Register Early

The deadline for registering without incurring increased general registration and education program fees is March 7, 2008. Registrations received after March 7, 2008, will not be processed and will need to be handled on-site beginning Saturday, April 12, 2008, at 8:00 a.m. at McCormick Place West.

Visit the Annual Meeting Online

Visit the AAN Annual Meeting website at www.aan.com/go/am to:
• Register for the Annual Meeting
• Make travel and hotel arrangements
• Search the Education Program
• Learn more about special events
• Submit abstracts
• Apply for awards

Upcoming Annual Meeting Dates

2009: Seattle, WA
April 25–May 2, 2009

2010: Toronto, ON, Canada
April 10–April 17, 2010

2011: Honolulu, HI
April 9–April 16, 2011

Register Early

The deadline for registering without incurring increased general registration and education program fees is March 7, 2008. Registrations received after March 7, 2008, will not be processed and will need to be handled on-site beginning Saturday, April 12, 2008, at 8:00 a.m. at McCormick Place West.

Visit the Annual Meeting Online

Visit the AAN Annual Meeting website at www.aan.com/go/am to:
• Register for the Annual Meeting
• Make travel and hotel arrangements
• Search the Education Program
• Learn more about special events
• Submit abstracts
• Apply for awards

Upcoming Annual Meeting Dates

2009: Seattle, WA
April 25–May 2, 2009

2010: Toronto, ON, Canada
April 10–April 17, 2010

2011: Honolulu, HI
April 9–April 16, 2011
Celebrating Six Decades of Progress in Neurology

“For the past 60 years, the Academy has advanced the science, teaching, and practice of neurology throughout the US and across the globe. Since 1948, the AAN has strived to provide its members with premier scientific inquiry through the journal Neurology®, exceptional Annual Meeting presentations, and a curriculum that has set the standard for continuing medical education. Now more than 20,000 members strong, we are celebrating our grand achievements, and look ahead as we continue our efforts to provide the best possible care for neurology patients in the decades to come. Please join us in Chicago for this landmark Annual Meeting!”

—Stephen M. Sergay, MB BCh, FAAN, AAN President

2009 Annual Meeting in Seattle

The AAN invites you to submit an education program suggestion or single lecture idea for the 61st Annual Meeting, April 25 through May 2, 2009, in Seattle. Proposals for new programs are due by May 2, 2008. Submit a proposal via the Annual Meeting Website at www.aan.com/go/am.

For questions or more information on the Annual Meeting Education Program, contact Kelly Piatt at kpiatt@aan.com or (612) 695-2709.
Make a Date for these Exciting Programs

Featured 2008 Annual Meeting Events

Continuation of Additional Poster Sessions
Based on the success of last year’s midday poster sessions, the Academy will once again offer additional poster sessions exhibiting premier scientific research. A total of eight poster sessions will take place over three days, from April 15–17. See page 6 for details.

Integrated Neuroscience Programs
Six sessions that offer an expansive look at autism, new methods in imaging, tropical neurology, genetics of epilepsy, mitochondria in diseases, and stroke imaging and emerging therapies. See page 6 for details.

Resident Basic Science
The three-year basic science curriculum launched at last year’s Annual Meeting is returning to help neurology residents prepare for the Neurology Resident Review Committee, Part I of the Neurology Boards, and the Residency In-service Training Examination (RITE). Programs available in 2008 are anatomy and neurophysiology. See page 18 for details.

60th Anniversary Party: Neurobowl®, Second City Comedy Troupe, Neuro Idol, Neuro Theater, and Music of the Decades
Each registered meeting attendee will receive one free ticket to the 60th Anniversary Party events. Guest tickets may be purchased for $50.00 each. See page 26 for details.

EHR Chart Challenge
Six electronic health record (EHR) vendors will demonstrate a typical, neurology-specific scenario, allowing the audience to make their own product comparisons. See page 66 for details.

Coding Lunches
Expanded 2008 topics are dementia, cerebrovascular disease, neuromuscular disease, movement disorders, epilepsy, child neurology, and headache. See pages 37, 54, 55, and 98 for details.

Future of Neuroscience Conference: Neural Repair
The Future of Neuroscience Conference returns with another fascinating exploration of the latest studies and clinical applications in therapies for neural repair, led by a faculty of distinguished experts. See page 97 for details.
Continuing medical education (CME) is one of the most important and highly valued member services provided by the American Academy of Neurology (AAN). The Annual Meeting is the AAN’s premier CME event that is recognized throughout the international neurological community for the quality of its Education and Scientific Programs and many networking opportunities.

The AAN benefits from its partnership with corporate sponsors who provide financial support for a variety of Annual Meeting events and programs. The AAN recognizes members’ concerns regarding industry involvement in the Annual Meeting and the potential for commercial bias, overt or otherwise. The AAN annually reviews and revises its guidelines that govern industry participation to ensure that they are appropriate, comprehensive, and unambiguous. The AAN’s zero-tolerance policy for any real or perceived commercial bias in any AAN educational or scientific programs or materials is the fundamental, unwavering principle that guides its interactions with industry. AAN guidelines state:

It is the AAN’s policy to avoid even the appearance of a conflict of interest between the AAN and industry.

The AAN’s Annual Meeting policies and processes are based on, and closely follow, guidelines established by the Accreditation Council for Continuing Medical Education, American Medical Association, and the US Food and Drug Administration.

Programs at the Annual Meeting are developed and implemented by the AAN’s Education Committee, Science Committee, their respective subcommittees, and AAN staff, under the direction of the Board of Directors. Industry has absolutely no role in selecting program topics, faculty and directors, or in planning program content. Any indication of industry influence or promotion on slides or computer-based presentations is prohibited, and any use of product brand names should be avoided. All speakers must disclose, in writing, any actual or perceived relationships with industry that they personally have, regardless of whether these relate to a specific presentation or not. These disclosures are published in Neurology® and AAN Annual Meeting publications. Industry and presenters are required to sign letters of agreement explicitly stating that they understand and will adhere to the AAN guidelines. The AAN Foundation sponsors a Corporate Roundtable, comprised of representatives from both the AAN and its industry partners, which promotes awareness of, and compliance with, the AAN’s policies governing industry participation in the Annual Meeting and other activities.

The great majority of the AAN’s industry partners and presenters abide by the AAN guidelines, but occasional infractions do occur. Although most of these are minor, the AAN’s zero-tolerance policy specifies sanctions for those who violate its guidelines. In addition, the AAN has revised all educational and scientific evaluation forms to provide attendees with an opportunity to report any perceived commercial bias. Although the Meeting Management Committee deals with infractions and perceptions of bias in a rigorous and impartial manner, the Committee frequently seeks input from the AAN’s Ethics, Law, and Humanities Committee on these issues.

The AAN greatly values its partnership with industry. However, the AAN cannot and will not compromise the independence and credibility of its programs through relationships with corporate sponsors. Appropriate guidelines and input from attendees are essential components of managing these relationships so that the AAN maintains its integrity as a professional organization and the confidence of the medical profession. Questions related to these issues may be addressed to Timothy A. Pedley, MD, FAAN, Chairman, Meeting Management Committee.

Timothy A. Pedley, MD, FAAN
Chairman, Meeting Management Committee

Stefan M. Pulst, MD, FAAN
Chair, Science Committee
Chair, Scientific Program Subcommittee

Ralph F. Józefowicz, MD, FAAN
Chair, Education Committee
Chair, Annual Meeting Subcommittee
Come celebrate six decades of progress in neurology with your Academy friends and colleagues at the 60th Anniversary party. Enjoy live entertainment, an incredible buffet of Chicago favorites, and more.

**Silent Auction**  
8:00 p.m.–10:30 p.m.  
Bid on exciting items and help raise support for research in neurology. Prizes include fine art, wines, event tickets, electronics, and more.

**Silent Auction**  
8:00 p.m.–10:30 p.m.  
Bid on exciting items and help raise support for research in neurology. Prizes include fine art, wines, event tickets, electronics, and more.

**Second City Comedy Troupe**  
8:30 p.m.–10:30 p.m.  
This comedy troupe makes its Annual Meeting debut! Laugh out loud at this two-hour show tailored for neurology. Second City alumni include: John Belushi, Dan Aykroyd, Gilda Radner, Bill Murray, John Candy, Mike Myers, Tina Fey, Steve Carell, and Stephen Colbert.

**Music of the Decades**  
8:00 p.m.–11:00 p.m.  
An extravaganza spanning 6 decades of popular tunes. Swing dance to the classics, twist to the oldies, or do the hustle to some all-time favorites.

**Neuro Idol**  
8:00 p.m.–10:00 p.m.  
Come see your fellow neurologists take the spotlight and showcase their musical talents, live on stage in this cabaret-style show.

**Neuro Theater**  
8:00 p.m.–10:30 p.m.  
Theater buffs won’t want to miss these two short plays dramatizing neurologic disorders. Originally appeared off-Broadway in 2006 in the first-ever theater festival devoted to neurology.

**Neuro Theater**  
8:00 p.m.–10:30 p.m.  
Theater buffs won’t want to miss these two short plays dramatizing neurologic disorders. Originally appeared off-Broadway in 2006 in the first-ever theater festival devoted to neurology.

**Neurobowl®**  
6:00 p.m.–8:00 p.m.  
AAN Past President Thomas R. Swift, MD, FAAN, hosts another year of competition by the best and brightest in neurology for the enviable Neurobowl title.
<table>
<thead>
<tr>
<th>Time</th>
<th>SATURDAY APRIL 12</th>
<th>SUNDAY APRIL 13</th>
<th>MONDAY APRIL 14</th>
<th>TUESDAY APRIL 15</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 a.m.</td>
<td>Breakfast Seminars</td>
<td>Breakfast Seminars</td>
<td>Breakfast Seminars</td>
<td>Breakfast Seminars</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>Breakfast Seminars</td>
<td>Breakfast Seminars</td>
<td>Breakfast Seminars</td>
<td>Breakfast Seminars</td>
</tr>
<tr>
<td>9:00 a.m.</td>
<td>Medical Education Programs</td>
<td>Kick-Off Programs</td>
<td>P.M. Half-Day Courses</td>
<td>Corporate Therapeutic Updates</td>
</tr>
<tr>
<td>10:00 a.m.</td>
<td>Clerkship and Program Directors’ Conference</td>
<td>Basic Science Resident Program</td>
<td>A.M. Half-Day Courses</td>
<td>NINDS Clinical Research Collaboration</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>Basic Science Resident Program</td>
<td>Skills Workshop</td>
<td>P.M. Half-Day Courses</td>
<td>Poster Session I</td>
</tr>
<tr>
<td>12:00 p.m.</td>
<td>Full-Day Course</td>
<td>Patient Safety Colloquium</td>
<td>A.M. Half-Day Courses</td>
<td>Poster Session II</td>
</tr>
<tr>
<td>1:00 p.m.</td>
<td>Skills Workshop</td>
<td>Pricing Colloquium</td>
<td>Full-Day Course</td>
<td>Lunch Seminars</td>
</tr>
<tr>
<td>2:00 p.m.</td>
<td>Coding Lunches</td>
<td>Coding Lunches</td>
<td>Lunch Seminar</td>
<td>Seminars</td>
</tr>
<tr>
<td>3:00 p.m.</td>
<td>Skills Workshop</td>
<td>Coding Lunches</td>
<td>Skills Workshop</td>
<td>Seminars</td>
</tr>
<tr>
<td>4:00 p.m.</td>
<td>Full-Day Course</td>
<td>Coding Lunches</td>
<td>Lunches</td>
<td>Seminars</td>
</tr>
<tr>
<td>5:00 p.m.</td>
<td>Skills Workshop</td>
<td>Coding Lunches</td>
<td>Lunches</td>
<td>Seminars</td>
</tr>
<tr>
<td>6:00 p.m.</td>
<td>Full-Day Course</td>
<td>Coding Lunches</td>
<td>Lunches</td>
<td>Seminars</td>
</tr>
<tr>
<td>7:00 p.m.</td>
<td>A.M. Half-Day Courses</td>
<td>A.M. Half-Day Courses</td>
<td>A.M. Half-Day Courses</td>
<td>Poster Session III</td>
</tr>
<tr>
<td>8:00 p.m.</td>
<td>Poster Session III</td>
<td>Poster Session III</td>
<td>Poster Session III</td>
<td>Run/Walk for Research</td>
</tr>
<tr>
<td>9:00 p.m.</td>
<td>Poster Session III</td>
<td>Poster Session III</td>
<td>Poster Session III</td>
<td>Seminar</td>
</tr>
<tr>
<td>10:00 p.m.</td>
<td>Poster Session III</td>
<td>Poster Session III</td>
<td>Poster Session III</td>
<td>Lunch Seminars</td>
</tr>
</tbody>
</table>

*Programs and dates of presentation are subject to change.*
“The Science Program for the 2008 Annual Meeting offers a wide range of specialized, in-depth programs for both scientists and clinicians. The Integrated Neuroscience sessions offer several half-day programs focusing on six areas of neurology: tropical neurology, new methods in imaging, autism, genetics of epilepsy, stroke imaging and emerging therapies, and mitochondria in diseases. This year’s Future of Neuroscience Conference highlights neural repair through a full-day program featuring presentations from expert faculty and poster presentations. The Science Committee has designed these programs to be at the cutting edge of clinical care and translational neuroscience.”

— Stefan M. Pulst, MD, FAAN,
Chair, Science Committee
Chair, Scientific Program Subcommittee

Continuation of Additional Poster Sessions

Based on the success of last year’s midday poster sessions, the Academy will once again offer additional poster sessions exhibiting premier scientific research. A total of eight poster sessions will take place over three days, from April 15–17.

Integrated Neuroscience Session

Sunday, April 13–Friday, April 18
1:00 p.m.–6:00 p.m. (Varies by day)
Provides in-depth subspecialty concentration around a topic using a combination of presentations, such as scientific sessions, case studies, short poster talks, discussions, invited lecturers, and poster sessions.

• Tropical Neurology
• New Methods in Imaging
• Autism
• Genetics of Epilepsy
• Stroke Imaging and Emerging Therapies
• Mitochondria in Diseases

Future of Neuroscience Conference: Neural Repair

Friday, April 18, 9:00 a.m.–5:00 p.m.
This interactive day-long program focuses on neural repair. The program will feature poster sessions, platform presentations, a series of case vignettes, a panel discussion, and several invited lecturers discussing new developments in the field. The presenters will combine high-level science with practical clinical application. Registration is required. Attendees may register to attend the Future of Neuroscience Conference only. This fee includes Thursday and Friday Scientific events. Medical Students and PhD Candidates may attend at no charge but MUST register.
The 2008 Scientific Program covers the spectrum of neurology—from updates on the latest diagnostic and treatment techniques to prevention strategies. Stay up-to-date on breakthrough research with more than 1,600 poster and platform presentations.

**Sunday, April 13**

2:00 p.m.–6:00 p.m.  
- Tropical Neurology Integrated Neuroscience Session

**Monday, April 14**

2:00 p.m.–6:00 p.m.  
- New Methods in Imaging Integrated Neuroscience Session

**Tuesday, April 15**

7:00 a.m.–10:00 a.m.  
- Poster Session I
9:00 a.m.–12:00 p.m.  
- Presidential Plenary Session
11:30 a.m.–2:30 p.m.  
- Poster Session II
1:00 p.m.–5:00 p.m.  
- Autism Integrated Neuroscience Session
2:00 p.m.–3:30 p.m.  
- Aging and Dementia  
- Anterior Horn  
- Cerebrovascular Disease  
- Epilepsy  
- Movement Disorders  
- Multiple Sclerosis  
- Neuroepidemiology
3:45 p.m.–5:00 p.m.  
- Aging and Dementia  
- Anterior Horn  
- Autonomic Disorders  
- Cerebrovascular Disease  
- Epilepsy  
- Movement Disorders  
- Multiple Sclerosis  
- Muscle Disease/Neuromuscular Junction
4:00 p.m.–7:30 p.m.  
- Poster Session III
5:15 p.m.–6:15 p.m.  
- Hot Topics Plenary Session

**Wednesday, April 16**

7:00 a.m.–10:00 a.m.  
- Poster Session IV
9:00 a.m.–12:00 p.m.  
- Contemporary Clinical Issues and Case Studies Plenary Session
2:00 p.m.–3:30 p.m.  
- Aging and Dementia  
- Cerebrovascular Disease  
- Epilepsy  
- Movement Disorders  
- Multiple Sclerosis  
- Neuroepidemiology
2:00 p.m.–6:00 p.m.  
- Genetics of Epilepsy Integrated Neuroscience Session
3:45 p.m.–5:00 p.m.  
- Aging and Dementia  
- Anterior Horn  
- Cerebrovascular Disease  
- Epilepsy  
- Headache  
- Movement Disorders  
- Multiple Sclerosis  
- Muscle Disease/Neuromuscular Junction
4:00 p.m.–7:00 p.m.  
- Poster Session V

**Thursday, April 17**

7:00 a.m.–10:00 a.m.  
- Poster Session VI
9:00 a.m.–11:00 a.m.  
- Frontiers in Clinical Neuroscience Plenary Session
11:30 a.m.–2:30 p.m.  
- Poster Session VII
1:30 p.m.–3:30 p.m.  
- Aging and Dementia  
- Cerebrovascular Disease  
- Headache  
- Movement Disorders  
- Multiple Sclerosis

**Friday, April 18**

9:00 a.m.–5:00 p.m.  
- Future of Neuroscience Conference: Neural Repair (Registration Required)
1:00 p.m.–5:00 p.m.  
- Mitochondria in Diseases Integrated Neuroscience Session
5:15 p.m.–6:15 p.m.  
- Scientific Program Highlights Plenary Session

**Other topics to be included in the program:**
- Behavioral Neurology
- Clinical Neuropathology
- Critical Care
- Ethics/Pain and Palliative Care
- History of Neurology
- Infections/AIDS/Prion Disease
- Neural Repair and Rehabilitation
- Neurological Manifestations of Systemic Disease

*Tentative—Final schedule available February 2008*
Education Program: Topic-Focused Curriculum

The Annual Meeting Education Program—both continuing programs and new offerings—comprise a core curriculum in neurology. The curriculum was developed with the expert opinions of the AAN Education Committee and the Annual Meeting Subcommittee and influenced by the American Board of Psychiatry and Neurology (ABPN) neurology recertification examination content outline.

This model for the Education Program identifies each program by topic within the description and will assist you when planning your meeting schedule. Programs are also identified by the core competencies covered. Individual lectures will be identified by the core competencies covered in the syllabus this year.

This year, we continued our expanded review and selection process of education programs. Input was solicited from sections, general practitioners, and a variety of committees to review, evaluate, and propose the program for 2008.

“The 2008 Annual Meeting promises to bring more educational opportunities than ever before. The Education Program has expanded to more than 180 programs led by directors and faculty who are experts in more than 20 general and specialty topics. Choose from a variety of educational opportunities to suit your needs: full-day and half-day courses; breakfast, luncheon, dinner, and after-dinner seminars; workshops; kick-off, case-study, therapy program; and coding lunches. The 2008 program has been refined through attendee and program director feedback. When you arrive in Chicago, you can look forward to attending a robust, comprehensive curriculum that will further your professional development and indeed make you a better prepared practitioner.”

—Ralph F. Józefowicz, MD, FAAN, Chair, Education Committee and Annual Meeting Subcommittee

Maintenance of Certification

To assist physicians with Maintenance of Certification (MOC) requirements, all AAN Annual Meeting education programs have been approved as part of a comprehensive lifelong learning program, which is mandated by the American Board of Medical Specialties as a necessary component of Maintenance of Certification.

ABPN MOC Informational Session—Save the Date

Monday, April 14, 3:30 p.m.–4:30 p.m.

There are big changes taking place at the ABPN in terms of recertification and MOC, of which all neurologists need to be aware. In response to the changes and the need to inform AAN members, the ABPN is offering an MOC Informational Session at the AAN Annual Meeting. This will be an interactive opportunity for AAN members to meet with ABPN representatives and learn about MOC and the changes with recertification. This informational session is free and open to all meeting registrants.

Core Competencies

The ABPN defines core competencies as those skills and abilities that are central to, or at the core of, a given field. In a medical society, core competencies represent what physician specialists should be able to do in order to be considered competent in their field. The ABPN, along with the American Board of Medical Specialties (ABMS) and the Accreditation Council for Graduate Medical Education (ACGME) has delineated the following core competencies for neurologists:

- Patient Care
- Medical Knowledge
- Interpersonal and Communication Skills
- Practice-Based Learning and Improvement
- Professionalism
- Systems-Based Practice

This year’s Annual Meeting CME offerings, at the program and lecture level, are identified according to these core competencies. Through identifying individual programs by competencies, attendees can:

- Easily identify and attend programs that meet each core competency
- Prepare for future MOC requirements
- Assess core competency requirements for neurology residency programs

It is hoped that this identification will also allow the AAN to evaluate the impact of the core competencies and provide feedback to the ABPN and ACGME.

For more information about Maintenance of Certification or core competencies, contact Susan Rodmyre, Associate Director, Education, at srodmyre@aan.com.
Every dollar you contribute will help us:

B ring attention to neurologic disease and research efforts
R espond to the shortage of young investigators in neurology
A id in the possible prevention of neurologic disease
I nvest in finding new treatments and cures
N ow take action for the future of neurology

The American Academy of Neurology Foundation needs your help to ensure that scientific discoveries in neurology make their way to patients. More than 50 million Americans currently living with a neurologic disease are affected by a shortage of researchers needed to find new cures and treatments. Your support will help address patient and caregiver needs, and provide the backbone for drug development and cost-effective studies needed to improve your patients’ lives.

- Make your donation for $5, $10, $15, or more to the Brain Fund using box I of the registration form on page 119.

- The “brains” will be sold at various locations around the Annual Meeting—stop by a booth and fill out a “brain” form with your name and someone you choose to honor

- All “brains” will be displayed in the McCormick Place West Convention Center

100% of donations will be used for research—for the prevention, treatment, and cure of neurologic disorders.
Comprehensive information about each educational program, including program director, faculty, description, recommended audience, and CME credit information, begins on page 19.

**Education Program Legend**

**First Digit = Day of Program**

1 Day One Saturday, April 12
2 Day Two Sunday, April 13
3 Day Three Monday, April 14
4 Day Four Tuesday, April 15
5 Day Five Wednesday, April 16
6 Day Six Thursday, April 17
7 Day Seven Friday, April 18
8 Day Eight Saturday, April 19

**Letters = Type of Program**

AC Morning Half-Day Course
Didactic program begins at 9:00 a.m. and ends at 12:45 p.m. Refreshments will be served during the break.

AS After-Dinner Seminar
Interactive program begins at 7:30 p.m. and ends at 10:30 p.m. Desserts, light snacks, wine, beer, and soda will be served.

BS Breakfast Seminar
Interactive program begins at 6:45 a.m. and ends at 8:30 a.m. Breakfast will be served at the start of the program. Participants are encouraged to arrive early.

CL Coding Lunch
Program begins at 12:00 p.m. and ends at 1:00 p.m. Topic specific coding issues will be discussed. Lunch will be served.

CS Case Studies Program
Program begins at 7:00 p.m. and ends at 10:00 p.m. Desserts, light snacks, wine, beer, and soda will be served.

DS Dinner Seminars
Interactive program begins at 6:00 p.m. and ends at 9:00 p.m. on Sunday, April 13, and begins at 6:30 p.m. and ends at 9:30 p.m. on Monday, April 14. Dinner will be served at the beginning of the program. Participants are encouraged to arrive early.

EC Colloquium
Didactic programs offered as morning or afternoon half-day programs. Free to all registered attendees.

EP Clerkship and Program Directors Conference
Interactive program offered only on Saturday, April 12. Program begins at 9:00 a.m. and ends at 4:00 p.m.

FC Full-Day Course
Didactic program begins at 9:00 a.m. and ends at 5:00 p.m. Refreshments will be served during the morning and afternoon breaks. Lunch will not be served.

KP Kick-Off Program
Interactive program offered only on Saturday, April 12. Programs begin at 6:00 p.m. and end at 8:00 p.m. A light snack will be served.

LS Luncheon Seminar
Interactive program begins at 12:00 p.m. and ends at 1:30 p.m. Lunch will be served.

PC Afternoon Half-Day Course
Didactic program begins at 2:15 p.m. and ends at 6:00 p.m. Refreshments will be served during the break. Note: Friday afternoon half-day courses begin at 1:15 p.m. and end at 5:00 p.m. to allow time to attend the Scientific Program Highlights Plenary Session.

PW Afternoon Skills Workshop
Hands-on, interactive program begins at 1:30 p.m. and ends at 6:00 p.m. Available to physicians only.

SC Science Conference
Interactive program offered only on Friday, April 18. Program begins at 9:00 a.m. and ends at 5:00 p.m. Lunch will be served.

SW Skills Workshop
Hands-on, interactive program begins at 9:00 a.m. and ends at 6:00 p.m. Lunch will be served. Available to physicians only.

TP Therapy Program
Two-hour didactic program begins at 7:00 p.m. and ends at 9:00 p.m. Desserts, light snacks, and beverages will be served.

Note: All programs have limited enrollment. Register early to ensure your selection.
Saturday, April 12, 2008

A.M. Half-Day Course
9:00 a.m.–12:45 p.m.
IAC.001 Resident Basic Science I: Anatomy .......................... 19

Education Directors Program
9:00 a.m.–4:00 p.m.
IEP.001 Clerkship and Program Directors Conference: Research and Technology ................................. 19

Full-Day Course
9:00 a.m.–5:00 p.m.
IFC.001 The Practice of Neurology: Issues in Coding and Reimbursement.......................... 20

P.M. Half-Day Courses
2:15 p.m.–6:00 p.m.
IPC.001 Resident Basic Science II: Physiology .................................. 20
IPC.002 Using AAN Guidelines and Best Current Evidence in Daily Practice: Neurocritical Care ......................... 20

Colloquium
3:30 p.m.–5:30 p.m.
IEC.001 Practice Colloquium: Health Care at a Crossroads: A Perspective on the Current Climate and How the 2008 Elections Will Impact Neurologists.......................... 21

Kick-Off Programs
6:00 p.m.–8:00 p.m.
IKP.001 Epilepsy Update .......................................................... 21
IKP.002 Movement Disorders Emergencies: Adults and Children....................................................... 22
IKP.003 Biological Rhythms and Neurologic Disease .............................................................. 22
IKP.004 Assessment of Rapidly Progressive Dementias and Related Neurologic Conditions ..................... 23
IKP.005 Is It or Is It Not Multiple Sclerosis? .............................................................................. 23
IKP.006 Diagnosis and Management of Motor Neuron Disease: Spinal Muscular Atrophy ................. 23
IKP.007 Practice Survival for Neurologists: Business Strategies for Success ......................................... 24
IKP.008 Top 10 Neuro-ophthalmic Diagnoses You Can’t Afford to Miss ............................................. 24
IKP.009 Acute Stroke Management .......................................................... 25

Sunday, April 13, 2008

Breakfast Seminars
6:45 a.m.–8:30 a.m.
2BS.001 Can I Drive? Can I Fly? ................................................. 27
2BS.002 Improving Accuracy of Dementia Diagnosis: Case Studies with Neuropathology ..................... 27
2BS.003 Canalith Repositioning for Benign Paroxysmal Positional Vertigo ..................................... 27
2BS.004 Approach to Acute CNS Infections ........................................................................ 28
2BS.005 Creativity and Neurologic Disease ........................................................................... 28
2BS.006 Critical Care Epilepsy/EEG ............................................................................. 29
2BS.007 How to Successfully Write a Career Development Grant ....................................................... 29
2BS.008 A Clinician’s Guide to Myoclonus ........................................................................ 29

Colloquium
9:00 a.m.–12:00 p.m.

A.M. Half-Day Courses
9:00 a.m.–12:45 p.m.
2AC.001 Structure Function Correlations in Behavioral Neurology ..................................................... 30
2AC.002 Neurologic Complications of Cancer ........................................................................ 31
2AC.003 Neurology of Sleep .................................................................................. 31
2AC.004 Painful Pain Patients .................................................................................. 32
2AC.005 Making Sure Your Electronic Health Record System Is a Success ......................... 32

Full-Day Courses
9:00 a.m.–5:00 p.m.
2FC.001 Neurology Update .......................................................... 32
2FC.002 Cerebrovascular Disease ............................................................ 33
2FC.003 Peripheral Neuropathy ............................................................... 34
2FC.004 Dementia Update ................................................................. 34
2FC.005 Clinical Research Methods ......................................................... 35
2FC.006 Update in Neuroimaging: Essentials and Beyond—Part I .................................................. 35
2FC.007 Neuro-ophthalmology ................................................................. 36

Skills Workshop
9:00 a.m.–6:00 p.m.
2SW.001 EMG Skills Workshop: Basic ................................................ 36

Coding Lunches
12:00 p.m.–1:00 p.m.
2CL.001 Coding Lunch: Dementia .......................................................... 37
2CL.002 Coding Lunch: Cerebrovascular Disease ............................................................... 37
2CL.003 Coding Lunch: Neuromuscular Disease ............................................................... 38

Integrated Neuroscience Session
Tropical Neurology
2:00 p.m.–6:00 p.m.

Colloquium
2:15 p.m.–6:00 p.m.
2EC.002 BRAINS Colloquium: The BRAINS Behind our Business .................................................. 38

P.M. Half-Day Courses
2:15 p.m.–6:00 p.m.
2PC.001 Update in Childhood Headache .......................................................... 38
2PC.002 Hot Topics in Multiple Sclerosis: Current Controversies and Consensus .......................... 39
2PC.003 Critical Care of Brain Hemorrhage ........................................................................... 39
2PC.004 Doctor, What Is Wrong with Me? Explaining the Neuroscience of Disease to Your Patient .................................................................................. 40
2PC.005 Deep Brain Stimulation .................................................................................. 40

Dinner Seminars
6:00 p.m.–9:00 p.m.
2DS.001 Mitochondrial Disorders in Neurology ........................................................................ 40
2DS.002 Intractable Epilepsy: What to Do When Nothing Works .................................................. 41
2DS.003 Ten Sequelae of Brain Trauma That You Can and Should Address ..................................... 41
2DS.004 Management of Common Behavioral Disturbances in Dementia ...................................... 42
2DS.005 Scientific Basis of Neurologic Infections ........................................................................ 42
2DS.006 You Want to Biopsy My What? .......................................................................... 42
2DS.007 Challenging Pain Cases in Neurology Practice .................................................................. 43
2DS.008 Top 10 Pitfalls in the Diagnosis of Parkinson’s Disease .................................................. 44

AAN 60th Anniversary Party
6:00 p.m.–11:00 p.m.
Neurobowl®
6:00 p.m.–8:00 p.m.
Second City Comedy Troupe
8:30 p.m.–10:30 p.m.
Neuro Idol
8:00 p.m.–10:00 p.m.
Neuro Theater
8:00 p.m.–10:30 p.m.
Music of the Decades
8:00 p.m.–11:00 p.m.
Silent Auction
8:00 p.m.–10:30 p.m.
Monday, April 14, 2008

Breakfast Seminars
6:45 a.m.–8:30 a.m.
3BS.001  Dementia Evaluation in the Office .................................................. 46
3BS.002  Special Considerations in Women’s Epilepsy ................................. 46
3BS.003  Global Health Challenges: Neurology in Developing Countries ....... 46
3BS.004  Important Drug Interactions for Neurologists and Psychiatrists ..... 47
3BS.005  Perioperative Stroke: A Practical Approach to Risk Stratification and Modification During the Preoperative Evaluation .................. 47
3BS.006  Attention Deficit Hyperactivity Disorder Across the Lifespan: A Primer for the Neurologist .................................................. 48
3BS.007  Cervical Artery Dissection ................................................................. 48
3BS.008  Small Fiber Neuropathies: Somatic, Autonomic, or a Mixture of Both ................................................................. 48

Colloquium
9:00 a.m.–12:00 p.m.
3EC.001  Education Colloquium: Lifelong Education .................................... 49

A.M. Half-Day Courses
9:00 a.m.–12:45 p.m.
3AC.001  Update in Neuroimaging: Essentials and Beyond—Part II .......... 49
3AC.002  Clinical Approach to Muscle Disease ............................................. 50
3AC.003  Neuro-ophthalmology Update ......................................................... 50
3AC.004  Stroke in Young Adults ................................................................. 51
3AC.005  Emergency Neurology ................................................................. 51

Full-Day Courses
9:00 a.m.–5:00 p.m.
3FC.001  Update on Multiple Sclerosis .......................................................... 51
3FC.002  Clinical Epilepsy ........................................................................... 52
3FC.003  Therapy in Neurology .................................................................. 52
3FC.004  Genetics in Neurology .................................................................. 53
3FC.005  Movement Disorders .................................................................... 53
3FC.006  Borderlands of Neurology and Internal Medicine ......................... 54

Skills Workshop
9:00 a.m.–6:00 p.m.
3SW.001  Advanced Techniques in EMG and Neuromuscular Disease ...... 54

Kenneth M. Viste, Jr., MD, Neurology Public Policy Fellowship
Information Session
12:00 p.m.–1:00 p.m.

Coding Lunches
12:00 p.m.–1:00 p.m.
3CL.001  Coding Lunch: Movement Disorders .............................................. 54
3CL.002  Coding Lunch: Epilepsy ................................................................. 55

Luncheon Seminar
12:00 p.m.–1:30 p.m.
3LS.001  Electronic Health Records: Great Tools to Enhance Practice ....... 55

Integrated Neuroscience Session
New Methods in Imaging
2:00 p.m.–6:00 p.m.

P.M. Half-Day Courses
2:15 p.m.–6:00 p.m.
3PC.001  Primer of Cognitive Neurology ..................................................... 56
3PC.002  Traumatic Spinal Cord Injury .......................................................... 56
3PC.003  Neurologic Consultations in the ICU .............................................. 57
3PC.004  Non-Alzheimer’s Dementia ............................................................. 57
3PC.005  Neuromuscular Junction Disorders ................................................ 57

Guidelines, Practice, and Advocacy Open House
3:00 p.m.–5:30 p.m.

Student Interest Group in Neurology (SIGN) Meeting
4:00 p.m.–6:30 p.m.

ABPN Resident Informational Session
5:00 p.m.–6:30 p.m.

Exhibit Hall Opening Reception
5:00 p.m.–7:00 p.m.

Residents and Fellows Career Forum and Reception
6:30 p.m.–9:00 p.m.

Tuesday, April 15, 2008

60th Anniversary Run/Walk for Research
6:30 a.m.–8:30 a.m.

Breakfast Seminars
6:45 a.m.–8:30 a.m.
4BS.001  Introduction to the Evaluation and Therapy of Restless Legs Syndrome and Periodic Limb Movements in Sleep ............................................ 68
4BS.002  Advances in the Care of Brain Injury After Resuscitation from Cardiac Arrest ................................................................. 68
4BS.003  Ethical Dilemmas in the ICU ............................................................ 68
4BS.004  Incorporate Practice Guidelines and Patient Safety Measures into Your Stroke Practice ................................................................. 69

Palatucci Advocacy Action Planning Roundtable
7:00 a.m.–9:30 a.m.

Poster Session I
7:00 a.m.–10:00 a.m.

Presidential Plenary Session
9:00 a.m.–12:00 p.m.

AAN Business meeting
(Immediately follows the last lecture of the Presidential Plenary Session)

Poster Session II
11:30 a.m.–2:30 p.m.

Exhibits
11:30 a.m.–5:00 p.m.
Lunch
12:00 p.m.–2:00 p.m.
### Luncheon Seminars
12:00 p.m.–1:30 p.m.
- **4LS.001** E/M: Minimize Mistakes, Maximize Reimbursement .......................... 69
- **4LS.002** Telemedicine Increases Options for Successful Stroke Treatment: Nuts and Bolts ......................................................... 70

### Level I Certification for the NINDS Clinical Research Collaboration
1:00 p.m.–3:00 p.m.

### EHR Chart Challenge
1:00 p.m.–4:00 p.m.

### Integrated Neuroscience Session
1:00 p.m.–5:00 p.m.

### Scientific Platform Sessions*
2:00 p.m.–3:30 p.m.
- Aging and Dementia
- Anterior Horn
- Cerebrovascular Disease
- Epilepsy
- Movement Disorders
- Multiple Sclerosis
- Neuroepidemiology

### P.M. Half-Day Course
2:15 p.m.–6:00 p.m.
- **4PC.001** Spine Neuroimaging: Clinical-Radiologic Correlation .......................... 70
- **4PC.002** Video-EEG Monitoring in the Neurologic Practice: Tools, Techniques, and Applications ..................................................... 70
- **4PC.003** Ethical Controversies in Neurologic Practice ........................................... 71
- **4PC.004** Menopausal/Andropausal Neurology ....................................................... 71
- **4PC.005** Psychiatry for the Neurologist ............................................................... 72

### Scientific Platform Sessions*
3:45 p.m.–5:00 p.m.
- Aging and Dementia
- Peripheral Nerve
- Cerebrovascular Disease
- Epilepsy
- Headache
- Movement Disorders
- Multiple Sclerosis
- Muscle Disease/Neuromuscular Junction

### Poster Session III
4:00 p.m.–7:30 p.m.

### Hot Topics Plenary Session
5:15 p.m.–6:15 p.m.

### Corporate Therapeutic Updates
7:30 p.m.–10:00 p.m.

### Wednesday, April 16, 2008

#### Breakfast Seminars
6:45 a.m.–8:30 a.m.
- **5BS.001** Clinical Grant Writing ............................................................... 74
- **5BS.002** Nystagmus: An Organized Approach .............................................. 74
- **5BS.003** The Neurolology of Social Behavior ............................................... 74
- **5BS.004** Recognition and Management of the Many Types of Status Epilepticus .......................................................... 74
- **5BS.005** Editor’s Seminar: Tips for Writing and Reviewing in Neurology® .............. 75

#### Luncheon Seminar
12:00 p.m.–1:30 p.m.
- **5LS.001** How to Be Sure Your Patient Education Is Educating Patients ........................... 75

#### Poster Session IV
7:00 a.m.–10:00 a.m.

#### Contemporary Clinical Issues and Case Studies Plenary Session
9:00 a.m.–12:00 p.m.

#### Exhibits
11:30 a.m.–5:00 p.m.

#### Lunch
12:00 p.m.–2:00 p.m.

#### American Academy of Neurology and American Academy of Neurology Foundation Awards Luncheon
12:00 p.m.–1:30 p.m.

#### Scientific Platform Sessions*
2:00 p.m.–3:30 p.m.
- Aging and Dementia
- Cerebrovascular Disease
- Epilepsy
- Movement Disorders
- Multiple Sclerosis
- Neuroepidemiology

#### Integrated Neuroscience Session
Genetics of Epilepsy
2:00 p.m.–6:00 p.m.

#### P.M. Half-Day Courses
2:15 p.m.–6:00 p.m.
- **5PC.001** Localization in Clinical Neurology ..................................................... 76
- **5PC.002** What’s in a Name? A History of Neurology from the Perspective of Eponyms ............ 76
- **5PC.003** Myelopathies ............................................................... 77
- **5PC.004** Neurologic Complications of Medical Disease ................................. 77
- **5PC.005** Neuro-otology ............................................................... 78

#### Scientific Platform Sessions*
3:45 p.m.–5:00 p.m.
- Aging and Dementia
- Anterior Horn
- Autonomic Disorders
- Cerebrovascular Disease
- Epilepsy
- Movement Disorders
- Multiple Sclerosis
- Muscle Disease/Neuromuscular Junction

#### Poster Session V
4:00 p.m.–7:00 p.m.

#### Controversial Issues in Practice
5:00 p.m.–7:00 p.m.

#### Case Study Programs
7:00 p.m.–10:00 p.m.
- **5CS.001** Unusual Movement Disorders ..................................................... 78
- **5CS.002** Multiple Sclerosis Case Studies ..................................................... 78
- **5CS.003** Case Studies in Dementia ............................................................... 79
- **5CS.004** Case Studies in Stroke ............................................................... 79

*Tentative—Final Schedule available February 2008
Thursday, April 17, 2008

Breakfast Seminars
6:45 a.m.–8:30 a.m.

6BS.001 Neonatal Seizures: An Update ................................. 81
6BS.002 Case Studies: Clinical Ethics, Professionalism, and Evidence-Based Care of Patients with Severe Life-Limiting Neurologic Disease ............................. 81
6BS.003 Diagnosing Spells in Older Adults .................................. 82
6BS.004 Bedside Neuro-ophthalmology Exam: How to Do It and What It Means ......................................................... 82

Poster Session VI
7:00 a.m.–10:00 a.m.

Frontiers in Clinical Neuroscience Plenary Session
9:00 a.m.–11:00 a.m.

Poster Session VII
11:30 a.m.–2:30 p.m.

Exhibits
11:30 a.m.–4:00 p.m.
Lunch
12:00 p.m.–2:00 p.m.

Scientific Platform Sessions*
1:30 p.m.–3:30 p.m.
• Aging and Dementia
• Cerebrovascular Disease
• Headache
• Movement Disorders
• Multiple Sclerosis

Integrated Neuroscience Session
Stroke Imaging and Emerging Therapies
2:00 p.m.–6:00 p.m.

P.M. Half-Day Courses
2:15 p.m.–6:00 p.m.

6PC.001 Spine Disorders ................................................. 82
6PC.002 Neurologic Disorders of Women’s Issues .......................... 83
6PC.003 Evaluation and Management of Autonomic Disorders ............. 83
6PC.004 Practical Legal Issues for Neurologists .............................. 84

Scientific Platform Sessions*
3:45 p.m.–5:00 p.m.
• Aging and Dementia
• Anterior Horn
• Cerebrovascular Disease
• Epilepsy
• Headache
• Movement Disorders
• Multiple Sclerosis
• Muscle Disease/Neuromuscular Junction

Poster Session VIII
4:00 p.m.–7:00 p.m.

Scientific Topic Highlights Program
6:00 p.m.–8:00 p.m.

Therapy Programs
7:00 p.m.–9:00 p.m.

6TP.001 Stroke Therapy ................................................. 84
6TP.002 Multiple Sclerosis Therapy ....................................... 85
6TP.003 Epilepsy Therapy ................................................ 85

Case Study Programs
7:00 p.m.–10:00 p.m.

6CS.001 Unusual Diagnostic and Management Cases in Neuromuscular Disease .................................................. 85
6CS.002 Now You See It, Now You Know It: Pathognomonic Neuro-ophthalmology .................................................. 86
6CS.003 Sleep Medicine Cases for the Neurologist ........................ 86
6CS.004 Case Studies in Neurogenetics .................................... 87

Friday, April 18, 2008

Breakfast Seminars
6:45 a.m.–8:30 a.m.

7BS.001 Common and Important Ophthalmoscopic Findings .............. 89
7BS.002 Pediatric Epilepsy and Nonepileptic Events: Case-Based Discussions .......................................................... 89
7BS.003 Acute Disseminated Encephalomyelitis ................................ 89
7BS.004 Unruptured Intracranial Aneurysms and Intracranial Vascular Malformations: What a Practicing Neurologist Needs to Know .................. 90
7BS.005 Basic Metabolic Disorders .......................................... 90
7BS.006 Archival Neurologic Films ........................................... 91
7BS.007 Neuroplasticity and Stroke Recovery: Theory and Clinical Practice .......................................................... 91
7BS.008 Balance and Gait Disorders ........................................ 92

A.M. Half-Day Courses
9:00 a.m.–12:45 p.m.

7AC.001 Stroke Prevention in 2008 ........................................ 92
7AC.002 Genetic Testing in Clinical Neurology ............................... 92
7AC.003 Neuro-crossfire ................................................... 93
7AC.004 Clinical ENG I .................................................... 93
7AC.005 Botulinum Toxins: Practical Issues and Clinical Uses for Neurologists .................................................. 94

Full-Day Courses
9:00 a.m.–5:00 p.m.

7FC.001 Neurology Update II ............................................. 94
7FC.002 Child Neurology .................................................. 95
7FC.003 Infections of the Nervous System ................................... 95
7FC.004 Clinical EEG ...................................................... 96
7FC.005 Neurologic Intensive Care ......................................... 96
7FC.006 Headaches in Adults ............................................... 97

Neuroscience Conference
9:00 a.m.–5:00 p.m.

7SC.001 Future of Neuroscience Conference: Neural Repair ............... 97

Coding Lunches
12:00 p.m.–1:00 p.m.

7CL.001 Coding Lunch: Child Neurology ................................... 98
7CL.002 Coding Lunch: Headache .......................................... 98

Luncheon Seminars
12:00 p.m.–1:30 p.m.

7LS.001 Coding CPT for Neurodiagnostics ................................ 98
7LS.002 Bedside Evidence-Based Medicine: Deconstructing Articles to Take Care of Patients ......................................... 99

Integrated Neuroscience Session
Mitochondria in Diseases
1:00 p.m.–5:00 p.m.
P.M. Skills Workshop
1:30 p.m.–6:00 p.m.
7PW.001  Clinical Usefulness of Botulinum Toxin and Treatment of Dystonia. .......................... 99

P.M. Half-Day Courses
1:15 p.m.–5:00 p.m.
7PC.001  Emergency Department Neuro-ophthalmology ......................... 100
7PC.002  Women’s Issues in Cerebrovascular Diseases .......................... 100
7PC.003  Parkinson’s Disease and Movement Disorders Update ................. 100
7PC.004  Clinical EMG II ................................................................. 101
7PC.005  Neuromyelitis Optica: Scientific and Clinical Update ................ 101

Scientific Program Highlights Plenary Session
5:15 p.m.–6:15 p.m.

Therapy Programs
7:00 p.m.–9:00 p.m.
7TP.001  Headache Therapy .......................................................... 102
7TP.002  Movement Disorders Therapy ........................................ 102
7TP.003  Neuromuscular Therapy .................................................. 103

Saturday, April 19, 2008

Breakfast Seminars
6:45 a.m.–8:30 a.m.
8BS.001  EEG in Children and Adolescents:
        Common Pitfalls, Classic Syndromes, and Identification of Surgical Candidates .................. 104
8BS.002  Differential Diagnosis of Dementia:
        Improvements in Detection Techniques .......................................... 104
8BS.003  Rapid Quantitation in EMG:
        Learning Accurate and Efficient Motor Unit Potential Analysis ............. 104
8BS.004  Hyperkinetic Movement Disorders: Diagnosis and Treatment . . . . 105
8BS.005  Autoimmune Antibody Testing in Neuropathy:
        Indications for the Practicing Neurologist ........................................ 105
8BS.006  Update on Ataxias .............................................................. 106
8BS.007  Neuropathic Pain:
        Diagnostic Strategies and Treatment Controversies ..................... 106

A.M. Half-Day Courses
9:00 a.m.–12:45 p.m.
8AC.001  Behavioral Neurology: Contemporary Topics: Language ................ 107
8AC.002  Update on Endovascular Treatment of Cerebrovascular Diseases .... 107
8AC.003  Debates in Headache .......................................................... 108
8AC.004  Eye Movement Disorders, Nystagmus, and Diplopia .................. 108
8AC.005  Diagnosis and Management of Movement Disorders in Children . . 108
8AC.006  Cognitive Rehabilitation of Brain Disorders ................................ 109
8AC.007  Therapeutic Poisoning:
        Immunosuppressive Therapy for Non-neoplastic Neurologic Disease .... 109
8AC.008  Diagnosis and Treatment of Traumatic Brain Injury ................. 110

*Tentative—Final Schedule available February 2008
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infectious Disease</td>
<td></td>
</tr>
<tr>
<td>Approach to Acute CNS Infections</td>
<td>28</td>
</tr>
<tr>
<td>2SC.005 Scientific Basis of Neurologic Infections</td>
<td>42</td>
</tr>
<tr>
<td>7FC.003 Infections of the Nervous System</td>
<td>95</td>
</tr>
<tr>
<td>Movement Disorders</td>
<td></td>
</tr>
<tr>
<td>1KP.002 Movement Disorders Emergencies: Adults and Children</td>
<td>22</td>
</tr>
<tr>
<td>2BS.008 A Clinician’s Guide to Myoclonus</td>
<td>29</td>
</tr>
<tr>
<td>2PC.005 Deep Brain Stimulation</td>
<td>40</td>
</tr>
<tr>
<td>2DS.008 Top 10 Pitfalls in the Diagnosis of Parkinson’s Disease</td>
<td>44</td>
</tr>
<tr>
<td>3FC.005 Movement Disorders</td>
<td>53</td>
</tr>
<tr>
<td>3CL.001 Coding Lunch: Movement Disorders</td>
<td>54</td>
</tr>
<tr>
<td>3AS.006 Hallucinations and Psychosis in Parkinson’s Disease: Pathophysiology and Practical Management</td>
<td>64</td>
</tr>
<tr>
<td>4BS.001 Introduction to the Evaluation and Therapy of Restless Legs Syndrome and Periodic Limb Movements in Sleep</td>
<td>68</td>
</tr>
<tr>
<td>5CS.001 Unusual Movement Disorders</td>
<td>78</td>
</tr>
<tr>
<td>7BS.008 Balance and Gait Disorders</td>
<td>92</td>
</tr>
<tr>
<td>7AC.005 Botulinum Toxins: Practical Issues and Clinical Uses for Neurologists</td>
<td>94</td>
</tr>
<tr>
<td>7PW.001 Clinical Usefulness of Botulinum Toxin and Treatment of Dystonia</td>
<td>99</td>
</tr>
<tr>
<td>7PC.003 Parkinson’s Disease and Movement Disorders Update</td>
<td>100</td>
</tr>
<tr>
<td>7TP.002 Movement Disorders Therapy</td>
<td>102</td>
</tr>
<tr>
<td>8BS.004 Hyperkinetic Movement Disorders: Diagnosis and Treatment</td>
<td>105</td>
</tr>
<tr>
<td>8BS.006 Update on Ataxias</td>
<td>106</td>
</tr>
<tr>
<td>8AC.005 Diagnosis and Management of Movement Disorders in Children</td>
<td>108</td>
</tr>
<tr>
<td>Neurogenetics/Neurometabolic Disorders/Neurotoxicology</td>
<td></td>
</tr>
<tr>
<td>1KP.003 Biological Rhythms and Neurologic Disease</td>
<td>22</td>
</tr>
<tr>
<td>2DS.001 Mitochondrial Disorders in Neurology</td>
<td>40</td>
</tr>
<tr>
<td>3BS.004 Important Drug Interactions for Neurologists and Psychiatrists</td>
<td>47</td>
</tr>
<tr>
<td>3FC.004 Genetics in Neurology</td>
<td>53</td>
</tr>
<tr>
<td>3AS.004 Heavy Metals and Neurology</td>
<td>63</td>
</tr>
<tr>
<td>6CS.004 Case Studies in Neurometabolism</td>
<td>87</td>
</tr>
<tr>
<td>7BS.005 Basic Metabolic Disorders</td>
<td>90</td>
</tr>
<tr>
<td>7AC.002 Genetic Testing in Clinical Neurology</td>
<td>92</td>
</tr>
<tr>
<td>Neuromuscular Disease/Clinical Neurophysiology (EMG)</td>
<td></td>
</tr>
<tr>
<td>1KP.006 Diagnosis and Management of Motor Neuron Disease: Spinal Muscular Atrophy</td>
<td>23</td>
</tr>
<tr>
<td>2FC.003 Peripheral Neuropathy</td>
<td>34</td>
</tr>
<tr>
<td>2SW.001 EMG Skills Workshop: Basic</td>
<td>36</td>
</tr>
<tr>
<td>2CL.003 Coding Lunch: Neuromuscular Disease</td>
<td>38</td>
</tr>
<tr>
<td>3BS.008 Small Fiber Neuropathies: Somatic, Autonomic, or a Mixture of Both</td>
<td>48</td>
</tr>
<tr>
<td>3AC.002 Clinical Approach to Muscle Disease</td>
<td>50</td>
</tr>
<tr>
<td>3SW.001 Advanced Techniques in EMG and Neuromuscular Disease</td>
<td>54</td>
</tr>
<tr>
<td>3PC.005 Neuromuscular Junction Disorders</td>
<td>57</td>
</tr>
<tr>
<td>3AS.008 How to Test the Autonomic Nervous System</td>
<td>65</td>
</tr>
<tr>
<td>6PC.003 Evaluation and Management of Autonomic Disorders</td>
<td>83</td>
</tr>
<tr>
<td>6CS.001 Unusual Diagnostic and Management Cases in Neuromuscular Disease</td>
<td>85</td>
</tr>
<tr>
<td>7AC.004 Clinical EMG I</td>
<td>93</td>
</tr>
<tr>
<td>7PC.004 Clinical EMG II</td>
<td>101</td>
</tr>
<tr>
<td>7TP.003 Neuromuscular Therapy</td>
<td>102</td>
</tr>
<tr>
<td>8BS.003 Rapid Quantitation in EMG: Learning Accurate and Efficient Motor Unit Potential Analysis</td>
<td>104</td>
</tr>
<tr>
<td>8BS.005 Autimmune Antibody Testing in Neuropathy: Indications for the Practicing Neurologist</td>
<td>105</td>
</tr>
<tr>
<td>Neuro-ophthalmology/Neuro-otology</td>
<td></td>
</tr>
<tr>
<td>1KP.008 Top 10 Neuro-ophthalmic Diagnoses You Can’t Afford to Miss</td>
<td>24</td>
</tr>
<tr>
<td>2BS.003 Canalith Repositioning for Benign Paroxysmal Positional Vertigo</td>
<td>27</td>
</tr>
<tr>
<td>2FC.007 Neuro-ophthalmology</td>
<td>36</td>
</tr>
<tr>
<td>3DS.008 What’s New in Giant Cell Arteritis?</td>
<td>61</td>
</tr>
<tr>
<td>5BS.002 Nystagmus: An Organized Approach</td>
<td>74</td>
</tr>
<tr>
<td>5PC.005 Neuro-otology</td>
<td>78</td>
</tr>
<tr>
<td>6BS.004 Bedside Neuro-ophthalmology Exam: How to Do It and What It Means</td>
<td>82</td>
</tr>
<tr>
<td>6CS.002 Now You See It, Now You Know It: Pathognomonic Neuro-ophthalmic Disorders</td>
<td>86</td>
</tr>
<tr>
<td>7BS.001 Common and Important Ophthalmoscopic Findings</td>
<td>89</td>
</tr>
<tr>
<td>7PC.001 Emergency Department: Neuro-ophthalmology</td>
<td>100</td>
</tr>
<tr>
<td>8AC.004 Eye Movement Disorders, Nystagmus, and Diplopia</td>
<td>108</td>
</tr>
<tr>
<td>Neurorehabilitation</td>
<td></td>
</tr>
<tr>
<td>2DS.003 Ten Sequence of Brain Trauma That You Can and Should Address</td>
<td>41</td>
</tr>
<tr>
<td>3PC.002 Traumatic Spinal Cord Injury</td>
<td>56</td>
</tr>
<tr>
<td>3AS.002 Brain Computer Interfaces: Frontiers in Neurology and Neuroscience</td>
<td>62</td>
</tr>
<tr>
<td>7SC.001 Future of Neuroscience Conference: Neural Repair</td>
<td>97</td>
</tr>
<tr>
<td>8AC.006 Cognitive Rehabilitation of Brain Disorders</td>
<td>109</td>
</tr>
<tr>
<td>Practice</td>
<td></td>
</tr>
<tr>
<td>1FC.001 The Practice of Neurology: Issues in Coding and Reimbursement</td>
<td>20</td>
</tr>
<tr>
<td>1PC.002 Using AAN Guidelines and Best Current Evidence in Daily Practice: Neurocritical Care</td>
<td>20</td>
</tr>
<tr>
<td>1EC.001 Practice Colloquium: Health Care at a Crossroads: A Perspective on the Current Climate and How the 2008 Elections Will Impact Neurologists</td>
<td>21</td>
</tr>
<tr>
<td>1KP.007 Practice Survival for Neurologists: Business Strategies for Success</td>
<td>24</td>
</tr>
<tr>
<td>2AC.005 Making Sure Your Electronic Health Record System Is a Success</td>
<td>32</td>
</tr>
<tr>
<td>2CL.001 Coding Lunch: Dementia</td>
<td>37</td>
</tr>
<tr>
<td>2CL.002 Coding Lunch: Cerebrovascular Disease</td>
<td>37</td>
</tr>
<tr>
<td>2CL.003 Coding Lunch: Neuromuscular Disease</td>
<td>38</td>
</tr>
<tr>
<td>2EC.002 BRAINS Colloquium: The BRAINS Behind our Business</td>
<td>38</td>
</tr>
<tr>
<td>3BS.001 Dementia Evaluation in the Office</td>
<td>46</td>
</tr>
<tr>
<td>3CL.001 Coding Lunch: Movement Disorders</td>
<td>54</td>
</tr>
<tr>
<td>3CL.002 Coding Lunch: Epilepsy</td>
<td>55</td>
</tr>
<tr>
<td>3LS.001 Electronic Health Records: Great Tools to Enhance Practice</td>
<td>55</td>
</tr>
<tr>
<td>4BS.004 Incorporate Practice Guidelines and Patient Safety Measures into Your Stroke Practice</td>
<td>69</td>
</tr>
<tr>
<td>4LS.002 Telemedicine Increases Options for Successful Stroke Treatment: Nuts and Bolts</td>
<td>70</td>
</tr>
<tr>
<td>Research/Education</td>
<td></td>
</tr>
<tr>
<td>1EP.001 Clerkship and Program Directors Conference: Research and Technology</td>
<td>19</td>
</tr>
<tr>
<td>1AC.001 Resident Basic Science I: Anatomy</td>
<td>19</td>
</tr>
<tr>
<td>1PC.001 Resident Basic Science II: Physiology</td>
<td>20</td>
</tr>
<tr>
<td>2BS.007 How to Successfully Write a Career Development Grant</td>
<td>29</td>
</tr>
<tr>
<td>2PC.005 Clinical Research Methods</td>
<td>35</td>
</tr>
<tr>
<td>3EC.001 Education Colloquium: Lifelong Education</td>
<td>49</td>
</tr>
<tr>
<td>5BS.001 Clinical Grant Writing</td>
<td>74</td>
</tr>
<tr>
<td>5BS.005 Editor’s Seminar: Tips for Writing and Reviewing in Neurology</td>
<td>75</td>
</tr>
<tr>
<td>Sleep Disorders</td>
<td></td>
</tr>
<tr>
<td>2AC.003 Neurology of Sleep</td>
<td>31</td>
</tr>
<tr>
<td>3DS.002 The Interface of Sleep and Neurologic Disorders</td>
<td>58</td>
</tr>
<tr>
<td>4BS.001 Introduction to the Evaluation and Therapy of Restless Legs Syndrome and Periodic Limb Movements in Sleep</td>
<td>68</td>
</tr>
<tr>
<td>6CS.003 Sleep Medicine Cases for the Neurologist</td>
<td>87</td>
</tr>
<tr>
<td>Spinal Cord/Nerve Root Disorders</td>
<td></td>
</tr>
<tr>
<td>3PC.002 Traumatic Spinal Cord Injury</td>
<td>56</td>
</tr>
<tr>
<td>3DS.005 Intraoperative Neuropathological Monitoring: Spinal Cord and Nerve Root Monitoring</td>
<td>59</td>
</tr>
<tr>
<td>3DS.007 Neuroimaging Practicum: Acute Stroke, Spine, and Difficult Cases</td>
<td>60</td>
</tr>
<tr>
<td>3AS.002 Brain Computer Interfaces: Frontiers in Neurology and Neuroscience</td>
<td>62</td>
</tr>
<tr>
<td>4PC.001 Spine Neuroimaging: Clinical-Radiologic Correlation</td>
<td>70</td>
</tr>
<tr>
<td>5PC.003 Myelopathies</td>
<td>76</td>
</tr>
<tr>
<td>6PC.001 Spine Disorders</td>
<td>82</td>
</tr>
<tr>
<td>7SC.001 Future of Neuroscience Conference: Neural Repair</td>
<td>97</td>
</tr>
<tr>
<td>Women’s Issues</td>
<td></td>
</tr>
<tr>
<td>3BS.002 Special Considerations in Women’s Epilepsy</td>
<td>46</td>
</tr>
<tr>
<td>4PC.004 Menopausal/Andropausal Neurology</td>
<td>71</td>
</tr>
<tr>
<td>6PC.002 Neurologic Disorders of Women’s Issues</td>
<td>83</td>
</tr>
<tr>
<td>7PC.002 Women’s Issues in Cerebrovascular Diseases</td>
<td>100</td>
</tr>
</tbody>
</table>
2008 AAN Clerkship and Program Directors Conference: Research and Technology
9:00 a.m.–4:00 p.m.
Experts in use of web-based technology will provide an overview of different aspects of curriculum development and implementation, as well as highlight important aspects of development of these curricula as it pertains to neurological education. Leaders in neurology education research will discuss ways for educators to study and measure educational outcomes following the implementation of any curriculum change. Possible funding sources will be identified and their role in educational research will also be stressed.

Upon completion, participants should be able to describe the role technology can play in development of curriculum at both undergraduate and post-graduate level in the field of neurology. They will also be able to describe potential avenues of educational research as it pertains to medical technology especially with web-based curriculum. An “Educational Tools” segment provides participants an opportunity to share the tools and works in progress from their home institutions. Participants will earn five hours of CME credit. Core Competencies covered include: Interpersonal and Communication Skills, Medical Knowledge, Practice-Based Learning and Improvement, Professionalism, and System Based Practice. This conference is endorsed by the Association for University Professors of Neurology (AUPN).

Basic Science Resident Curriculum
9:00 a.m.–12:45 p.m.
2:15 p.m.–6:00 p.m.
The resident neuroscience initiative is a three-year basic science curriculum for neurology residents offered at the Annual Meeting. The curriculum is primarily intended to help neurology residents learn the basic sciences on which clinical neurology is founded, as detailed in the Neurology Residency Review Committee (RRC) program requirements for residency education in neurology. Topics that will be covered over the three-year cycle include neuroanatomy, neurophysiology, neuropharmacology, neuropathology, neural development, neuropsychology, neuroimaging, and molecular biology and genetics. This curriculum will also help residents prepare for the AAN Residency In-service Training Examination (RITE). This year’s program topics include:

IAC.001 Resident Basic Science I: Anatomy
IPC.001 Resident Basic Science II: Physiology

Registration is required.

Practice Colloquium: “Health Care at a Crossroads: A Perspective on the Current Climate and How the 2008 Elections Will Impact Neurologists”
3:30 p.m.–5:30 p.m.
With health care identified as the top domestic issue for the 2008 elections, don’t miss this opportunity to hear firsthand where the future of health care in the United States is heading. Nationally known speaker Morton Kondracke will discuss current issues facing the health care industry, and representatives from the presidential candidates will address how the candidates propose to overhaul the system. The colloquium will include time for questions. Free to all meeting registrants.

NEW!
Picking Up Your Syllabi is Now Easier than Ever!
Once you arrive on-site, you no longer have to wait in line to get your syllabi for Education Programs. All Education Program syllabi will be available 30 minutes prior to the start in the program’s room. Alternatively, an electronic version of the syllabi may be downloaded Friday, April 11. Instructions will be provided with registration confirmation.
### Education Directors Program: 9:00 a.m.–4:00 p.m.

**IEP.001**

**Topic:** Research/Education  
**Core Competencies:** Interpersonal and Communication Skills, Medical Knowledge, Practice-Based Learning and Improvement, Professionalism, Systems-Based Practice

**Clerkship and Program Directors Conference: Research and Technology**

**CME Credits:** 5.0  
**Director:** Imran Ali, MD, Toledo, OH

**Program Description:**  
Technological advances have an important role to play in medical education and research. Experts in the use of web-based technology will provide an overview of different aspects of curriculum development and implementation. Faculty will also highlight important aspects of development of these curricula as they pertain to neurologic education. Leaders in neurologic education research will discuss ways for educators to study and measure educational outcomes following the implementation of any curricular change. Possible funding sources will be identified and their role in education research will also be stressed.

The “Education Tools” segment, in which participants are given an opportunity to share the tools and works in progress from their home institutions, will once again be offered.

**Lecture/Faculty:**

- Role of Technology and Education Research in Curricular Development  
  Imran Ali, MD, Toledo, OH
- Educational Research Funding  
  Barney J. Stern, MD, FAAN, Baltimore, MD
- Funding for Education Research—NIH Perspective  
  Laurie Gutmann, MD, FAAN, Morgantown, WV
- Education Research—Measuring Educational Outcomes  
  Richard S. Isaacson, BA, MD, Miami, FL
- Using Web-Based Programs in Neurology to Assess Educational Outcomes  
  Colin H. Chalk, Montreal, QC, Canada
- Education Tools  
  Faculty
- Use of a Web-Based Program to Teach Epilepsy (Clerkship Directors)  
  Juan G. Ochoa, MD, Jacksonville, FL
- Measuring Educational Outcomes—ACGME Perspective  
  (Program Directors)  
  Pamela Derstine, PhD, Chicago, IL

**Recommended Audience:**  
Practitioners, Fellows, Residents, Academicians, Neurologists Who Teach Students, Residents, or Fellows

This program offers ADVANCED knowledge.

### A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

**IAC.001**

**Topic:** Research/Education  
**Core Competencies:** Medical Knowledge, Patient Care

**Resident Basic Science I: Anatomy**

**CME Credits:** 3.5  
**Director:** Eduardo E. Benarroch, MD, FAAN, Rochester, MN

**Program Description:**  
Important advances have been made in the elucidation of the functional anatomy of the cerebral cortex, hypothalamus, and brainstem oculomotor regions. This new information has clinical relevance in understanding the anatomic substrate of disorders of behavior, homeostasis, and oculomotor control. Through didactic lectures and a question and answer session, faculty will provide participants with updated information on the functional anatomy of the cerebral cortex, the hypothalamus and its connections, and the brainstem areas controlling eye movements.

This program complements IPC.001: Resident Basic Science II: Physiology. Additional resident basic science topics will be offered next year and will cover neural development, neuropsychology, neuroimaging, and molecular biology and genetics.

**Lecture/Faculty:**

- Anatomic Organization of the Cerebral Cortex, Hypothalamus, and Brainstem Oculomotor Control  
  Eduardo E. Benarroch, MD, FAAN, Rochester, MN  
  Bradley F. Boeve, MD, Rochester, MN

**Recommended Audience:**  
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.
Full-Day Course: 9:00 a.m.–5:00 p.m.

IFIC.001

**Topic:** Practice  
**Core Competency:** Systems-Based Practice

**The Practice of Neurology: Issues in Coding and Reimbursement**

**CME Credits:** 6.5  
**Director:** Bruce Sigsbee, MD, FAAN, Rockport, ME

**Program Description:**  
A basic understanding of coding and practice management is fundamental to the clinical practice of medicine in any environment. Faculty will give a brief overview of practice management. The majority of the presentations represent detailed information unique to the practice of neurology, including diagnostic and procedure coding, E/M service coding, documentation standards, and practice finance. The material is updated each year.

**Upon Completion:**  
Participants should be able to understand the full spectrum of practice management; code neurologic E/M and procedures accurately; select appropriate diagnostic codes; be able to establish an appropriate practice financial analysis and monitoring system; and understand the billing process and benchmarks.

**Lecture/Faculty:**  
- **Introduction:** Overview of Practice Management  
  Bruce Sigsbee, MD, FAAN, Rockport, ME
- **CPT Coding for Patient Visits:** Levels of Services and Documentation for E/M  
  Marc R. Nuwer, MD, PhD, FAAN, Los Angeles, CA
- **ICD-9 Coding of Diagnostics**  
  Laura B. Powers, MD, FAAN, Nashville, TN
- **CPT Coding of Procedures Including New and Changed Codes for 2008**  
  Neil A. Busis, MD, FAAN, Pittsburgh, PA
- **Neurology Billing:** Techniques, Tricks, and Benchmarks  
  Orly Avitzur, MD, MBA, FAAN, Tarrytown, NY
- **Office Finance:** A Primer on Controlling, Analyzing, Modeling, and Benchmarking  
  Bruce Sigsbee, MD, FAAN, Rockport, ME

**Recommended Audience:**  
Practitioners, Fellows, Residents, Nurses, Academicians, Office Staff

This program offers BASIC and ADVANCED knowledge.

P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.

IFIC.001

**Topic:** Research/Education  
**Core Competency:** Medical Knowledge

**Resident Basic Science II: Physiology**

**CME Credits:** 3.5  
**Director:** Eduardo E. Benarroch, MD, FAAN, Rochester, MN

**Program Description:**  
Recent advances in the elucidation of vestibular, pain, and sleep physiology have provided the basis for a better understanding of the pathophysiology of these common neurologic disorders. Through didactic lectures and a question and answer session, faculty will provide participants with updated information on the physiology of the vestibular system, central and peripheral mechanisms of pain and analgesia, and organization of sleep control with emphasis on their pathophysiologic and clinical correlations.

This program complements 1AC.001: Resident Basic Science I: Anatomy. Additional resident basic science topics will be offered over the next year and will cover neurophysiology, genetics, and development.

**Upon Completion:**  
Participants should be familiar with the physiology of central and peripheral vestibular disorders, peripheral and central mechanisms of nociception and pain modulation, regulation of the sleep-wake cycle, and their respective pathophysiologic and clinical correlations.

**Lecture/Faculty:**  
- **Physiology of the Vestibular System, Pain, and Sleep**  
  Eduardo E. Benarroch, MD, FAAN, Rochester, MN  
  Bradley F. Boeve, MD, Rochester, MN  
  Scott D. Z. Eggers, MD, Rochester, MN

**Recommended Audience:**  
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.

IPC.002

**Topics:** Critical Care/Trauma; Practice  
**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Professionalism, Systems-Based Practice

**Using AAN Guidelines and Best Current Evidence in Daily Practice: Neurocritical Care**

**CME Credits:** 3.5  
**Director:** Janis Miyasaki, MD, FAAN, Toronto, Canada

**Program Description:**  
Evidence-based medicine provides analysis of the best evidence to direct patient care decisions. Faculty will introduce basic concepts in evidence-
based medicine, demystify clinically relevant statistics, and provide the latest updates on prognosis in coma and emergency seizure treatment.

**Upon Completion:**
Participants should be able to list the benefits and weaknesses of guidelines; increase familiarity with the guideline production process used by the AAN; incorporate evidence-based medicine into practice and education activities; list the prognostic factors for outcome in coma; and discuss the evidence for different imaging modalities in epilepsy.

**Lecture/Faculty:**
- Evidence-Based Medicine and Practice  
  Janis Miyasaki, MD, FAAN, Toronto, ON, Canada  
- Evidence-Based Medicine Basics  
  Gary S. Gronseth, MD, Kansas City, MO  
- Prognosis in Coma  
  G. Bryan Young, MD, FAAN, London, ON, Canada  
- Imaging for Seizures in the Emergency Department  
  Cynthia L. Harden, MD, New York, NY

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians, Individuals Involved in Government Policy or Third-Party Payer Decisions

This program offers BASIC and ADVANCED knowledge.

**Colloquium: 3:30 p.m.–5:30 p.m.**

**IEC.001**

**Topic:** Practice  
**Core Competencies:** Practice-Based Learning and Improvement, Systems-Based Practice

**Practice Colloquium: Health Care at a Crossroads: A Perspective on the Current Climate and How the 2008 Elections Will Impact Neurologists**

**CME Credits:** 3.0  
**Director:** Glen R. Finney, MD, Gainesville, FL

**Program Description:**
A nationally known speaker will discuss the crisis in health care, and representatives from the presidential candidates will address how the candidates propose to overhaul health care. The colloquium will include time for questions. With health care identified as the top domestic issue for the 2008 elections, don’t miss this opportunity to hear firsthand where the future of health care in the United States is heading. Free to all registered attendees. Registration not required.

**Upon Completion:**
Participants should become familiar with current issues in national health care policy, the stances of the Democratic and Republican Presidential front-runners on these issues, and the factors likely to impact the election and the implementation of change in national health policy.
Upon Completion:
Participants should learn the biological basis of tuberous sclerosis and the role of rapamycin in treatment of tuberous sclerosis, the rationale and logistics of video-EEG monitoring in ICU patients, the genetics of photosensitive seizures and preventive measures in susceptible individuals, and the chronobiology and electrocorticographic patterns of epileptiform activity that have been revealed by recordings obtained using chronic intracranial neurostimulators.

Lecture/Faculty:
• Genetic and Molecular Mechanism of Tuberous Sclerosis and the Role of Rapamycin in Its Treatment
  David N. Franz, MD, Cincinnati, OH
• ICU Video-EEG Monitoring: Should Your Hospital Have It and, If So, How to Get Started
  Marc R. Nuwer, MD, PhD, FAAN, Los Angeles, CA
• Photosensitive Seizures: How Much of a Risk?
  Robert S. Fisher, MD, PhD, FAAN, Stanford, CA
• Chronobiology and Electrocorticographic Patterns of Epileptiform Activity Revealed by Chronic Intracranial Neurostimulation
  Gregory L. Barkley, MD, Detroit, MI

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Kick-Off Program: 6:00 p.m.–8:00 p.m.
IKP.003
Topic: Neurogenetics/Neurometabolic Disorders/Neurotoxicology
Core Competencies: Medical Knowledge, Patient Care

BIOLOGICAL RHYTHMS AND NEUROLOGIC DISEASE
CME Credits: 2.0
Director: Mark S. Quigg, MD, Charlottesville, VA

Program Description:
Faculty will familiarize neurologists with the concepts of biological rhythms and their neuroanatomic and physiologic underpinnings; the clinical effects of cycles on neurologic disorders; the effects of neurologic disease on important biological rhythms, such as the ultradian rhythms (period less than 24 hours) of the pulsatile release of neuroendocrine hormones and the cycles of REM/NREM sleep, circadian rhythms such as the sleep-wake cycle and the circadian timing system, and infradian rhythms such as the lunar cycle of menstrual regulation or the seasonal rhythm of mood; and clinical approaches to management.

Upon Completion:
Participants should become familiar with the formal concepts of biological rhythms; how to recognize rhythmic neuroendocrine influences in epilepsy, migraine, and affective disorders; how to document and diagnose these disorders; and how to approach the clinical management of cyclic disorders and rhythmic exacerbations of chronic neurologic and neuropsychiatric disorders.

Lecture/Faculty:
• Basic Science and Clinical Research Findings Pertaining to the Definitions, Categories, Measurements, and Neuroanatomy of Important Biological Rhythms
  Mark S. Quigg, MD, Charlottesville, VA
• Clinical Effects of Biological Rhythms on Specific Neurologic Disorders Focusing on Epilepsy, Migraine, and Affective Disorders
  Andrew G. Herzog, MD, MSc, FAAN, Boston, MA

Recommended Audience:
Practitioners, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.
### Kick-Off Program: 6:00 p.m.–8:00 p.m.

<table>
<thead>
<tr>
<th><strong>IKP.004</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Topic:</strong></td>
<td>Aging/Dementia/Degenerative Disease</td>
</tr>
<tr>
<td><strong>Core Competencies:</strong></td>
<td>Medical Knowledge, Patient Care, Practice-Based Learning and Improvement</td>
</tr>
</tbody>
</table>

**Assessment of Rapidly Progressive Dementias and Related Neurologic Conditions**

**CME Credits:** 2.0  
**Director:** Michael D. Geschwind, MD, PhD, San Francisco, CA  
**Program Description:**  
Patients with rapidly progressive dementias (RPDs) or related neurologic conditions that develop over weeks to months require a different assessment approach than patients with slowly progressive dementias. RPDs present physicians with unique diagnostic challenges; an expedited evaluation is typically necessary since treatable conditions can be fatal or irreversible if not diagnosed quickly. Diagnostic algorithms for RPDs are not well established. Faculty will present an approach to the differential diagnosis of RPDs, including case presentations focusing on neurodegenerative, autoimmune, infectious, neoplastic, toxic/metabolic, and other conditions that need to be considered.

**Upon Completion:**  
Participants should be familiar with the differential diagnoses and workup of common and uncommon conditions that may present as RPDs, including Creutzfeldt-Jakob disease and its many imitators.

**Lecture/Faculty:**  
- Introduction, Overview, and Prion Disease  
  *Michael D. Geschwind, MD, PhD, San Francisco, CA*  
- Neurodegenerative Dementias  
  *Bradley F. Boeve, MD, Rochester, MN*  
- Autoimmune Conditions  
  *Steven Vernino, MD, PhD, FAAN, Dallas, TX*

**Recommended Audience:**  
Practitioners, Fellows, Residents, Academicians  

**Program Description:**  
Correct diagnosis is the first step to effective management, especially when a complex disease such as multiple sclerosis (MS) is suspected. Faculty will emphasize practical, clinically relevant approaches to the problem of suspected MS. During the first part of the program, faculty will explain the process of diagnosing MS. Application of new, validated guidelines for MS diagnosis such as the recent revisions to the International Panel on the Diagnosis of MS (McDonald criteria) will be presented, and other diagnostic approaches faculty have found to be useful will be discussed. During the second part of the program, faculty will review the specific diseases most often misdiagnosed as MS. They will identify the single most common error clinicians make and the three indicators that the patient does not have MS. Faculty will then review the seven diseases that account for most of the misdiagnoses and how to recognize them. A resource of 100 diseases that can mimic MS will also be provided.

**Lecture/Faculty:**  
- Multiple Sclerosis Diagnosis  
  *John O. Fleming, MD, Madison, WI*  
- The Differential Diagnosis of Multiple Sclerosis  
  *Loren A. Rolak, MD, FAAN, Marshfield, WI*

**Recommended Audience:**  
Practitioners, Fellows, Residents, Academicians  

**This program offers BASIC and ADVANCED knowledge.**

### Kick-Off Program: 6:00 p.m.–8:00 p.m.

<table>
<thead>
<tr>
<th><strong>IKP.005</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Topic:</strong></td>
<td>Demyelinating Disorders</td>
</tr>
<tr>
<td><strong>Core Competencies:</strong></td>
<td>Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice</td>
</tr>
</tbody>
</table>

**Is It or Is It Not Multiple Sclerosis?**

**CME Credits:** 2.0  
**Director:** Loren A. Rolak, MD, FAAN, Marshfield, WI  
**Program Description:**  
Spinal muscular atrophy (SMA) is a devastating motor neuron disease affecting infants, children, and adults. Until recently, very little could be done about this paralyzing disease. The discovery of the gene for SMA has changed much. Three top experts in the field will review our new understanding of the pathogenesis for and diagnostic approach to SMA. Comprehensive multidisciplinary management will be discussed because it has dramatically improved with aggressive supportive care and nutritional and respiratory
therapy. Clinical trials are a new development in SMA. Faculty will review not only the trials that are and will be available, but also important challenges that clinical trials present, such as organizing trial networks, choosing outcome measures, and study design. Faculty will present some case vignettes for discussion of complicated diagnosis and management.

Upon Completion:
Participants should be familiar with up-to-date knowledge of the disease entity of SMA and understand how to make a correct diagnosis; gain practical knowledge on how to manage patients with SMA in different age groups; and become familiar with the current state of SMA clinical trials.

Lecture/Faculty:
- Diagnosis and Management of Motor Neuron Disease: SMA
  Susan T. Iannaccone, MD, FAAN, Dallas, TX
  Petra Kaufmann, MD, New York, NY
  Hiroshi Mitsumoto, MD, FAAN, New York, NY

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

---

Kick-Off Program: 6:00 p.m.–8:00 p.m.

IKP.007

Topic: Practice

Core Competencies: Practice-Based Learning and Improvement, Systems-Based Practice

Practice Survival for Neurologists: Business Strategies for Success

CME Credits: 2.0

Director: Orly Avitzur, MD, MBA, FAAN, Tarrytown, NY

Program Description:
Neurology practices today are struggling for their survival. The economics of current-day health care makes it no longer possible for physicians to ignore the business side of medicine. Neurologists are caught in the ever-tightening squeeze between higher overhead and the shrinking reimbursements for cognitive specialists. A number of factors serve to reduce net income: fixed costs such as higher malpractice premiums and office expense; and lower payments per patient, increasing cost of compliance with government regulations and requirements, and insurance documentation. Many physicians find themselves in a vicious cycle of longer and less productive hours that result in palpable effects on physician and staff morale.

Running an efficient, productive practice is more important than ever. Whether you are in private practice, a large multispecialty group, or an academic setting, neurologists face daily business decisions that affect income, practice viability, and professional satisfaction. Although the financial aspects of medical practice seem tedious, unless neurologists become actively involved in management, they risk economic losses and even bankruptcy. Overlooking the true cost of services and procedures can result in financial drains to neurologic practice and unexpected losses.

Applying sound business principles to the practice of medicine can improve performance and increase the bottom line. Participants in this program will receive an overview of basic financial tools and be shown how to apply sound business strategies to practical business issues. Case studies will be used to illustrate methods.

Upon Completion:
Participants should be able to utilize benchmarking tools and ratios to effectively monitor their practices’ financial performance; know how to determine which payers are creating an administrative drain on their practices; effectively respond to claim denials; determine whether a new service will be cost-effective or lose money; evaluate the economics of outsourcing versus in-house services; utilize financial analysis to determine if technology and other capital investments will provide a return on investment; and consider successful ways to try new ideas without risking financial losses.

Lecture/Faculty:
- Using Business Principles to Evaluate Your Neurology Practice Needs
  Orly Avitzur, MD, MBA, FAAN, Tarrytown, NY
- Expanding Your Practice: A Good Idea or Disaster?
  Bruce Sigsbee, MD, FAAN, Rockport, ME

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians, Practice Managers, Administrators

This program offers BASIC and ADVANCED knowledge.

---

Kick-Off Program: 6:00 p.m.–8:00 p.m.

IKP.008

Topic: Neuro-ophthalmology/Neuro-otology

Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

Top 10 Neuro-ophthalmic Diagnoses You Can’t Afford to Miss

CME Credits: 2.0

Director: Eric R. Eggenberger, DO, FAAN, East Lansing, MI

Program Description:
Ten neuro-ophtalmic diseases will be presented in an audience participation-style lecture, with prizes for the best correct audience answers. The diagnoses are picked because they are relatively common and have a treatment window after which morbidity begins to increase, emphasizing the importance of making the correct diagnosis in a timely fashion. A syllabus that contains the answers and background information on the diagnoses will be provided after the lecture.

Upon Completion:
Participants should be able to diagnose key neuro-ophtalmic diseases in a timely fashion and manage the diseases effectively.
Lecture/Faculty:
• Discussion of Cases
  Wayne T. Cornblath, MD, FAAN, Ann Arbor, MI
  Eric R. Eggenberger, DO, FAAN, East Lansing, MI

Recommended Audience:
Practitioners, Fellows, Residents

This program offers BASIC and ADVANCED knowledge.

Kick-Off Program: 6:00 p.m.–8:00 p.m.

IKP.009
Topic: Cerebrovascular Disease
Core Competencies: Medical Knowledge, Patient Care, Practice-Based
Learning and Improvement, Systems-Based Practice

Acute Stroke Management
CME Credits: 2.0
Director: Jeffrey L. Saver, MD, FAAN, Los Angeles, CA

Program Description:
Advances in imaging and therapeutics have made acute stroke a highly
treatable neuro-emergency. Decisions made by neurologists within the first
few minutes after stroke onset will determine how patients will live the
rest of their lives. Faculty will review current approaches to neuroimaging
of the acute stroke patient, management of acute cerebral ischemia, and
management of acute intracerebral hemorrhage.

Upon Completion:
Participants should be familiar with emerging imaging strategies and state-
of-the-art medical and interventional management of acute ischemic and
hemorrhagic stroke.

Lecture/Faculty:
• Medical, Lytic, Neuroprotective, and Endovascular Therapy of Acute
  Ischemic Stroke
  Jeffrey L. Saver, MD, FAAN, Los Angeles, CA
• Emergent Treatment of Intracerebral Hemorrhage: The New Framework
  Joseph P. Broderick, MD, FAAN, Cincinnati, OH
• Primary and Secondary Stroke Centers: The Rubber Hits the Road
  Mark J. Alberts, MD, Chicago, IL

Recommended Audience:
Practitioners, Fellows, Residents, Nurses

This program offers BASIC and ADVANCED knowledge.
Patient Safety Colloquium
“Essential Patient Safety for the Neurologist—Does Your Practice Measure Up?”
9:00 a.m.–12:00 p.m.

Do you have a detector to monitor patient safety in your practice? Does it work? To find out, attend this year’s colloquium which examines the expanding role of measurement in neurology patient safety. Measurement is essential not only to monitor our efforts and document outcome improvement, but also to redirect future strategies aimed at improved patient safety and care in neurology. Information provided through this program can be linked to many of the core competencies and may be used to demonstrate participation in patient safety programming needed for licensure. Free to all meeting registrants. The program fulfills several core competencies needed for certification/maintenance of certification.

Scientific Program: Integrated Neuroscience:
Tropical Neurology
2:00 p.m.–6:00 p.m.

Provides in-depth subspecialty concentration around a topic using a combination of presentations, such as scientific sessions, case studies, short poster talks, discussions, invited lecturers, and poster sessions.

BRAINS Colloquium
The BRAINS Behind Our Business and Topics in Practice Management and Finance
2:15 p.m.–6:00 p.m.

The colloquium focuses on information for BRAINS (Business and Research Administrators in Neurology Society) members. Topics include additional revenue opportunities, billing compliance for academic and private practices, compensation models, and recruitment of physicians and allied health professionals. Free to all meeting registrants. The BRAINS business meeting follows the colloquium from 6:30 p.m. to 7:30 p.m.

AAN 60th Anniversary Party
McCormick Place West, Third Floor
Neurobowl®
6:00 p.m.–8:00 p.m.

There is no better way to begin the 60th Anniversary Annual Meeting than by attending Neurobowl. AAN Past President Thomas R. Swift, MD, FAAN, hosts another year of competition by the best and brightest in neurology for the enviable Neurobowl title. This popular quiz show focuses on the process of neurological diagnosis with common and rare neurologic case histories, video clips, investigations, and movie segments. Seating is limited and is available on a first-come, first-served basis.

Second City Comedy Troupe
8:30 p.m.–10:30 p.m.

Chicago comedy troupe Second City makes its Annual Meeting debut! Laugh out loud at this two-hour show tailored for neurology. Second City’s alumni have gone on to become stars of movies and television, and garner awards galore. Notable grads include: John Belushi, Dan Aykroyd, Gilda Radner, Bill Murray, John Candy, Mike Myers, Tina Fey, Steve Carell, and Stephen Colbert. This is sure to be a laugh riot—but seating is limited and is available on a first-come, first-served basis—so get there early!

Neuro Idol
8:00 p.m.–10:00 p.m.

Come see your fellow neurologists take the spotlight and showcase their musical talents. This year will be a cabaret-style show where you can celebrate the hidden musical talents of your colleagues. To sign up, or for more information, contact Kris Fridgen at kfridgen@aan.com or (651) 695-2726.

Neuro Theater
8:00 p.m.–10:30 p.m.

Theater buffs will enjoy this new highlight of the Opening Party—Neuro Theater, featuring two short plays dramatizing aphasia and Korsakov’s Syndrome. These works originally appeared off-Broadway in 2006 in the first-ever theater festival devoted to neurology. Each play runs for an hour with a brief intermission in between. Come and be moved by these entertaining and provocative works that encapsulate the essence of neurologic disorders and vividly convey the complex nature of the human nervous system. Seating is limited and available on a first-come, first-served basis.

Music of the Decades
8:00 p.m.–11:00 p.m.

There’s something for everyone this year with “Music of the Decades,” an extravaganza spanning six decades of popular tunes. Beginning at 8:00 p.m., each hour will highlight hits from every era—from the 40s to the present. Come swing dance to the classics, twist to the oldies, or do the hustle to some all-time favorites. The night begins with the greatest hits of the 40s and 50s, from 8:00 p.m. to 9:00 p.m.; the 60s and 70s, from 9:00 p.m. to 10:00 p.m.; and the 80s to the present from 10:00 p.m. to 11:00 p.m.

Dance Contest! Don’t miss the opportunity to show us what you’ve got! Register in one or all of the dance categories. Pull out your dancing shoes, pick your partner, and clear a space on the mantel for your trophy! Contact Judy Larson at jlarson@aan.com for more information and to register for the contest.

A professional DJ provides the tunes—you provide the dancing shoes!

Silent Auction
8:00 p.m.–10:30 p.m.

Bid on exciting items and help raise support for research in neurology. Prizes include fine art, vacation packages, wines, event tickets, electronics, and more. Proceeds go to fund clinical research training fellowships in neurology.
Breakfast Seminar: 6:45 a.m.–8:30 a.m.

2BS.001
Topics: Cognitive Neurology/Neurological Disorders Presenting with Psychiatric Symptoms; General Neurology/Neurology of Systemic Disease
Core Competencies: Interpersonal and Communication Skills, Medical Knowledge, Patient Care

Can I Drive? Can I Fly?
CME Credits: 1.5
Director: Joseph I. Sirven, MD, FAAN, Phoenix, AZ

Program Description:
The ability for people with neurologic diseases to drive is an important and difficult area for health care providers to manage. Flying poses similar challenges. The effects of epilepsy and neurodegenerative diseases will be discussed. Both typical and complex cases will be used as examples to highlight important issues regarding the safe operation of a motor vehicle. The principles highlighted in the program are intended to be used in day-to-day practice for both common and difficult cases. A current update on driving assessments will be presented. Audience participation will be encouraged, and a limited number of learner-provided cases may be reviewed. Please submit your cases for discussion by April 4, 2008, to the program director Joseph Sirven, MD, FAAN, at Sirven.Joseph@mayo.edu.

Upon Completion:
Participants should be able to discuss and understand the major issues related to motor vehicle operation for people with neurodegenerative diseases and epilepsy.

Lecture/Faculty:
- Neurodegenerative Disease and Driving
  Richard J. Caselli, MD, FAAN, Scottsdale, AZ
- Seizures, Epilepsy, and Driving
  Joseph F. Drazkowski, MD, Phoenix, AZ
- Driving Assessments
  Matthew Rizzo, MD, FAAN, Iowa City, IA
- Neurologic Disorders and Flying
  Joseph I. Sirven, MD, FAAN, Phoenix, AZ

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians, Physician’s Assistants, Nurse Practitioners

This program offers BASIC and ADVANCED knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

2BS.002
Topic: Aging/Dementia/Degenerative Disease
Core Competencies: Medical Knowledge, Practice-Based Learning and Improvement

Improving Accuracy of Dementia Diagnosis: Case Studies with Neuropathology
CME Credits: 1.5
Director: Norman L. Foster, MD, FAAN, Salt Lake City, UT

Program Description:
Faculty will lead an interactive discussion of clinical scenarios in patients with dementia who have received FDG-PET imaging and have neuropathologic diagnoses. Participants will be able to test their clinical acumen against results of molecular imaging and detailed neuropathology. Faculty will use cases to illustrate diagnostic pearls and pitfalls. Tabulation of audience votes on case diagnoses will stimulate discussion.

Upon Completion:
Participants should become more confident and accurate in the clinical diagnosis of dementing diseases, know when and how to use molecular imaging as part of a dementia evaluation, and be able to apply consensus diagnostic criteria for dementing disorders to individuals and real-life clinical circumstances.

Lecture/Faculty:
- Introduction and Process
  Norman L. Foster, MD, FAAN, Salt Lake City, UT
- Clinical Application of FDG-PET Imaging
  Norman L. Foster, MD, FAAN, Salt Lake City, UT
- Clinical Diagnostic Criteria
  Edward Y. Zamrini, MD, Salt Lake City, UT
- Pathologic Diagnostic Criteria
  James B. Leverenz, MD, Seattle, WA
- Case Scenarios
  Faculty

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

2BS.003
Topic: Neuro-opthalmology/Neuro-otology
Core Competencies: Medical Knowledge, Patient Care

Canalith Repositioning for Benign Paroxysmal Positional Vertigo
CME Credits: 1.5
Director: Timothy C. Hain, MD, Chicago, IL
Program Description:
Benign paroxysmal positional vertigo (BPPV) is the most common cause of vertigo. Recent availability of video eye movement monitors has facilitated diagnosis, while recent improvements in understanding have facilitated treatment. Using videos of eye movements, the faculty will illustrate diagnosis of BPPV involving the posterior canal, horizontal canal, and anterior canal. The physical maneuver favored by the faculty will be illustrated in detail, and available evidence concerning efficacy will be reviewed.

Upon Completion:
Participants should be capable of office-based diagnosis and treatment of positional vertigo.

Lecture/Faculty:
- Canalith Repositioning for Benign Paroxysmal Positional Vertigo
  Timothy C. Hain, MD, Chicago, IL
  Janet Helminski, PhD, Chicago, IL

Recommended Audience:
Practitioners

This program offers BASIC and ADVANCED knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

2BS.004
Topic: Infectious Disease
Core Competencies: Medical Knowledge, Patient Care

Approach to Acute CNS Infections
CME Credits: 1.5
Director: John E. Greenlee, MD, FAAN, Salt Lake City, UT

Program Description:
CNS infections are often neurologic emergencies in which prompt diagnosis and treatment may mean the difference between recovery and death or profound disability. Faculty will emphasize their rationale and approach to major infectious syndromes seen in clinical practice, using both examples and case-based discussion. Topics to be covered include initial evaluation, suggested diagnostic testing, and initiation of treatment.

Upon Completion:
Participants should gain skill in diagnosing and initiating treatment in meningitis, encephalitis, space-occupying CNS infections, and neurocysticercosis.

Lecture/Faculty:
- Introduction and Outline of Course Objectives
  John E. Greenlee, MD, FAAN, Salt Lake City, UT

• Meningitis and Encephalitis
  Karen L. Roos, MD, FAAN, Indianapolis, IN
• Space-Occupying Infections and Neurocysticercosis
  John E. Greenlee, MD, FAAN, Salt Lake City, UT

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

2BS.005
Topic: Cognitive Neurology/Neurological Disorders Presenting with Psychiatric Symptoms
Core Competency: Medical Knowledge

Creativity and Neurologic Disease
CME Credits: 1.5
Director: Kenneth M. Heilman, MD, FAAN, Gainesville, FL

Program Description:
One of humankind’s greatest gifts is the ability to be creative. Creative endeavors alter our lives and bring us much joy. The brain mechanisms that are responsible for creativity are not entirely known, but we are learning that some diseases of the brain can enhance creativity and others reduce creativity. The purpose of this program is to define creativity, discuss some of the possible brain mechanisms that might account for creativity, and describe how diseases of the brain might alter creativity.

Upon Completion:
Participants should have a better understanding of the definition of creativity, how creativity might be tested, the possible brain mechanisms of creative acts, and how diseases of the brain can influence this gift.

Lecture/Faculty:
- Creativity and the Brain
  Kenneth M. Heilman, MD, FAAN, Gainesville, FL
  Bruce L. Miller, MD, San Francisco, CA

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
Breakfast Seminar: 6:45 a.m.–8:30 a.m.

2BS.006

**Topics:** Critical Care/Trauma; Epilepsy/Clinical Neurophysiology (EEG)

**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice

**Critical Care Epilepsy/EEG**

**CME Credits:** 1.5

**Director:** Paul A. Garcia, MD, San Francisco, CA

**Program Description:**
This program is designed for general neurologists, intensivists, epileptologists, and electroencephalographers who are involved in the clinical care of critically ill patients with impaired mental status or seizures. Faculty will review the utility of continuous video-EEG monitoring, controversial EEG patterns, and practical management of seizures and status epilepticus in the ICU. The focus will be on practical clinical care and recent advances.

**Upon Completion:**
Participants should be better able to understand the indications for and interpretation of prolonged EEG monitoring in critically ill patients; diagnose and manage nonconvulsive and convulsive seizures more effectively; and treat status epilepticus more effectively.

**Lecture/Faculty:**
- Diagnostic Considerations
  Paul A. Garcia, MD, San Francisco, CA
- Practical Management Issues
  Brian K. Aldredge, PharmD, San Francisco, CA
- Discussion: Cases
  Faculty

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians, Electroencephalographers, Intensivists

This program offers BASIC knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

2BS.007

**Topic:** Research/Education

**Core Competencies:** Interpersonal and Communication Skills, Medical Knowledge, Professionalism, Systems-Based Practice

**How to Successfully Write a Career Development Grant**

**CME Credits:** 1.5

**Director:** Elan D. Louis, MD, MS, FAAN, New York, NY

**Program Description:**
Residents and fellows in academic training who wish to pursue a clinical or basic/translational research career need to gain knowledge not only in scientific areas but also about funding opportunities. Faculty will discuss training grants available from the NIH, their rules and requirements, sources of seed money, and potential strategies and pitfalls when applying for such funding.

**Upon Completion:**
Participants should have a general familiarity with funding mechanisms for those in clinical training; be acquainted with some strategies for success; and be aware of general pitfalls to avoid when preparing an application for research funding.

**Lecture/Faculty:**
- Inside the Black Box: Overview of the NIH Clinical and Basic/Translational Grant Opportunities
  Katrina A. Gwinn, MD, Bethesda, MD
- Strategies for K Award and Other Training Grant Applications
  Stephen J. Korn, PhD, Rockville, MD
- Perspective of Someone Who Was Just Where You Are Now
  Bradford B. Worrall, MD, MSc, Charlottesville, VA
- From K Awardee to R01: Strategies for Success
  Elan D. Louis, MD, MS, FAAN, New York, NY

**Recommended Audience:**
Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

2BS.008

**Topic:** Movement Disorders

**Core Competencies:** Medical Knowledge, Patient Care

**A Clinician’s Guide to Myoclonus**

**CME Credits:** 1.5

**Director:** Steven Frucht, MD, New York, NY

**Program Description:**
Myoclonus is one of the most commonly encountered movement disorders but also one of the most difficult to manage. A wide array of disorders can cause myoclonus, and identifying the cause and source of myoclonic jerks can intimidate even experienced clinicians. Fortunately, a number of helpful neurophysiologic tools are available, and several new effective treatments for myoclonic disorders have emerged in the past five years. Faculty will illustrate the diagnosis and treatment of patients with myoclonus using a case-based approach heavily illustrated with video.

**Upon Completion:**
Participants should be able to recognize myoclonic disorders; generate a differential diagnosis; know how to decide if myoclonus is likely cortical, subcortical, spinal, or peripheral in origin; and rationally approach pharmacologic treatment.
Lecture/Faculty:
- Review of Clinical Cases and Discussion
  Steven Frucht, MD, New York, NY
  Hiroshi Shibasaki, MD, Kyoto, Japan

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Colloquium: 9:00 a.m.–12:00 p.m.

2EC.001

Topic: Practice

Core Competencies: Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Professionalism, Systems-Based Practice

PATIENT SAFETY COLLOQUIUM:

ESSENTIAL PATIENT SAFETY FOR THE NEUROLOGIST—DOES YOUR PRACTICE MEASURE UP?

CME Credits: 3.0

Director: Michael J. Kaminski, MD, Nashville, TN

Program Description:
Do you have a detector to monitor patient safety in your practice? Does it work? To find out, attend this year’s colloquium, which examines the expanding role of measurement in neurology patient safety. Measurement is essential not only to monitor our efforts and document outcome improvement, but also to redirect future strategies aimed at improved patient safety and care in neurology. Information provided through this program can be linked to many of the core competencies and may be used to demonstrate participation in patient safety programming needed for licensure.

Free and open to all registered attendees. Registration is not required.

Upon Completion:
Participants should be able to demonstrate awareness of the key role of measurement in neurology patient safety; know key essential safety measures to be monitored at each patient encounter; understand ongoing patient safety activities in an innovative residency training program; be aware of monitoring safety issues in hospital stroke patients; understand the current and future role of third-party payers in evaluating patient safety; and be aware of updated online AAN tools available to implement patient safety strategies now.

Lecture/Faculty:
- Measurement: An Essential Step in Patient Safety
  Daniel M. Feinberg, MD, FAAN, Philadelphia, PA
- The Essential Patient Safety Checklist
  Michael J. Kaminski, MD, Nashville, TN
- Measure Patient Safety in Residency Training
  Eric M. McDade, DO, Baltimore, MD
  Brian C. Salter, MD, Baltimore, MD
- Patient Safety in Hospital Stroke Care
  Robert G. Holloway, MD, MPH, FAAN, Rochester, NY
- The Payer Perspective on Neurology Patient Safety
  David A. Stumpf, MD, PhD, FAAN, Chicago, IL
- Finding the Tools to Help You Measure Patient Safety in Your Practice
  Robert M. Kropp, MD, Saint Petersburg, FL

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, All Clinicians and Neurology Office Staff

This program offers BASIC knowledge.

A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

2AC.001

Topic: Cognitive Neurology/Neurological Disorders Presenting with Psychiatric Symptoms

Core Competencies: Medical Knowledge, Patient Care

STRUCTURE FUNCTION CORRELATIONS IN BEHAVIORAL NEUROLOGY

CME Credits: 3.5

Director: Jeremy D. Schmahmann, MD, FAAN, Boston, MA

Program Description:
Disorders of the white matter are increasingly recognized in clinical neurology, and changes in cerebral white matter pathways are thought to contribute to cognitive decline in normal aging. This program is directed toward examining the many clinical manifestations of lesions of the cerebral white matter, understanding these presentations based on knowledge of functional neuroanatomy, and developing approaches to treatment of both the resultant abnormal behaviors and the underlying disease states that produce them. Faculty will elucidate the principles of organization of the fiber tracts of the brain, consider diseases that affect the white matter and help guide diagnostic studies, discuss development of white matter in health and disease, and focus on the pathology and treatment of cerebral white matter ischemia.

Upon Completion:
Participants should be familiar with anatomic principles of organization of cerebral white matter and association pathways; have an appreciation of a wide range of diseases that preferentially disrupt cerebral white matter and the clinical manifestations that result; be able to recognize these disorders; and be familiar with new approaches to treatment.

Lecture/Faculty:
- Functional Neuroanatomy of Cerebral White Matter Pathways
  Jeremy D. Schmahmann, MD, FAAN, Boston, MA
- Diseases of Cerebral White Matter
  Christopher Mark Filley, MD, FAAN, Denver, CO
September 13, 2013

• Vascular Contribution to Cognitive Impairment
  Steven M. Greenberg, MD, PhD, Boston, MA
• Disorders of Cerebral White Matter During Development
  Florian Eichler, MD, Boston, MA

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

2AC.002

Topic: Neuro-oncology
Core Competencies: Medical Knowledge, Patient Care

Neurologic Complications of Cancer
CME Credits: 3.5
Director: John W. Henson, MD, FAAN, Boston, MA

Program Description:
Neurologists are frequently called on to diagnose and treat the neurologic complications of metastatic cancer and cancer therapy. Systemic cancer often produces neurologic symptoms and signs as its initial manifestation. Faculty will provide state-of-the-art information on brain metastasis, leptomeningeal metastasis, metastatic epidural spinal cord compression, and paraneoplastic neurologic syndromes. The program will conclude with a panel and participant discussion of several illustrative cases.

Upon Completion:
Participants should be familiar with the neurologic presentations of systemic cancer and be able to diagnose and recommend appropriate treatment for metastatic complications of cancer.

Lecture/Faculty:
• Brain Metastasis
  Roy A. Patchell, MD, FAAN, Lexington, KY
• Metastatic Epidural Spinal Cord Compression
  Kurt A. Jaekle, MD, FAAN, Jacksonville, FL
• Leptomeningeal Metastasis
  Marc Chamberlain, MD, FAAN, Seattle, WA
• Paraneoplastic Neurologic Syndromes
  Josep O. Dalmau, MD, PhD, Philadelphia, PA

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

2AC.003

Topic: Sleep Disorders
Core Competencies: Medical Knowledge, Patient Care

Neurology of Sleep
CME Credits: 3.5
Director: Phyllis C. Zee, MD, PhD, Chicago, IL

Program Description:
Sleep disorders are often comorbid with neurologic disorders, and neurologists play a vital role in the diagnosis, treatment, and management of patients with sleep disorders. Faculty will provide a review of the most current knowledge of the neurobiology and physiology of sleep and circadian rhythms and the evaluation and treatment of common sleep disorders, such as insomnia, parasomnia, sleep-related movement disorders, hypersomnias, and sleep-disordered breathing.

Upon Completion:
Participants should be able to describe the current understanding of the neurobiology and the physiology of normal sleep and circadian rhythms; appreciate the mechanisms that underlie sleep disorders, such as insomnia, circadian rhythm disorders, parasomnias, hypersomnias, restless legs syndrome, and sleep apnea; and explain the diagnosis, treatment, and management of patients with sleep disorders commonly encountered in neurologic practice.

Lecture/Faculty:
• Neurobiology of Sleep and Wake: Implications for Sleep Disorders
  Clifford B. Saper, MD, PhD, FAAN, Boston, MA
• Advances in the Diagnosis and Treatment of Narcolepsy
  Thomas Scammell, MD, Boston, MA
• Pediatric Sleep Disorders - Special Considerations
  Beth A. Malow, MD, MS, FAAN, Nashville, TN
• Insomnia: State of Science
  Phyllis C. Zee, MD, PhD, Chicago, IL
• Putting It Together: Case-based Discussion (Focus on Parasomnia and Sleep Apnea)
  Alon Y. Avidan, MD, MPH, Los Angeles, CA

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

2AC.004

Topic: Headache/Other Pain Syndromes
Core Competencies: Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Systems-Based Practice

PAINFUL PAIN PATIENTS

CME Credits: 3.5
Director: Ronald M. Kanner, MD, FAAN, New York, NY

Program Description:
Faculty will address difficult issues in pain management in a case-based format. Scenarios that strain the doctor-patient relationship will be analyzed, including interactions with substance abusers as well as personality disorders, chronic daily headache, failed low back syndrome, and other patient-centered issues. Faculty will also address position-centered issues, such as fear of regulation/prosecution, biases, and gaps in diagnosis.

Upon Completion:
Participants should be able to identify patients with substance abuse issues or personality disorders and structure and appropriate therapeutic regimen; construct diagnosis-based therapies for difficult headache patients; recognize and deal with factitious disease; and develop therapeutic strategies for the failed low back syndrome.

Lecture/Faculty:
- Somatization and Drug Abuse
  Ronald M. Kanner, MD, FAAN, New York, NY
- Difficult Headache Cases
  Richard B. Lipton, MD, FAAN, Bronx, NY
- Failed Low Back Syndrome
  Jerome Schofferman, MD, Daly City, CA
- Pseudoneuropathy
  Jose L. Ochoa, MD, PhD, DSc, Portland, OR

Recommended Audience:
Practitioners, Fellows, Residents, Nurses

This program offers BASIC and ADVANCED knowledge.

A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

2AC.005

Topic: Practice
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice

MAKING SURE YOUR ELECTRONIC HEALTH RECORD SYSTEM IS A SUCCESS

CME Credits: 3.5
Director: Neil A. Busis, MD, FAAN, Pittsburgh, PA

Program Description:
While many neurologists are using electronic tools electively today, experts predict that soon their adoption will be mandatory. The US government intends to ensure that electronic health records (EHRs) are used in every medical office, and pay-for-performance initiatives will make it essential for physicians to comply. For neurologists to be ready for these changes and make the best selections for their practices, they should become familiar with a variety of EHR software applications. The AAN EHR Work Group recently evaluated vendors that meet minimum standards of functionality and identified several that are best tailored for neurologists. Faculty will instruct neurologists on how to choose and implement EHRs to improve their practices’ delivery of health care and their bottom line. These tools save time, improve patient safety, decrease overhead, and allow neurologists to practice more efficiently and meet the requirements of regulatory agencies and third-party payers.

Upon Completion:
Participants should be able to understand the principles of EHRs and how they can increase productivity and reimbursement and improve medical care and safety; select which features of EHRs are most critical for their practices; choose an EHR system to best meet the needs of their practice; ensure successful implementation of an EHR (transition from paper); determine a return on their EHR investment; and understand how the AAN and other organizations are helping them choose the right EHR application.

Lecture/Faculty:
- How Do I Choose an EHR System?
  Neil A. Busis, MD, FAAN, Pittsburgh, PA
- What Are My Documentation Options and Why Does It Matter?
  Gregory J. Esper, MD, Decatur, GA
- How Do I Ensure Successful Implementation (Transition from Paper)?
  Steven J. Zuckerman, MD, Baton Rouge, LA
- How Do I Get a Return on My Investment?
  Daniel B. Hier, MD, MBA, FAAN, Chicago, IL

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians, Practice Managers, Office Administrators

This program offers BASIC and ADVANCED knowledge.

Full-Day Course: 9:00 a.m.–5:00 p.m.

2FC.001

Topic: General Neurology/Neurology of Systemic Disease
Core Competencies: Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Professionalism

NEUROLOGY UPDATE I

CME Credits: 6.5
Director: Terrence L. Cascino, MD, FAAN, Rochester, MN
Program Description:
Neurology is one of the fastest changing fields in all of medicine and has differentiated into numerous well-defined complex subspecialties. These factors make it an enormous challenge to stay current. For the 2008 Annual Meeting, there will be two update programs, one offered on Sunday and the other on Friday. Because of the large number of important topics, these two programs will each cover eight unique subjects, each presented by a preeminent expert in the field who has also demonstrated superior skills at presenting material of this type to large audiences.

2FC.001 topics include updates in neuromuscular junction disorders and myopathies, neuro-infectious diseases, Alzheimer’s disease, non-Alzheimer’s dementias, stroke, sleep disorders, neuro-ophthalmology, and neuro-oncology.

7FC.001 topics include updates in multiple sclerosis, spine disorders, Parkinson’s disease, other movement disorders, epilepsy, headache, peripheral neuropathy and motor neuron disorders, and medical neurology.

Upon Completion:
Participants should be able to recognize and treat the important neuromuscular junction and myopathic disorders; diagnose and treat the common neurologic infectious diseases; identify patients with Alzheimer’s disease and apply current evidence to choosing appropriate treatments; diagnose and manage patients with non-Alzheimer’s dementias; apply evidence-based approaches to the treatment and prevention of stroke; diagnose and manage the common sleep disorders; recognize the important neuro-ophthalmic disorders seen in neurology practice; and offer patients with cancer of the nervous system the best evidence-based treatment options.

Lecture/Faculty:
- Update in Neuromuscular Junction Disorders and Myopathies
  Gil I. Wolfe, MD, FAAN, Dallas, TX
- Update in Neuro-infectious Diseases
  Karen L. Roos, MD, FAAN, Indianapolis, IN
- Update in Alzheimer’s Disease
  Ronald C. Petersen, PhD, MD, Rochester, MN
- Update in Non-Alzheimer’s Dementias
  Jody Corey-Bloom, MD, PhD, San Diego, CA
- Update in Stroke
  David Lee Gordon, MD, FAHA, Oklahoma City, OK
- Update in Sleep Disorders
  Michael H. Silber, MB, GhB, FAAN, Rochester, MN
- Update in Neuro-ophthalmology
  Nancy J. Newman, MD, FAAN, Atlanta, GA
- Update in Neuro-oncology
  Amy A. Pruitt, MD, Philadelphia, PA

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Full-Day Course: 9:00 a.m.–5:00 p.m.

2FC.002

Topic: Cerebrovascular Disease
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice

Cerebrovascular Disease

CME Credits: 6.5
Director: Robert D. Brown, Jr., MD, FAAN, Rochester, MN

Program Description:
The evaluation and management of patients with cerebrovascular disorders continues to evolve rapidly and become ever more complex. Keeping abreast of advances in the field has become a particular challenge for clinicians, and even for stroke specialists. Faculty will broadly cover the evaluation and management of a variety of cerebrovascular disorders, including the management of acute ischemic stroke, intracerebral hemorrhage, and subarachnoid hemorrhage. Secondary prevention of stroke after initial stroke will be reviewed in detail, including issues in selection of antithrombotic agents and optimal management of risk factors. Other entities commonly seen in clinical practice, including issues related to stroke in young adults and unruptured intracranial aneurysms, will be addressed. Selected inherited cerebrovascular disorders and the latest data on stroke genetics will also be covered. This program is completely redesigned annually to keep it current and to select the faculty best able to discuss recent advances. Ample time will be available for discussion and questions from attendees.

A coding lunch on cerebrovascular disease is taking place in conjunction with this program. Please see program 2CL.002 Coding Lunch: Cerebrovascular Disease.

Upon Completion:
Participants should be familiar with the latest recommendations and controversies regarding the evaluation and management of patients with all stroke types, including acute ischemic stroke, intracerebral hemorrhage, and subarachnoid hemorrhage; be able to initiate optimal secondary prevention strategies after ischemic stroke, including selection of the optimal antithrombotic agent using the most recently published data and appropriate aggressive risk factor management; be able to optimally manage issues related to ischemic stroke in young adults, including patent foramen ovale and prothrombotic states; and be aware of the most common inherited disorders causing ischemic stroke; and understand key issues in the management of unruptured intracranial aneurysms.

Lecture/Faculty:
- Optimal Management of Acute Ischemic Stroke
  Jeffrey L. Saver, MD, FAAN, Los Angeles, CA
- Causes of Ischemic Stroke in Young Adults: Evaluation and Management
  Cheryl Bushnell, MD, Durham, NC
- Update on Ischemic Stroke Genetics
  James F. Meschia, MD, FAAN, Jacksonville, FL
- Secondary Prevention After Ischemic Stroke: Using Available Data to Select the Optimal Antithrombotic Therapy
  J. Donald Easton, MD, FAAN, Jamestown, RI
- Update in the Management of Intracerebral Hemorrhage
  Joseph P. Broderick, MD, FAAN, Cincinnati, OH
• Update in the Management of Subarachnoid Hemorrhage  
  Alejandro A. Rabinstein, MD, Rochester, MN
• Key Issues in the Management of Unruptured Intracranial Aneurysms  
  Robert D. Brown, Jr., MD, FAAN, Rochester, MN
• Secondary Prevention After Ischemic Stroke: Risk Factor Management  
  Ralph L. Sacco, MD, MS, FAAN, Miami, FL

Recommended Audience:  
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Full-Day Course: 9:00 a.m.–5:00 p.m.

2FC.003

Topic: Neuromuscular Disease/Clinical Neurophysiology (EMG)  
Core Competencies: Medical Knowledge, Patient Care

PERIPHERAL NEUROPATHY

CME Credits: 6.5  
Director: David S. Saperstein, MD, Phoenix, AZ

Program Description:  
Peripheral neuropathy is a common disorder with many potential causes. The information presented in this program will guide the selection of diagnostic tests and therapeutic interventions, permitting effective management of patients with both common and uncommon neuropathies. Faculty will intersperse case presentations throughout the program, which will involve audience participation, and incorporate faculty panel discussions.

A coding lunch on peripheral neuropathy is taking place in conjunction with this program. Please see program 2CL.003 Coding Lunch: Neuromuscular Disease.

Upon Completion:
Participants should be able to combine a peripheral neuropathy evaluation algorithm with specific knowledge about a range of common and uncommon neuropathies to select appropriate diagnostic tests and treatment options.

Lecture/Faculty:  
• Approach to the Peripheral Neuropathy Patient  
  Benn E. Smith, MD, Scottsdale, AZ
• Laboratory Testing for Peripheral Neuropathy  
  David S. Saperstein, MD, Phoenix, AZ
• Inherited Neuropathies  
  Jun Li, MD, PhD, Detroit, MI
• Case Presentations and Panel Discussion  
  Faculty
• Guillain-Barré Syndrome  
  Ted M. Burns, MD, Charlottesville, VA
• Chronic Inflammatory Demyelinating Polyneuropathy  
  Jonathan S. Katz, MD, San Francisco, CA
• Case Presentations and Panel Discussion  
  Faculty
• The Spectrum of Diabetic Peripheral Neuropathies  
  P. James B. Dyck, MD, FAAN, Rochester, MN

• Managing Peripheral Neuropathy Pain  
  Todd D. Levine, MD, Phoenix, AZ
• Case Presentations and Panel Discussion  
  Faculty

Recommended Audience:  
Practitioners, Fellows, Academicians

This program offers BASIC knowledge.

Full-Day Course: 9:00 a.m.–5:00 p.m.

2FC.004

Topic: Aging/Dementia/Degenerative Disease  
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

DEMENTIA UPDATE

CME Credits: 6.5  
Director: Neill R. Graff-Radford, MD, FAAN, Jacksonville, FL

Program Description:  
Knowledge in the area of dementia is rapidly evolving. Faculty will present the clinical and molecular biology of Alzheimer’s disease; an overview of frontotemporal dementia; prion disease past, present, and future; vascular dementia from clinical, radiologic and pathologic perspectives; the dementias with a Parkinson’s component; and a practical approach to normal pressure hydrocephalus.

A coding lunch on dementia is taking place in conjunction with this program. Please see program 2CL.001 Coding Lunch: Dementia.

Upon Completion:
Participants should be familiar with the differential diagnosis of dementia; recognize the clinical features and practical approaches of the different dementias; and understand the basis for amyloid as a therapeutic target in Alzheimer’s disease, the molecular basis of different dementias, and the genetic components of the dementias.

Lecture/Faculty:  
• Alzheimer’s Disease  
  Ronald C. Petersen, PhD, MD, Rochester, MN
• Molecular Basis of Alzheimer’s Disease, Genes, and Amyloid Beta Protein  
  Steven G. Younkin, MD, PhD, Jacksonville, FL
• Prion Disease  
  Eric R. Eggenberger, DO, FAAN, East Lansing, MI
• Frontotemporal Dementia  
  Bruce L. Miller, MD, San Francisco, CA
• Parkinson-Related Dementias  
  Bradley F. Boeve, MD, Rochester, MN
Clinical Research Methods

CME Credits: 6.5
Director: Karl D. Kieburtz, MD, FAAN, Rochester, NY

Program Description:
Formal training in study design and data analysis is often neglected during the process in which future clinical investigators develop areas of clinical expertise. This program will serve as an introduction to the science of clinical research, which is essential in order to translate new discoveries from the laboratory and the basic sciences into better care for patients and new preventive interventions.

Faculty will present the following topics: observational research; randomized clinical trials; sampling and measurement biases; random error, confounding, and effect modification; principles of genetic epidemiology; health services research; quality-of-care and outcomes research; decision analysis and cost-effectiveness research; and legal and ethical issues in clinical research. Faculty will illustrate these concepts using examples from the neurologic literature.

Upon Completion:
Participants should be able to apply principles of clinical research to practice, investigation, and interpretation of the literature and better select avenues for more advanced training in clinical research methods.

Lecture/Faculty:
• Observational and Interventional Study Designs
  Karl D. Kieburtz, MD, FAAN, Rochester, NY
• Health Services Research: Quality-of-Care and Outcomes Research
  Michael D. Hill, MD, Calgary, AB, Canada
• Random Error, Confounding, and Effect Modification
  George Howard, PhD, Birmingham, AL
• Genetic Epidemiology
  Faculty
• Sampling and Measurement Biases
  Walter A. Rocca, MD, MPH, Rochester, NY

Update in Neuroimaging: Essentials and Beyond–Part I

CME Credits: 6.5
Director: Rohit Bakshi, MD, FAAN, Boston, MA

Program Description:
Recent advances in neuroimaging have given neurologists powerful tools to noninvasively diagnose CNS disorders and study brain structure, chemistry, and function more sensitively and accurately. However, with so many new techniques, potential for confusion exists in knowing which tests are most relevant to a given clinical situation. Some techniques are widely available while others are not. This is the first part of a day-and-a-half program that will serve as an update and overview of the role of neuroimaging in clinical neurology. This full day will be devoted to MRI/CT physics and artifacts, MRI techniques, and the role of neuroimaging in the evaluation of stroke, tumors, blood/trauma, vascular defects, infections, inflammation, demyelination, and epilepsy. The program should help neurologists decide how to use these techniques to optimize patient care and advance the understanding of brain diseases.

This program complements 3AC.001: Update in Neuroimaging: Essentials and Beyond–Part II, but covers independent topics.

Upon Completion:
Participants should understand some of the physics and artifacts related to the generation of MRI/CT scans; explain how diffusion, perfusion, and fMRI are acquired and the indications for ordering these sequences in a variety of brain disorders; understand the role of neuroimaging in the diagnosis and management of stroke, tumors, blood/trauma, vascular defects, infections, inflammation, demyelination, and epilepsy; and explain the education, credentialing, and reimbursement opportunities for neurologists in MRI practice.

Lecture/Faculty:
• Welcome/Introduction
  Rohit Bakshi, MD, FAAN, Boston, MA
• CT/MRI Physics and Artifacts
  David Alsop, PhD, Newton, MA
• MRI Techniques: The Tool Box
  David Alsop, PhD, Newton, MA
• Neuroimaging of Stroke
  Lawrence R. Wechsler, MD, FAAN, Pittsburgh, PA
• Functional MRI
  Bradford Dickerson, MD, Boston, MA
• Neuroimaging of Brain Tumors
  Laszlo Mechtler, MD, Buffalo, NY
• Neuroimaging of Blood/Trauma
  Leo Wolansky, MD, Newark, NJ
• Neuroimaging of Vessels; Techniques; Arteriovenous Malformations, and Aneurysms
  Leo Wolansky, MD, Newark, NJ
• Neuroimaging of Infections
  Rohit Bakshi, MD, FAAN, Boston, MA
• Neuroimaging of Inflammation/Demyelination
  Rohit Bakshi, MD, FAAN, Boston, MA
• Neuroimaging of Epilepsy
  Erasmo A. Passaro, MD, FAAN, Salt Lake City, UT
• MRI Practice Issues
  Mircea A. Morariu, MD, West Palm Beach, FL

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians, Imaging Scientists, Neuroscientists

This program offers BASIC and ADVANCED knowledge.

**Full-Day Course: 9:00 a.m.–5:00 p.m.**

**2FC.007**

**Topic:** Neuro-ophthalmology/Neuro-otology

**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice

**NEURO-OPTHALMOLOGY**

**CME Credits:** 6.5

**Director:** Mark L. Master, MD, FAAN, Philadelphia, PA

**Program Description:**
Faculty will present a comprehensive review of clinical neuro-ophthalmology. The format will be case presentations followed by lectures related to the cases. Topics to be covered include the differential diagnosis of visual loss, optic disc swelling, pupil disorders, visual field defects and ocular motility disorders. Practical clinical issues will be emphasized. Cases will be presented after each faculty presentation.

**Upon Completion:**
Participants should become familiar with the diagnosis, evaluation, and treatment of common neuro-ophthalmic problems.

**Lecture/Faculty:**
- Diagnosis of Permanent Visual Loss
  Nancy J. Newman, MD, FAAN, Atlanta, GA
- Diagnosis and Management of Optic Neuritis
  Steven Galetta, MD, FAAN, Philadelphia, PA
- Diagnosis of Optic Disc Edema
  Kathleen B. Digre, MD, FAAN, Salt Lake City, UT
- Transient Visual Loss
  Jonathan D. Trabé, MD, FAAN, Ann Arbor, MI
- Visual Field Defects
  Jonathan D. Trabé, MD, FAAN, Ann Arbor, MI
- Ischemic Optic Neuropathy
  Kathleen B. Digre, MD, FAAN, Salt Lake City, UT
- Hereditary Optic Neuropathy
  Nancy J. Newman, MD, FAAN, Atlanta, GA
- Diagnosis of Diplopia
  Valerie Biousse, MD, Atlanta, GA
- Management of Third Cranial Nerve Paresis
  Jonathan D. Trabé, MD, FAAN, Ann Arbor, MI
- Supranuclear Deficits
  Mark L. Master, MD, FAAN, Philadelphia, PA
- Those Other Causes of Diplopia
  Nancy J. Newman, MD, FAAN, Atlanta, GA
- Anisocoria
  Steven Galetta, MD, FAAN, Philadelphia, PA
- Localizing Nystagmus
  Mark L. Master, MD, FAAN, Philadelphia, PA
- Diagnosis and Management of Giant Cell Arteritis
  Valerie Biousse, MD, Atlanta, GA

Each presentation will be followed by a case presented by Mark L. Master, MD, FAAN, Philadelphia, PA

**Recommended Audience:**
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

**Skills Workshop: 9:00 a.m.–6:00 p.m.**

**2SW.001**

**Topic:** Neuromuscular Disease/Clinical Neurophysiology (EMG)

**Core Competencies:** Medical Knowledge, Practice-Based Learning and Improvement

**EMG SKILLS WORKSHOP: BASIC**

**CME Credits:** 7.5

**Director:** John C. Kincaid, MD, FAAN, Indianapolis, IN

**Program Description:**
This program consists of four two-hour sessions: sensory nerve conduction studies, motor nerve conduction studies and late responses, needle EMG, and special techniques (basic repetitive nerve stimulation studies and blink reflexes). In small, hands-on group sessions, faculty will demonstrate basic and some uncommon techniques and allow discussion of the clinical utility and technical pitfalls of the techniques shown. Some of the techniques covered include median, ulnar, radial, antebrachial cutaneous, sural, and superficial peroneal sensory nerve responses; median, ulnar, radial,
accessory, facial, peroneal, and tibial motor nerve responses; repetitive nerve stimulation study; F wave, H reflex, blink reflex; and selection and identification of common and unusual muscles for needle EMG assessment. This program is designed for advanced residents, fellows, and practitioners who wish to improve fundamental skills.

This program complements 3SW.001: Advanced Techniques in EMG and Neuromuscular Disease, but covers basic topics.

Upon Completion:
Participants should become familiar with the basic electrodiagnostic skills that aid in the evaluation of common neuromuscular problems; learn the clinical utility of the various techniques; understand uncommon techniques of sensory and motor nerve conduction studies, repetitive stimulation studies, and blink reflex studies; and identify uncommonly selected muscles for needle EMG.

Lecture/Faculty:
• EMG Skills Workshop
  Paul E. Barkhaus, MD, FAAN, Milwaukee, WI
  James M. Gilchrist, MD, FAAN, Boston, MA
  Holli Ann Horak, MD, Cincinnati, OH
  Jun Kimura, MD, FAAN, Iowa City, IA
  John C. Kincaid, MD, FAAN, Indianapolis, IN
  Noor A. Pirzada, MD, FAAN, Scottsdale, AZ
  Zaeem A. Siddiqi, MD, PhD, Edmonton, AB, Canada

Recommended Audience:
Practitioners, Residents, Academicians

This program offers BASIC knowledge.

Coding Lunch: 12:00 p.m.–1:00 p.m.

2CL.001
Topics: Aging/Dementia/Degenerative Disease; Practice
Core Competencies: Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice

Coding Lunch: Dementia
CME Credits: 1.0
Director: Marc R. Nuwer, MD, PhD, FAAN, Los Angeles, CA

Program Description:
Faculty will discuss how to code to obtain reimbursement for patient care services. CPT procedure codes best used for dementia patient care will be presented, along with examples of when to use them, including rules for using the neurobehavior examination codes in addition to E/M visit codes. ICD diagnostic codes and how best to use them for patients with dementia will be discussed. Time will be provided at the end of the program to address individual practitioners’ problems and questions.

A full-day program on dementia is taking place in conjunction with this program. Please see program 2FC.004 Dementia Update.

Upon Completion:
Participants should know what documentation needs to be included in notes, be able to code correctly, and use the best codes to obtain the best reimbursement.

Lecture/Faculty:
• Coding Lunch: Cerebrovascular Disease
  Kenneth J. Gaines, MD, FAAN, Columbia, SC

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

Coding Lunch: Cerebrovascular Disease
CME Credits: 1.0
Director: Kenneth J. Gaines, MD, FAAN, Columbia, SC

Program Description:
Coding issues in cerebrovascular disease, including new Diagnosis-Related Group (DRG) and procedure codes for acute stroke interventions and prolonged care for stroke patients, will be discussed.

A full-day program on cerebrovascular disease is taking place in conjunction with this program. Please see program 2FC.002 Cerebrovascular Disease.

Upon Completion:
Participants should be able to determine appropriate ICD codes for stroke, appropriate E/M codes for stroke cases, and appropriate codes for acute stroke interventions.

Lecture/Faculty:
• Coding Lunch: Cerebrovascular Disease
  Kenneth J. Gaines, MD, FAAN, Columbia, SC

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.
**Cochimera: 12:00 p.m.–1:00 p.m.**

**2CL.003**

**Topics:** Neuromuscular Disease/Clinical Neurophysiology (EMG); Practice

**Core Competency:** Systems-Based Practice

---

**Cochimera: Neuromuscular Disease**

**CME Credits:** 1.0

**Director:** Peter D. Donofrio, MD, FAAN, Nashville, TN

**Program Description:**

Accurate coding is imperative for documentation of the correct diagnosis and to ensure reimbursement commensurate with the services provided. Services can be denied if the correct diagnosis code is not used or a procedure is performed for an improper ICD code. Faculty will emphasize selection of the ICD diagnostic codes, E/M codes, and procedure codes pertinent to the field of neuromuscular disorders. Several examples will be used to emphasize correct coding.

A full-day program on neuromuscular disease is taking place in conjunction with this program. Please see program 2FC.003 Peripheral Neuropathy.

**Upon Completion:**

Participants should have greater facility in selecting the proper ICD, E/M, and CPT codes for patients with common neuromuscular conditions and will learn when and where to use modifiers, which codes are intrinsically unilateral or bilateral, and what limitations exist to the number of nerves and procedures that should be performed for typical presentations of neuromuscular illnesses.

**Lecture/Faculty:**

- Coding Lunch: Neuromuscular Disease
  - Peter D. Donofrio, MD, FAAN, Nashville, TN

**Recommended Audience:**

Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

---

**Colloquium: 2:15 p.m.–6:00 p.m.**

**2EC.002**

**Topic:** Practice

**Core Competency:** Systems-Based Practice

---

**BRAINS Colloquium: The BRAINS Behind Our Business**

**CME Credits:** 3.0

**Director:** Craig Williams, Boston, MA

**Program Description:**

Now in its third year, the BRAINS Colloquium is intended to provide attendees with up-to-date information on the “business side” of neurology and opportunities to further develop practice management skill sets. Faculty will address additional revenue opportunities, billing compliance for academic and private practices, compensation models and recruitment of physicians, and allied health professionals. Free and open to all registered attendees. Registration is not required.

**Upon Completion:**

Participants should have new insights into the emerging trends of the neuroscience industry to better position their practice within their local marketplace; learn how to increase profits through effective denial management and use of advanced access scheduling techniques; and learn optimal characteristics of effective compensation models in neurology for single, multispecialty, and academic practice settings.

**Lecture/Faculty:**

- Revenue Opportunities
- Billing Compliance
- Compensation Models
- Recruitment Techniques
- Faculty

**Recommended Audience:**

Practitioners, Fellows, Residents, BRAINS Members, and Practice Administrators

This program offers BASIC and ADVANCED knowledge.

---

**P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.**

**2PC.001**

**Topics:** Child Neurology; Headache/Other Pain Syndromes

**Core Competencies:** Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Systems-Based Practice

---

**Update in Childhood Headache**

**CME Credits:** 3.5

**Director:** Andrew D. Hershey, MD, PhD, Cincinnati, OH

**Program Description:**

Faculty will examine the advances in the diagnosis and characterization of childhood headaches and how they affect epidemiology studies. A series of cases will be used as a bridge to tie these discussions together. The impact of headaches on childhood disability and quality of life will be discussed as well as how new treatment can improve the outcome of childhood headache, including migraine, and what new treatments are on the horizon based on recent pathophysiology. Advances in the treatment of intractable and chronic headaches will also be discussed, and all of these advances will be put in the context of the current practice parameters as well as those that are in development for childhood headache.

**Upon Completion:**

Participants should be able to utilize standardized International Classification of Headache Disorders, Second Revision (ICHD-II) criteria to accurately diagnose childhood headache disorders; develop effective treatment approaches for patients based on the most up-to-date data while basing this decision on the underlying pathophysiology; develop an understanding of the significant impact of headaches on children’s and parents’ lives and how to easily measure this in their practice; and attain insight in the treatment...
of difficult pediatric headaches, including status migrainous, intractable headache, and chronic daily headache.

Lecture/Faculty:
- **Introduction: Cases in Pediatric Headache**
  Andrew D. Hershey, MD, PhD, Cincinnati, OH
- **Using Standardized Criteria to Diagnose, Evaluate, and Understand the Epidemiology of Pediatric Headache**
  Paul Winner, DO, FAAN, West Palm Beach, FL
- **The Impact and Pathophysiology of Pediatric Headache**
  Andrew D. Hershey, MD, PhD, Cincinnati, OH
- **Acute Treatment: How Can We Stop the Headache?**
  Steven L. Linder, MD, Dallas, TX
- **Prevention: How Do We Treat Frequent Headaches and Chronic Migraine?**
  Marcy E. Yanker, MD, Wilmington, DE
- **What Do We Do When Things Go Wrong: Emergency Department and Inpatient Treatment**
  Marielle Kabbouche, MD, Cincinatti, OH
- **Discussion: What Can We Learn from Our Patients?**
  Faculty

Recommended Audience:
Practitioners, Fellows, Residents, Nurses

This program offers BASIC and ADVANCED knowledge.

**P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.**

2PC.002

**Topic:** Demyelinating Disorders

**Core Competencies:** Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice

**Hot Topics in Multiple Sclerosis: Current Controversies and Consensus**

CME Credits: 3.5
Director: Aaron E. Miller, MD, FAAN, New York, NY

Program Description:
Faculty will address several exciting subjects with implications for the diagnosis and treatment of multiple sclerosis (MS) and related disorders. Internationally known experts will discuss lessons learned from studies of pathology and immunology, as well as from clinical management of both pediatric and adult populations. All lectures will be strongly clinically focused with the goal of providing practically useful information to aid clinicians in caring for patients with MS and related disorders. Faculty members have all been selected because of their outstanding lecture skills.

Upon Completion:
Participants should be able to acquire a better understanding of the immunology, neuro-ophthalmology, diagnosis, prognosis, and treatment of MS and related disorders and gain information that will help to guide them in making their own diagnostic and therapeutic decisions for patients with CNS demyelinating disorders.

Lecture/Faculty:
- **Neuroimmunology of MS: A Guide for the Perplexed; Understanding the Rationale for Current and Future Therapy**
  Amit Bar-Or, MD, FRCP, Montreal, QC, Canada
- **MS: How to Make the Diagnosis in 2008**
  Brian G. Weinshenker, MD, FAAN, Rochester, MN
- **Advances in the Neuro-ophthalmology of MS**
  Elliot M. Fraiman, MD, FAAN, Dallas, TX
- **Can We Predict the Future of Patients with MS?**
  Aaron E. Miller, MD, FAAN, New York, NY

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
Doctor, What Is Wrong with Me? Explaining the Neuroscience of Disease to Your Patient

CME Credits: 3.5
Director: Peter R. Bergethon, MD, Boston, MA

Program Description:
The practicing physician is usually regarded by the patient, the family, and society in general as an authority and expert in science. A patient or a member of the community (e.g., teacher, clergy, or politician) often comes to a neurologist with the question, “Why did this happen?” “What is going on inside of my head?” or “What is the newest thinking and treatment of this disease or behavior?” Are you prepared to explain modern science in a clear and informal manner to the untrained but curious layperson? In this program, faculty will review the science and technology that underlie the current state of the art in neurologic disease with the intention of providing practical tools and explanations to the practicing physician that can be offered to the lay public. The program syllabus will include patient education materials that will support informal scientific explanations that can be given by the practitioner. All of the topics will be case-based, and the scientific discussion will derive from clinical signs, symptoms, and aspects of disease diagnosis and treatment that patients would likely ask about.

Upon Completion:
Participants should be able to communicate an understanding of the scientific basis of neurologic diseases and their treatment in a manner that makes the pathologic, diagnostic, and treatment rationales clear to the lay public and receive both an increased knowledge and understanding of the scientific basis of neurologic disease and tools to aid in patient education by explaining the scientific underpinnings of neurologic disease, diagnosis, and treatment.

Lecture/Faculty:
• Doctor, What’s Wrong with Me? Clinical Cases and Explanations
  Jeremy D. Schmahmann, MD, FAAN, Boston, MA
• Doctor, What Is Happening to My Memory?
  Wesley Farris, MD, Pittsburgh, PA
• Isn’t There a Natural Way to Treat This Without Chemicals?
  Peter R. Bergethon, MD, Boston, MA
• Doctor, What’s Wrong with Me? Clinical Cases and Explanations II
  Jeremy D. Schmahmann, MD, FAAN, Boston, MA

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
of mitochondrial biogenesis and the crucial role of mitochondria both in sustaining cell life (energy provision) and in controlling cell death (apoptosis). In practical terms, faculty will educate participants on the impact of new scientific knowledge on the diagnosis and classification of mitochondrial diseases and the development of rational therapeutic strategies.

Upon Completion:
Participants should be familiar with recent progress in mitochondrial genetics; gain a better understanding of the relationships, which are not always straight-forward, between mutations in either genome (nuclear or mitochondrial) and clinical presentations; learn useful clues to the correct diagnosis of these frustratingly heterogeneous clinical disorders; and gain a realistic understanding of the limited but expanding therapeutic options.

Lecture/Faculty:
- Mitochondrial Genetics
  Eric A. Schon, PhD, New York, NY
- Mitochondrial Diseases
  Michio Hirano, MD, New York, NY
- Therapeutic Strategies for Mitochondrial Diseases
  Salvatore Di Mauro, MD, New York, NY

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Dinner Seminar: 6:00 p.m.–9:00 p.m.

2DS.002

Topic: Epilepsy/Clinical Neurophysiology (EEG)
Core Competencies: Medical Knowledge, Patient Care

Intractable Epilepsy: What to Do When Nothing Works

CME Credits: 2.5
Director: William H. Theodore, MD, FAAN, Bethesda, MD

Program Description:
Faculty will consider the management of the adult and pediatric patient with epilepsy who has not responded to medical treatment. Faculty will address the definition of “intractability,” including the number of antiepileptic drugs that should be tried, possible reasons for drug failure, and the relevance of neuropsychological and psychiatric consequences of epilepsy and drug therapy for deciding to try an alternative therapeutic approach. The advantages and disadvantages of diet therapy, resective surgery, corpus callosotomy, and brain stimulation will be evaluated. Case histories designed to illustrate difficult problems and possible solutions will be presented. This program is aimed at residents and fellows, neurologists in practice, and academic practitioners in fields other than epilepsy.

Upon Completion:
Participants should be able to decide when patients with epilepsy need to be considered for therapy in addition to antiepileptic drugs and be able to evaluate the advantages and disadvantages, for individual patients, of therapeutic alternatives such as surgery, diet, or brain stimulation.

Lecture/Faculty:
- What Is Intractable Epilepsy?
  William H. Theodore, MD, FAAN, Bethesda, MD
- Who Is a Candidate for Surgery?
  Joseph I. Sirven, MD, FAAN, Phoenix, AZ
- Diet and Brain Stimulation
  Eric H. Kossoff, MD, Baltimore, MD

Recommended Audience:
Practitioners, Fellows, Residents

This program offers BASIC and ADVANCED knowledge.

Dinner Seminar: 6:00 p.m.–9:00 p.m.

2DS.003

Topic: Critical Care/Trauma; Neurorehabilitation
Core Competencies: Medical Knowledge, Patient Care, Systems-Based Practice

Ten Sequelae of Brain Trauma That You Can and Should Address

CME Credits: 2.5
Director: Jonathan L. Fellus, MD, Glen Ridge, NJ

Program Description:
Various levels of patients with traumatic brain injury (TBI) are encountered in neurologic practice, yet there are few evidence-based guidelines to follow. Faculty will review topics including the diagnostic, treatment, and, specifically, pharmacologic approaches to mood disturbances, neurobehavioral changes, neuropsychiatric changes, neurocognitive deficits, sleep dysfunction, posttraumatic fatigue, posttraumatic epilepsy, and neuroendocrinologic dysfunction.

Upon Completion:
Participants should become familiar with the main cognitive, behavioral, psychiatric, and associated sequelae and complications of TBI as well as their management as part of the comprehensive approach to maximizing functional outcomes following TBI; and acquire an enhanced appreciation for optimal pharmacologic approaches to various challenging clinical presentations in the individual with TBI.

Lecture/Faculty:
- Cognition Behavior Mood and Affect: Trying to Think Straight!
  Jonathan M. Silver, New York, NY
- Optimizing Recovery from TBI: Chemistry and the Treatment Team
  Stuart Yablon, MD, Jackson, MS
- Doc, Why Am I Cold, Fatigued, Unmotivated, and Unable to Sleep?
  Jonathan L. Fellus, MD, Glen Ridge, NJ

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
**Dinner Seminar: 6:00 p.m.–9:00 p.m.**

**2DS.004**

**Topics:** Aging/Dementia/Degenerative Disease; Cognitive Neurology/Neurological Disorders Presenting with Psychiatric Symptoms  
**Core Competencies:** Medical Knowledge, Patient Care

**Management of Common Behavioral Disturbances in Dementia**

**CME Credits:** 2.5  
**Director:** Kimford J. Meador, MD, FAAN, Gainesville, FL

**Program Description:**  
Behavioral disorders are not only frequent in patients with dementia, they are typically the most problematic issues in the care of these patients. Examples of common behavioral problems include apathy, depression, anxiety, emotional liability, agitation, psychosis, and disinhibition. Recognition of contributing factors and an understanding of the risks and benefits of behavioral and pharmacologic interventions are important in the management of behavioral disturbances in dementia. Faculty will review these issues and allow participants to present cases during the discussion session.

**Upon Completion:**  
Participants should gain knowledge of the behavioral and pharmacologic management of behavioral disturbances in patients with dementia.

**Lecture/Faculty:**  
- Imaging Correlates of Behavioral Disorders in Dementia  
  Liana Apostolova, MD, Los Angeles, CA  
- Pharmacologic Management of Behavioral Disorders in Dementia  
  David Geldmacher, MD, Charlottesville, VA  
- Case Studies  
  Kimford J. Meador, MD, FAAN, Gainesville, FL

**Recommended Audience:**  
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

**Dinner Seminar: 6:00 p.m.–9:00 p.m.**

**2DS.005**

**Topic:** Infectious Disease  
**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice

**Scientific Basis of Neurologic Infections**  
**CME Credits:** 2.5  
**Director:** Avindra Nath, MBBS, FAAN, Baltimore, MD

**Program Description:**  
Infectious etiologies are often considered in many neurologic disorders for which the cause remains unknown. Neurologists currently have limited ability to diagnose these diseases, even though these illnesses are often a major cause of morbidity and mortality. Faculty will discuss how state-of-the-art and cutting-edge technology is reshaping the diagnosis of infectious etiologies in neurologic disorders, the mechanisms by which CNS opportunistic infections occur in patients treated with immunomodulatory therapy, and the role of viral infections in causing neuroimmune disorders such as multiple sclerosis. Through presentation of cases, faculty will discuss the diagnosis and management of challenging patients with neuroinfectious diseases.

**Upon Completion:**  
Participants should be familiar with the use of cutting-edge technology in the diagnosis of neurologic infections, the role of infectious agents in the pathogenesis of common neurologic diseases, and the neurologic manifestations of novel infectious organisms; and learn how to monitor patients on emerging immunomodulatory therapies for possible neurologic infections and the methods for management of these syndromes.

**Lecture/Faculty:**  
- Scientific Basis of Neurologic Infections  
  Richard T. Johnson, MD, FAAN, Baltimore, MD  
  Igor J. Koralkin, MD, Boston, MA  
  Avindra Nath, MBBS, FAAN, Baltimore, MD  
  Alexandros C. Tselis, MD, PhD, Rochester Hills, MI  
  Steve Jacobson, PhD, Bethesda, MD

**Recommended Audience:**  
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.
Upon Completion:
Participants will understand when to consider a biopsy for neurologic diagnosis, which tissue to biopsy, and how to maximize the diagnostic value and risks of the procedure.

Lecture/Faculty:
- **Brain Biopsy for Rapidly Progressive CNS Disease**
  J. Clay Goodman, MD, FAAN, Houston, TX
- **Targeted Nerve Biopsy**
  P. James B. Dyck, MD, FAAN, Rochester, MN
- **Skin Biopsy for Small Fiber Neuropathy: Pros and Cons**
  J. Clay Goodman, MD, FAAN, Houston, TX
- **Far Afield: Olfactory, Rectal, Bone Marrow, Adrenal, and Eye Biopsy in Neurologic Disease**
  J. Clay Goodman, MD, FAAN, Houston, TX

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

---

Dinner Seminar: 6:00 p.m.–9:00 p.m.

2DS.007

**Topic:** Headache/Other Pain Syndromes

**Core Competencies:** Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Professionalism, Systems-Based Practice

**CME Credits:** 2.5

**Director:** Beth B. Murinson, MD, PhD, Baltimore, MD

**Program Description:**
Pain is a prevalent symptom in neurology practice. Faculty will combine the strengths of didactic and active learning through audience participation, practice-oriented discussion, and an invitation to submit cases in advance for review and discussion during the program.

Faculty will open with an introductory review highlighting recent basic and translational science developments that pertain to major pain-associated neurologic conditions, including central pain, radiculopathy, and peripheral neuropathy. Participants will then have the opportunity to evaluate and discuss cases that have been submitted for the program. Faculty will focus on the diagnostic tools available for assessing the pain-associated conditions frequently seen in neurology practice, emphasizing how the choice of diagnostic modalities is often guided by first formulating a pain differential diagnosis. Faculty will begin the second half of the program with a review of the current practice parameters and advisories that pertain to pain-associated neurologic conditions. Finally, faculty will return to case-focused discussion focusing on approaches to treatment and highlighting evidence-based treatment strategies. Participants wishing to submit cases should forward to Dr. Beth Murinson at BethMurinson@hotmail.com.

Upon Completion:
Participants should be aware of recent developments in the basic sciences that impact the understanding, diagnosis, and treatment of pain-associated neurologic conditions; be knowledgeable about diagnostic modalities available for the assessment of pain in the setting of neurologic disease; be familiar with the current recommendations for evaluation and management of pain conditions commonly seen in neurologic practice; be familiar with several agents for the treatment of pain; and be familiar with the agents commonly used in certain settings.

Lecture/Faculty:
- **Introduction with Highlights from Basic and Translational Science**
  Beth B. Murinson, MD, PhD, Baltimore, MD
- **Small-Group Discussion of Cases Focusing on Diagnostic Workup**
  Faculty
- **Key Elements of the Diagnostic Workup**
  Anne Louise Oaklander, MD, PhD, Lincoln, MA
- **AAN Practice Parameters and Advisories Impacting Pain Care**
  Beth B. Murinson, MD, PhD, Baltimore, MD
- **Treatment of Pain, Evidence-Based Recommendations, and Recent Developments**
  Charles E. Argoff, MD, New York, NY
- **Panel Discussion of Pain Treatment and Management**
  Faculty

Recommended Audience:
Practitioners, Fellows, Residents, Physicians Assistants

This program offers BASIC and ADVANCED knowledge.
Dinner Seminar: 6:00 p.m.–9:00 p.m.

**2DS.008**

**Topic:** Movement Disorders  
**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

**TOP 10 PITFALLS IN THE DIAGNOSIS OF PARKINSON’S DISEASE**

**CME Credits:** 2.5  
**Director:** Stephen G. Reich, MD, FAAN, Baltimore, MD

**Program Description:** Parkinson's disease (PD) is often referred to as a “waiting room diagnosis.” Yet, autopsy studies have demonstrated that the clinical diagnosis is incorrect as much as 20% of the time. Faculty will review pitfalls in the diagnosis of PD. The first group of pitfalls includes disorders that may be mistaken for PD, such as essential tremor, drug-induced parkinsonism, and, especially, parkinsonian syndromes. The second group includes less common presentations of PD leading to false-negative diagnoses, such as young-onset PD, painful parkinsonism, and atremulous PD. The program will include a rich selection of videotapes and case presentations.

**Upon Completion:** Participants should be familiar with the differential diagnosis of parkinsonism; know how to differentiate PD from mimickers; be familiar with the red flags suggesting a parkinsonian syndrome; know the clinical features of the most common parkinsonian syndromes; and be able to recognize atypical presentations of PD.

**Lecture/Faculty:**  
- Top 10 Pitfalls in the Diagnosis of Parkinson’s Disease  
  Stephen G. Reich, MD, FAAN, Baltimore, MD

**Recommended Audience:** Practitioners, Fellows, Residents, Nurses, Academicians

**This program offers BASIC and ADVANCED knowledge.**
Education Colloquium: Lifelong Education
9:00 a.m.–12:00 p.m.

Lifelong education in neurology covers a wide spectrum of objectives and technologies. Attend the Education Colloquium to learn about changing priorities; the impact of new technologies such as webcast and podcasts; how outcomes and demonstration affect continuing medical education; and the Maintenance of Certification program. Free to all meeting registrants. See page 49 for details.

Kenneth M. Viste, Jr., MD, Neurology Public Policy Fellowship Information Session
12:00 p.m.–1:00 p.m.
The Kenneth M. Viste, Jr., MD, Neurology Public Policy Fellowship provides an excellent opportunity to gain hands-on experience in federal policy and develop political relationships that help promote the interests of neurology. Meet with past fellows and selection committee members to learn more about the yearlong paid fellowship in Washington, DC, offered by the AAN, the American Neurological Association, and the Child Neurology Society.

Scientific Program: Integrated Neuroscience: New Methods in Imaging
2:00 p.m.–6:00 p.m.
Provides in-depth subspecialty concentration around a topic using a combination of presentations, such as scientific sessions, case studies, short poster talks, discussions, invited lecturers, and poster sessions.

Guidelines, Practice, and Advocacy Open House
3:00 p.m.–5:30 p.m.
Get tools and advice to help you succeed in practice. View posters of recent and upcoming guidelines on controversial clinical issues and discuss the conclusions with the authors. Learn more about advocacy, coding, maximizing reimbursement, effective practice management, quality improvement, and patient safety. Complimentary cocktails and appetizers will be provided.

Student Interest Group in Neurology (SIGN) Meeting
4:00 p.m.–6:30 p.m.
Student and faculty representatives from existing SIGN chapters and those interested in starting chapters will gather for presentations and discussion to be followed by a reception.

ABPN Resident Informational Session
5:00 p.m.–6:30 p.m.
This is an interactive opportunity for residents and fellows to meet members of the ABPN. The panel will discuss all aspects of the neurology boards and what is expected from candidates. Free and open to all interested persons.

Exhibit Hall Opening Reception
McCormick Place West, Hall F
5:00 p.m.–7:00 p.m.
Attend the opening reception to mingle with fellow attendees and preview the latest products and services available in the neurological industry. Light hors d’oeuvres and beverages will be served. The exhibits will be open at this time.

Residents and Fellows Career Forum and Reception
6:30 p.m.–9:00 p.m.
This career night for residents features three panel rooms including fellowship, private practice, and academic/research, as well as an expanded poster forum and reception to include exhibits of private practice groups and opportunities to learn about potential positions from headhunters. Advertisers in Dendrite: Professional Opportunities in Neurology® will also be on hand to discuss job opportunities.

Panel Forums
6:30 p.m.–7:30 p.m.

Fellowship Panel
Find out how to search for a fellowship, how program directors select fellows, and how a fellowship could benefit your career.

Academic/Research Panel
Find out how to start a career in academics/research.

Private Practice Panel
Find out how to start a career in private practice.

Poster Forum and Reception
7:30 p.m.–9:00 p.m.
Socialize with other residents and representatives from various neurology programs and address questions regarding fellowships, academic/research, and private practice career opportunities.
Breakfast Seminar: 6:45 a.m.–8:30 a.m.

3BS.001

**Topics:** Aging/Dementia/Degenerative Disease; Practice

**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

**Dementia Evaluation in the Office**

**CME Credits:** 1.5

**Director:** Zoe Arvanitakis, MD, MS, Chicago, IL

**Program Description:**
Dementia is one of the most common neurologic problems in older persons. Further, the incidence of dementia is increasing as the older segment of the population is growing. Important advances in the diagnosis, management, and treatment of dementia have been made over the past several decades. The clinician must now recognize and manage dementia in the office in a time-efficient manner, using up-to-date knowledge.

**Upon Completion:**
Participants should be able to recognize the key clinical features of and implement a management plan for the most common degenerative dementias, including Alzheimer’s disease, Lewy body disease, and frontotemporal dementia, as well as the most common nondegenerative dementia, vascular dementia; distinguish among older persons with normal cognitive function, those with mild cognitive impairment, and those with Alzheimer’s disease; and acquire an approach to the evaluation of atypical forms of dementia.

**Lecture/Faculty:**
- Alzheimer’s Disease and Mild Cognitive Impairment
  Ronald C. Petersen, PhD, MD, Rochester, MN
- Vascular Dementia and Lewy Body Disease
  Julie A. Schneider, MD, MS, Chicago, IL
- Frontotemporal Dementia and Evaluation of Atypical Dementias
  Zoe Arvanitakis, MD, MS, Chicago, IL

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

---

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

3BS.002

**Topics:** Epilepsy/Clinical Neurophysiology (EEG); Women’s Issues

**Core Competencies:** Interpersonal and Communication Skills, Medical Knowledge, Patient Care

**Special Considerations in Women’s Epilepsy**

**CME Credits:** 1.5

**Director:** Joseph I. Sirven, MD, FAAN, Phoenix, AZ

**Program Description:**
Women with seizures/epilepsy face special psychological and physiologic challenges, including the impact of sex steroids on seizure frequency and the influence of seizures and antiepileptic drugs (AEDs) on metabolic, bone, and reproductive health. New findings from several pregnancy registries have shed new light on teratogenic effects of AEDs. Faculty will survey important topics such as the influence of hormones on seizures and the impact of AEDs on weight, bone health, and sexual dysfunction. Faculty will also provide the most current information regarding women and epilepsy so as to aid evidence-based decision making for patients who are already pregnant or contemplating pregnancy.

**Upon Completion:**
Participants should become familiar with the role of reproductive hormones in the pathophysiology and treatment of epilepsy, identify reproductive and metabolic issues associated with treatment for women with epilepsy, and understand special considerations related to pregnancy, bone health, and sexual dysfunction.

**Lecture/Faculty:**
- Hormones; AEDs Versus Seizures; Sex and Weight
  Robert A. Gross, MD, PhD, FAAN, Rochester, NY
- Epilepsy, AEDs, and Bone Health
  Alison M. Pack, MD, New York, NY
- Seizures, AEDs, and Pregnancy
  Katherine H. Noe, MD, PhD, Scottsdale, AZ

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

---

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

3BS.003

**Topic:** General Neurology/Neurology of Systemic Disease

**Core Competencies:** Medical Knowledge, Patient Care, Professionalism, Systems-Based Practice

**Global Health Challenges: Neurology in Developing Countries**

**CME Credits:** 1.5

**Director:** Gregory D. Cascino, MD, FAAN, Rochester, MN

**Program Description:**
The neurologic disorders in developing countries include HIV/AIDS, multidrug-resistant tuberculosis, meningitis, malaria, and nutritional deficiencies. The socioeconomic impact in selected areas, such as sub-Saharan Africa, has been catastrophic because these illnesses may affect children, working adults, and health care professionals. Approximately 95% of the world’s estimated 40 million HIV/AIDS patients are in developing countries. The global challenges include providing proper diagnostic studies and medical treatments at an affordable cost. The US government and private citizens provide nearly $40 billion annually to developing countries for medical care. Vaccinations are necessary to prevent neurologic diseases such as tetanus and polio. Political issues and lack of local resources and personnel are important obstacles to quality care.
Upon Completion:
Participants should be familiar with the global health challenges and differential diagnosis and treatment of common neurologic illnesses in developing countries.

Lecture/Faculty:
- Neuroinfectious Diseases
  Karen L. Raas, MD, FAAN, Indianapolis, IN
- Pharmacoeconomics: Medications and Vaccinations
  Gregory D. Cascino, MD, FAAN, Rochester, MN

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

3BS.004

Topic: Neurogenetics/Neurometabolic Disorders/Neurotoxicology

Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

IMPORTANT DRUG INTERACTIONS FOR NEUROLOGISTS AND PSYCHIATRISTS

CME Credits: 1.5

Director: Laurence J. Kinsella, MD, FAAN, Saint Louis, MO

Program Description:
Few physicians may be aware that drug interactions have had far-reaching consequences for residency training. Libby Zion, an 18-year-old New Yorker, died in 1984 of an interaction between meperidine and phenelzine as well as concurrent cocaine use. The Bell Commission, blaming resident overwork and fatigue, recommended limiting resident work loads to no more that 80 hours a week, which is now the law of the land. But would today’s well-rested resident or practicing neurologist have been able to save Libby Zion? Faculty will emphasize important drug interactions pertinent to neurologic practice and offer an algorithm for the prediction of relevant drug-drug interactions. A series of case studies will be provided to cement these concepts.

Upon Completion:
Participants should rediscover the P450 enzyme system as well as the genetic variations that affect drug metabolism; receive a table of the important substrates, inhibitors, and inducers of P450 enzyme metabolism; and learn to predict drug-drug as well as drug-diet interactions before they occur.

Lecture/Faculty:
- Libby Zion’s Lesson: Important Drug Interactions for Neurologists
  Laurence J. Kinsella, MD, FAAN, Saint Louis, MO

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

3BS.005

Topic: Cerebrovascular Disease

Core Competency: Medical Knowledge

PERIOPERATIVE STROKE: A PRACTICAL APPROACH TO RISK STRATIFICATION AND MODIFICATION DURING THE PREOPERATIVE EVALUATION

CME Credits: 1.5

Director: Magdy H. Selim, MD, PhD, Boston, MA

Program Description:
Neurologists are increasingly called to evaluate patients undergoing general and cardiovascular surgical procedures and are often asked to estimate the risk of stroke related to surgery. Therefore, general neurologists need to be knowledgeable of patient- and procedure-related risk factors and the mechanisms contributing to stroke during the perioperative period. Additionally, they need to be comfortable with decision making regarding the need for additional preoperative diagnostic tests or interventions for risk modification and the treatment of perioperative cerebrovascular complications, in particular stroke.

Faculty will provide participants with the core elements of the burden of perioperative stroke, its pathophysiology, risk factor stratification, and management. Faculty will present and critically discuss available data regarding the pathophysiology of stroke in the perioperative period and stroke risk assessment based on patient- and procedure-related elements. Practical suggestions for management and preventive strategies will be emphasized. Faculty will present evidence-based support for these suggestions and strategies as well as to questions that neurologists commonly encounter during preoperative evaluation of surgical patients. Interactions between faculty and participants will be encouraged.

Upon Completion:
Participants should have a comprehensive understanding of the pathophysiologic mechanism(s) and patient- and procedure-related risk factors associated with stroke during the perioperative period; be able to decide when further preoperative testing or treatment is indicated; learn strategies for risk modification and treatment; and incorporate evidence-based decision making into their daily practice.

Lecture/Faculty:
- The Burden and Pathophysiology of Perioperative Stroke
  David M. Greer, MD, Swampscott, MA
  Magdy H. Selim, MD, PhD, Boston, MA
  Michel T. Torbey, MD, MPH, Milwaukee, WI

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
Breakfast Seminar: 6:45 a.m.–8:30 a.m.

3BS.006

**Topic:** Cognitive Neurology/Neurological Disorders Presenting with Psychiatric Symptoms

**Core Competencies:** Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Professionalism

**Attention Deficit Hyperactivity Disorder Across the Lifespan: A Primer for the Neurologist**

**CME Credits:** 1.5

**Director:** Max Wiznitzer, MD, FAAN, Cleveland, OH

**Program Description:**
Attention deficit hyperactivity disorder (ADHD) occurs in 5% to 10% of children and 2% to 4% of adults and can cause significant dysfunction. Full or partial ADHD persists into adulthood in at least 40% of involved children. Symptomatic adults can have dysfunction in multiple environments (home, work, recreation) and comorbid conditions such as tics, anxiety disorders, and mood disorders. ADHD features are also consequences of acquired conditions such as traumatic brain injury and CNS infection. Persistence and later onset of features suggest that both pediatric and adult neurologists should be knowledgeable about the presentation and features of ADHD. Faculty will explore the key manifestations and causes of ADHD over the lifespan and address the treatment options (pharmacologic and nonpharmacologic) available to the clinician.

**Upon Completion:**
Participants should be able to recognize the clinical features of ADHD during key ages in the lifespan; understand the neurobiological basis and core neuropsychological underpinnings of ADHD and their impact on clinical manifestations; know the available treatment options (pharmacologic and nonpharmacologic) for ADHD and common comorbid conditions at various ages; and determine treatment options when ADHD co-occurs with neurologic conditions such as tic disorder and epilepsy.

**Lecture/Faculty:**
- ADHD: Clinical Features and Comorbidities Across the Lifespan
  Max Wiznitzer, MD, FAAN, Cleveland, OH
- ADHD Treatment Options: Medication
  Max Wiznitzer, MD, FAAN, Cleveland, OH
- ADHD Treatment Options: Educational, Behavioral, and Occupational
  Martha Bridge Denckla, MD, Baltimore, MD

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

3BS.007

**Topic:** Cerebrovascular Disease

**Core Competencies:** Medical Knowledge, Patient Care, Systems-Based Practice

**Cervical Artery Dissection**

**CME Credits:** 1.5

**Director:** John W. Norris, MD, London, United Kingdom

**Program Description:**
The widespread use of safer neurovascular imaging shows that dissection of the carotid and vertebral arteries is probably the commonest cause of stroke in young people. Underlying genetic arterial wall abnormalities have been demonstrated in patients as well as their asymptomatic relatives. Prevention with antithrombotic drugs is only now undergoing randomized trial, while the role of thrombolysis, stents, and vascular surgery is still uncertain.

**Upon Completion:**
Participants should learn the wide spectrum of clinical and radiological presentations of arterial dissection and the causal factors involved in the arterial lesion. No definitive data exists to guide prevention of further stroke, but previous relevant publications will be discussed as well as data from the ongoing multicenter randomized UK trial of antithrombotic therapies. Current surgical strategies, including the relevance of pseudoaneurysm formation, will be discussed by a vascular neurosurgeon who has published extensively in this area.

**Lecture/Faculty:**
- Clinical and Radiologic Diagnosis
  Louis R. Caplan, MD, FAAN, Boston, MA
- Medical Treatment
  John W. Norris, MD, London, United Kingdom
- Surgical Treatment
  Wouter Schievink, Los Angeles, CA

**Recommended Audience:**
Practitioners, Fellows, Residents, Academicians

This program offers ADVANCED knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

3BS.008

**Topic:** Neuromuscular Disease/Clinical Neurophysiology (EMG)

**Core Competencies:** Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Professionalism

**Small Fiber Neuropathies: Somatic, Autonomic, or a Mixture of Both**

**CME Credits:** 1.5

**Director:** Kamal R. Chemali, MD, Cleveland, OH
Program Description:
Small fiber neuropathies are common but often unrecognized conditions that affect the peripheral, somatic, and autonomic nervous systems. Through the presentations of cases of increasing complexity, faculty will facilitate a discussion with participants of the pathophysiology, differential diagnosis, diagnostic evaluation, and therapeutics of these conditions.

Upon Completion:
Participants should be familiar with the pathophysiology, semiology, differential diagnosis, autonomic testing, laboratory evaluation, and treatment of small fiber somatic or autonomic neuropathies.

Lecture/Faculty:
- Review of the Epidemiology, Semiology, Pathophysiology, Differential Diagnosis, and Diagnostic Tests of Small Fiber Neuropathies Using the Problem-Based Learning Approach
  Thomas C. Chelimsky, MD, FAAN, Cleveland, OH
  Kamal R. Chemali, MD, Cleveland, OH
- Review of the Therapeutics of Small Fiber Neuropathies
  Thomas C. Chelimsky, MD, FAAN, Cleveland, OH
  Kamal R. Chemali, MD, Cleveland, OH
- Discussion of Participants’ Experiences in the Field of Small Fiber Neuropathies, Questions and Answers
  Thomas C. Chelimsky, MD, FAAN, Cleveland, OH
  Kamal R. Chemali, MD, Cleveland, OH

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
(UCNS), the program’s content will vary somewhat from year to year, in order to address core neuroimaging educational requirements. This program complements 2FC.006: Update in Neuroimaging: Essentials and Beyond–Part I, but covers independent topics.

**Upon Completion:**
Participants should be able to diagnose neuro-ophthalmic conditions using appropriate neuroimaging modalities; recognize extracerebral lesions that are commonly seen on brain imaging studies; understand the physiology and pathophysiology of CSF dynamics; and recognize the neuroimaging findings in various movement disorders.

**Lecture/Faculty:**
- Neuroimaging in Neuro-ophthalmology  
  Carl Ellenberger, Jr., MD, FAAN, Mount Gretna, PA
- Extracerebral Abnormalities on Head Imaging Studies  
  Leo Wolansky, MD, Newark, NJ
- Hydrocephalus and Other CSF Disorders  
  Leon D. Prockap, MD, FAAN, Tampa, FL
- Neuroimaging of Movement Disorders  
  Rohit Bakshi, MD, FAAN, Boston, MA

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses

This program offers BASIC and ADVANCED knowledge.

---

**A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.**

**3AC.003**
**Topic:** Neuro-oncology
**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice

**Neuro-oncology Update**
**CME Credits:** 3.5
**Director:** Myrna Rosenfeld, MD, PhD, FAAN, Philadelphia, PA

**Program Description:**
The diagnosis and treatment of primary brain tumors have advanced significantly in the past few years. Faculty will cover the most recent recommendations for diagnosis and treatment of these tumors, including pre- and postoperative evaluations, advances in molecular and pathologic examination of tissue, as well as standard and investigational chemotherapies for high-grade glial tumors and primary CNS lymphoma. Faculty will include neuro-oncologists and a neuropathologist. Additional topics include management of medical problems in the acute phase of treatment, discussion of the evolving problems facing long-term survivors, and ways in which neurologists are involved in end-of-life care.

**Upon Completion:**
Participants should be familiar with the clinical trials and translational research that have led to current standard therapy for high-grade glial tumors and primary CNS lymphoma; know current investigational avenues; have an understanding of how new molecular pathologic tissue analyses impact diagnosis, prognosis, and treatment of these tumors; have an evidence base for the management of seizures, venous thrombosis, and infection during initial treatment; and learn strategies to enhance quality of life for patients with long-term complications and unusual sequelae of brain tumor therapy.

**Lecture/Faculty:**
- Standard and Investigational Therapies for High-Grade Glial Tumors  
  Myrna Rosenfeld, MD, PhD, FAAN, Philadelphia, PA
- Primary CNS Lymphoma Update  
  Tracy T. Batchelor, MD, MPH, Boston, MA

---

**A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.**

**3AC.002**
**Topic:** Neuromuscular Disease/Clinical Neurophysiology (EMG)
**Core Competencies:** Medical Knowledge, Patient Care

**Clinical Approach to Muscle Disease**
**CME Credits:** 3.5
**Director:** Matthew P. Wicklund, MD, Col, USAF, Lakenheath, United Kingdom

**Program Description:**
Recent advances in our understanding of the pathogenetic mechanisms and treatment approaches to muscle disease have substantially impacted clinicians’ care for patients with muscle disease. Faculty will emphasize the clinical approach to diagnosis, standard management, and recent therapeutic breakthroughs. Faculty will employ a case-based format to highlight key concepts. Generous time will be allotted to field questions from participants and for discussion of challenging topics.

**Upon Completion:**
Participants should become familiar with the evaluation and treatment of acquired and genetic muscle disorders, including basic, unusual, and novel diseases; broaden their differential diagnoses; and better understand diagnostic and therapeutic advances.

**Lecture/Faculty:**
- Pattern Approach to Diagnosis of Myopathies  
  John H. Sladky, MD, Boerne, TX
- Inflammatory Myopathies  
  Anthony A. Amato, MD, Boston, MA
- Limb-Girdle Muscular Dystrophies  
  Matthew P. Wicklund, MD, Col, USAF, Lakenheath, United Kingdom
- Myasthenia Gravis and Myasthenic Syndromes  
  Janice M. Massey, MD, FAAN, Durham, NC
- Unusual Case Presentations  
  Faculty

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
• Molecular Neuropathology: Impact on Diagnosis and Treatment of Brain Tumors  
  Gregory Fuller, MD, PhD, Houston, TX
• Medical Complications in Patients with Brain Tumors  
  Amy A. Pruitt, MD, Philadelphia, PA

Recommended Audience:  
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

3AC.004

Topics: Cerebrovascular Disease; Child Neurology  
Core Competencies: Medical Knowledge, Patient Care

STROKE IN YOUNG ADULTS

CME Credits: 3.5
Director: Cheryl Bushnell, MD, Durham, NC

Program Description:
Faculty will review the causes of stroke in young adults aged less than 45. Emphasis will be on ischemic stroke, but, when appropriate, hemorrhagic stroke will also be discussed. Risk factors for stroke are different in this population, and faculty will focus on those with accumulating data and clinical relevance. The latest data on migraine as a risk factor for stroke and its association with cardiovascular risk factors, gender, and oral contraceptives will be discussed. The causes, diagnostic evaluation, and treatment of young adults with stroke will be discussed in three separate topics. The first includes cardiac causes, such as paradoxical embolism from right-to-left shunts (e.g., patent foramen ovale), valvular disease, and endocarditis. The second will include vascular causes, such as premature atherosclerosis, dissection, vasculitis, fibromuscular dysplasia, and angiopathies. Third, the hematologic causes of stroke will be covered, including prothrombotic states and sickle cell disease.

Upon Completion:  
Participants should be able to describe the risks of stroke in young adults with migraine; describe the common cardiac, vascular, and hematologic causes of stroke in young adults; and formulate plans for diagnosis and treatment in young adult patients with stroke.

Lecture/Faculty:
• Prothrombotic States and Stroke in Young Adults  
  Cheryl Bushnell, MD, Durham, NC
• Migraine and Stroke in Young Adults  
  Tobias Kurth, MD, ScD, Boston, MA
• Vascular Causes of Stroke in Young Adults  
 aneesh B. Singhal, MD, Boston, MA
• Cardiac Causes of Stroke in Young Adults  
  Daniel Woo, MD, Cincinnati, OH

Recommended Audience:  
Practitioners, Fellows, Residents, Nurses

This program offers BASIC and ADVANCED knowledge.

A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

3AC.005

Topics: Critical Care/Trauma; General Neurology/Neurology of Systemic Disease  
Core Competencies: Medical Knowledge, Patient Care

EMERGENCY NEUROLOGY

CME Credits: 3.5
Director: Karen L. Roos, MD, FAAN, Indianapolis, IN

Program Description:
The neurologist is critical in the emergent evaluation and management of patients with acute compressive and noncompressive myelopathies, acute headache disorders, coma, and movement disorder emergencies. Faculty will provide participants with a thorough review and cutting-edge information on the management of these patients.

Upon Completion:  
Participants will be well prepared to care for patients with myelopathies, headache, coma, and movement disorders in the emergency department and the ICU.

Lecture/Faculty:
• Acute Compressive and Noncompressive Myelopathies  
  Brian G. Weinschenker, MD, FAAN, Rochester, MN
• Evaluation and Management of Headache in the Emergency Department  
  Todd D. Rozen, MD, Ann Arbor, MI
• Coma  
  Jerome B. Posner, MD, FAAN, New York, NY
• Movement Disorder Emergencies  
  Robert L. Rodnitzky, MD, FAAN, Iowa City, IA

Recommended Audience:  
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

Full-Day Course: 9:00 a.m.–5:00 p.m.

3FC.001

Topic: Demyelinating Disorders  
Core Competencies: Medical Knowledge, Patient Care

UPDATE ON MULTIPLE SCLEROSIS

CME Credits: 6.5
Director: Claudia F. Lucchinetti, MD, FAAN, Rochester, MN

Program Description:
Faculty will build on participants’ existing understanding of multiple sclerosis (MS) and update their knowledge of several key aspects of the disease, including recent advances in disease pathogenesis, neuroimaging, epidemiology, genetics, diagnostic approaches, current treatments, and future research directions. While some basic research will be addressed, the program will emphasize clinical issues. Interactive case vignettes will be used to help emphasize key points and facilitate discussion.
Upon Completion:
Participants should be able to understand the pathology, pathogenesis, imaging, epidemiology, genetics, diagnostic criteria, and management of patients with adult MS; receive an update on future research directions; and have an opportunity to apply their knowledge to specific case scenarios.

Lecture/Faculty:
- The MS Lesion–From Pathology to Pathogenesis
  Claudia F. Lucchinetti, MD, FAAN, Rochester, MN
- Update on Neuroimaging in Multiple Sclerosis–Clinical and Pathogenic Implications
  David H. Miller, MBChB, MD, FRCP, London, United Kingdom
- Epidemiology of MS–Can MS Be Prevented?
  Alberto Ascherio, MD, PhD, Boston, MA
- Genetics of MS
  David A. Hafler, MD, Boston, MA
- Diagnosis: From McDonald and Beyond
  Brian G. Weinshenker, MD, FAAN, Rochester, MN
- Rational Therapeutic Strategies in MS
  Dean M. Wingerchuk, MD, FAAN, Scottsdale, AZ
- Emerging MS Therapies in Trials and Development
  Aaron E. Miller, MD, FAAN, New York, NY
- Interactive Cases
  Faculty

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Full-Day Course: 9:00 a.m.–5:00 p.m.

3FC.002

Topic: Epilepsy/Clinical Neurophysiology (EEG)
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Professionalism, Systems-Based Practice

CLINICAL EPILEPSY

CME Credits: 6.5
Director: Jacqueline French, MD, FAAN, Philadelphia, PA

Program Description:
In this program, faculty will update the practitioner and researcher on the critical areas of epilepsy care, providing state-of-the-art information on diagnosis and treatment in an interactive forum. Cases will be used as examples throughout.

A coding lunch on clinical epilepsy is taking place in conjunction with this program. Please see program 3CL.002: Coding Lunch: Epilepsy.

Upon Completion:
Participants should be able to classify epilepsy and epileptic seizures; understand the difference in presentation of patients with seizures and pseudoseizures; describe the occurrence of seizure emergencies and their treatment; explain the proper management of patients who have become seizure free; discuss the timing and implication of referral of patients for surgical evaluation and evaluation for implantation of vagus nerve stimulation and other devices; discuss common pediatric epilepsy syndromes; explain the evaluation and management of women with epilepsy; and understand the nuances of antiepileptic drug therapy with new and old antiepileptic drugs.

Lecture/Faculty:
- Antiepileptic Drugs 101
  Jacqueline French, MD, FAAN, Philadelphia, PA
- Epilepsy Classification
  Susan T. Herman, MD, Philadelphia, PA
- Pseudoseizures and Pseudo-Pseudoseizures
  William O. Tatum, IV, DO, Tampa, FL
- Women and Epilepsy
  Kimford J. Meador, MD, FAAN, Gainesville, FL
- Epilepsy Surgery and Devices: Who to Refer and When
  Gregory D. Cascino, MD, FAAN, Rochester, MN
- Pediatric Epilepsy Syndromes You Shouldn’t Miss
  Tracy A. Glauser, MD, Cincinnati, OH
- Epidemiology and Management of Acute Seizures and Clusters
  Sheryl R. Haut, MD, Bronx, NY
- My Patient Is Seizure Free: Now What Do I Do?
  Carl W. Bazil, MD, PhD, FAAN, New York, NY

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians, Pharmacists

This program offers BASIC and ADVANCED knowledge.
• Multiple Sclerosis
  Bruce A. C. Cree, MD, PhD, San Francisco, CA
• Epilepsy
  Michael D. Privitera, MD, Cincinnati, OH
• Parkinson’s Disease
  Anthony E. Lang, MD, FAAN, Toronto, ON, Canada
• Stroke
  Ralph L. Sacco, MD, MS, FAAN, Miami, FL
• Headache
  David W. Dodick, MD, Scottsdale, AZ
• Inflammatory and Paraneoplastic Peripheral Neuropathies
  Clifton L. Gooch, MD, New York, NY

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

Full-Day Course: 9:00 a.m.–5:00 p.m.

3FC.004

Topic: Neurogenetics/Neurometabolic Disorders/Neurotoxicology
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

GENETICS IN NEUROLOGY
CME Credits: 6.5
Director: Stefan M. Pulst, MD, FAAN, Los Angeles, CA

Program Description:
The pivotal role played by genetics in neurology is increasingly apparent. Many recent advances have had a direct impact on the practice of neurology. Faculty will provide updates on critical areas in neurogenetics, including repeat expansion diseases, movement disorders, autism, and common diseases such as stroke, epilepsy, and dementia.

Upon Completion:
Participants should be able to incorporate new developments in the genetics and molecular mechanisms of inherited neurologic diseases.

Lecture/Faculty:
• Phakomatoses
  Stefan M. Pulst, MD, FAAN, Los Angeles, CA
• DNA Repeat Mutations
  Henry L. Paulson, MD, PhD, FAAN, Ann Arbor, MI
• Inherited Neuropathies
  Phillip F. Chance, MD, Seattle, WA
• Mitochondrial Disease
  Salvatore Di Mauro, MD, New York, NY
• Genetics of Dementia
  Thomas D. Bird, MD, FAAN, Seattle, WA
• Autism
  Daniel H. Geschwind, MD, PhD, Los Angeles, CA
• Inherited Epilepsies
  Massimo Pandolfo, MD, Brussels, Belgium

• Movement Disorders
  Christine Klein, MD, Luebeck, Germany
• Choice of Test and Ethical Problems
  Martha A. Nance, MD, Minneapolis, MN

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

Full-Day Course: 9:00 a.m.–5:00 p.m.

3FC.005

Topic: Movement Disorders
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

MOVEMENT DISORDERS
CME Credits: 6.5
Director: Kathleen M. Shannon, MD, Chicago, IL

Program Description:
The field of movement disorders depends highly on clinical skills, including recognition of and differentiation among different types of movement disorders, diagnosis and differential diagnosis of underlying etiologies, and monitoring of treatment efficacy and adversity. Faculty will provide an overview of common and less common disorders and discuss important advances in treatment of parkinsonism, chorea, tremor, dystonia, and other conditions. Videotapes and case histories will be used to enrich these discussions.

A coding lunch on movement disorders is taking place in conjunction with this program. Please see program 3CL.001 Coding Lunch: Movement Disorders.

Upon Completion:
Participants should be able to recognize and classify the most common abnormal involuntary movements; generate an appropriate differential diagnosis for different movement disorders; and articulate a strategy for the symptomatic treatment of parkinsonisms, chorea, tremor, dystonia, and other movement disorders.

Lecture/Faculty:
• Welcome and Introductions
  Kathleen M. Shannon, MD, Chicago, IL
• From the Benches to the Trenches: Update on Huntington’s Disease
  Kathleen M. Shannon, MD, Chicago, IL
• Dystonia: A Window on Motor Function
  Steven Frucht, MD, New York, NY
• The Ups and Downs of Tremor
  Elan D. Louis, MD, MS, FAAN, New York, NY
• Parkinson’s Disease: What’s Hot, What’s Not?
  Faculty
• Ataxia: A Clinical Approach
  Jennifer G. Goldman, MD, Chicago, IL
Skills Workshop: 9:00 a.m.–6:00 p.m.

3SW.001
Topic: Neuromuscular Disease/Clinical Neurophysiology (EMG)
Core Competencies: Medical Knowledge, Patient Care

Advanced Techniques in EMG and Neuromuscular Disease
CME Credits: 7.5
Director: Vern C. Juel, MD, Durham, NC

Program Description:
Faculty will highlight advanced EMG techniques, including single-fiber EMG, repetitive nerve stimulation studies, motor unit number estimation, and EMG guidance for chemodenervation in focal dystonia. In addition, the program will include a session addressing the novel and developing technique of peripheral nerve ultrasonography. Small group sessions will be utilized for interactive discussion and technical demonstrations with live subjects.

Upon Completion:
Participants should be more familiar with the techniques of single-fiber EMG, repetitive nerve stimulation studies, motor unit number estimation, EMG guidance for chemodenervation in focal dystonia, and peripheral nerve ultrasonography.

Lecture/Faculty:
- Welcome and Orientation
  Vern C. Juel, MD, Durham, NC
- Single-Fiber EMG
  Donald B. Sanders, MD, FAAN, Durham, NC
- Repetitive Nerve Stimulation Studies
  James F. Howard, Jr., MD, FAAN, Chapel Hill, NC
- Motor Unit Number Estimation
  Clifton L. Gooch, MD, New York, NY
- EMG-guided Chemodenervation
  Vern C. Juel, MD, Durham, NC
  Janice M. Massey, MD, FAAN, Durham, NC
- Peripheral Nerve Ultrasonography
  Lisa Hobson-Webb, MD, Durham, NC

Recommended Audience:
Practitioners, Fellows, Residents, Academicians. Participants should have training or experience in basic electrodiagnostic techniques.

This program offers ADVANCED knowledge.

Coding Lunch: 12:00 p.m.–1:00 p.m.

3CL.001
Topics: Movement Disorders; Practice
Core Competency: Systems-Based Practice

Coding Lunch: Movement Disorders
CME Credits: 1.0
Director: Jerzy P. Szaflarski, MD, PhD, Cincinnati, OH

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians, Non-Neurologists

This program offers BASIC and ADVANCED knowledge.
Program Description:
Faculty will address the issues of documentation, coding, and reimbursement for movement disorders. Discussion will include coding of late complications of movement disorders and how to document the degree of work a neurologist does for complicated patient visits.

A full-day program on movement disorders is taking place in conjunction with this program. Please see program 3FC.005: Movement Disorders.

Upon Completion:
Participants should be familiar with proper coding for movement disorders.

Lecture/Faculty:
- Coding for Movement Disorders
  Jerzy P. Szaflarski, MD, PhD, Cincinnati, OH

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

Coding Lunch: 12:00 p.m.–1:00 p.m.

3CL.002
Topics: Epilepsy/Clinical Neurophysiology (EEG); Practice
Core Competency: Systems-Based Practice

CME Credits: 1.0
Director: Gregory L. Barkley, MD, Detroit, MI

Program Description:
In addition to lifelong learning of new clinical and scientific knowledge, neurologists must understand the constantly evolving practice environment. Faculty will cover issues of billing and coding relevant to care of patients with epileptic and nonepileptic seizures and related clinical neurophysiologic testing as well as a discussion of payment of technical fees based upon site of service.

A full-day program on clinical epilepsy is taking place in conjunction with this program. Please see program 3FC.002: Clinical Epilepsy.

Upon Completion:
Participants should become familiar with the ICD-9 codes used in care of patients with epileptic and nonepileptic seizures, CPT codes associated with related diagnostic neurophysiologic tests, and routing of billing based on site of service.

Lecture/Faculty:
- Coding in Epilepsy and Related Neurophysiologic Testing
  Gregory L. Barkley, MD, Detroit, MI

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians, Office Managers

This program offers BASIC and ADVANCED knowledge.
**3PC.001**

**Topic:** Cognitive Neurology/Neurological Disorders Presenting with Psychiatric Symptoms  
**Core Competencies:** Medical Knowledge, Patient Care

**Primer of Cognitive Neurology**  
**CME Credits:** 3.5  
**Director:** Bruce L. Miller, MD, San Francisco, CA

**Program Description:**  
New approaches to cortical function have greatly enhanced our understanding of the molecular, anatomic, and clinical underpinnings of memory, frontal lobe function, language, and visuospatial abilities. Increasingly, specific cells and circuits are being probed related to higher-order cognitive function. In separate lectures, faculty will synthesize new advances related to hippocampal single-cell recording, anatomic studies of frontal lobe organization and circuitry, functional imaging advances in language and spatial function circuitry, and new clinical approaches to the evaluation of patients with memory, frontal, language, and visuospatial deficits.

**Upon Completion:**  
Participants should be able to understand from the cell to the clinic how hippocampal function is organized and tested; the parcellated functions within the frontal lobes and frontal circuits, and test for lesions in these separate regions; the organization and testing of language systems within the dominant hemisphere; and the unique functions of posterior parietal regions involved with visuospatial functions.

**Lecture/Faculty:**  
- Overview of Cortical Circuitry and Function  
  Bruce L. Miller, MD, San Francisco, CA  
- Building Memory from Cells to Systems  
  Indre Viskontas, San Francisco, CA  
- Frontal Lobe Anatomy, Circuits, and Functions  
  William Seeley, MD, Vallejo, CA  
- Default Mode Networks and Posterior Parietal Functions  
  Michael Greicius, MD, Palo Alto, CA  
- Speech and Language Circuits  
  Maria Gorno Tempini, MD, PhD, San Francisco, CA

**Recommended Audience:**  
Practitioners, Fellows, Residents, Academicians, Psychologists

This program offers BASIC and ADVANCED knowledge.

---

**3PC.002**

**Topics:** Critical Care/Trauma; Neurorehabilitation; Spinal Cord/Nerve Root Disorders  
**Core Competencies:** Medical Knowledge, Patient Care, Systems-Based Practice

**Traumatic Spinal Cord Injury**  
**CME Credits:** 3.5  
**Director:** Robert L. Ruff, MD, FAAN, Cleveland, OH

**Program Description:**  
Spine conditions are extremely common. Back pain causes more lost work productivity than any other medical condition; in their lifetime, three quarters of people in the United States will have some kind of back pain, and each year one person in five will have spine pain. Spine origin is frequently considered in patients with limb pain, numbness, and/or weakness. Neurologists are frequently asked to evaluate patients with spine and limb pain. Faculty will review the diagnosis and differential diagnosis of cervical, thoracic, and lumbar radiculopathies, spondylotic myelopathy, acute and chronic cauda equina syndrome, and lumbar spinal stenosis. Common medical and surgical treatment options will be reviewed.

**Upon Completion:**  
Participants should be able to confidently diagnose radiculopathy, spondylotic myelopathy, cauda equina syndrome, and lumbar spinal stenosis; be familiar with the appropriate medical treatments for these conditions; and know when to refer patients to a spine surgeon for consultation.

**Lecture/Faculty:**  
- Assessment and Acute Management of Spinal Cord Injury  
  Alberto A. Martinez-Arizala, MD, FAAN, Miami, FL  
- Potential Mechanisms for Neural Repair  
  Michael E. Selzer, MD, PhD, FAAN, Philadelphia, PA  
- Managing Autonomic Dysfunction and Sexual Function in Patients with Spinal Cord Injury  
  Florian P. Thomas, MD, PhD, FAAN, Saint Louis, MO  
- Update on Motor Rehabilitation  
  Robert L. Ruff, MD, FAAN, Cleveland, OH  
- Experience of Spinal Cord Injury Resulting from Military Service  
  Paul Gutierrez, MD, Long Beach, CA  
- Psychological Adjustments and Societal Reintegration  
  Fatima Abrantes-Pais, MD, Oklahoma City, OK

**Recommended Audience:**  
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.

**3PC.003**
**Topic:** Critical Care/Trauma
**Core Competencies:** Medical Knowledge, Patient Care

**Neurologic Consultations in the ICU**

**CME Credits:** 3.5

**Director:** Cherylee Chang, MD, Honolulu, HI

**Program Description:**
Neurologists are often asked to evaluate, treat, and prognosticate after neurologic complications arise in patients in the medical, cardiac, and surgical ICU. Continuing advances in diagnostic modalities, medications, and understanding of the impact of active physiologic manipulation give the consulting neurologist a broader range of tools and therapies that can be offered to the critical care team. Faculty will focus on common reasons that a neurologist is consulted in the ICU and discuss evaluation, potential treatments and complications, and prognosis.

**Upon Completion:**
Participants should be aware of advances made in the evaluation and prognosis of coma; complications and etiologies for prolonged mechanical ventilation; treatment of intracranial hypertension, including indications for neurosurgical consultation; and neurologic causes, indications, and caveats of blood pressure control lowering or augmentation in the ICU.

**Lecture/Faculty:**
- Blood Pressure Management of Pathologic Perfusion States in the Brain and Spinal Cord
  Geoffrey S. F. Ling, MD, Bethesda, MD
- Management of Cerebral Edema and Intracranial Hypertension
  Cherylee Chang, MD, Honolulu, HI
- Weakness and Failure to Wean from the Ventilator
  Romergryko G. Geocadin, MD, Baltimore, MD
- Prognosis and Evaluation of Coma
  J. Javier Provencio, MD, Cleveland, OH
- Medical Complications After Subarachnoid Hemorrhage, Seizures, and Traumatic Brain Injury
  Cherylee Chang, MD, Honolulu, HI

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses

This program offers BASIC and ADVANCED knowledge.

---

P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.

**3PC.004**
**Topic:** Aging/Dementia/Degenerative Disease
**Core Competency:** Medical Knowledge, Patient Care

**Non-Alzheimer’s Dementia**

**CME Credits:** 3.5

**Director:** Daniel Kaufer, MD, FAAN, Chapel Hill, NC

**Program Description:**
Among neurodegenerative dementias, Alzheimer’s disease (AD) has been the primary focus of clinical and research interest; however, non-Alzheimer’s dementias such as Lewy body dementia (LBD) and frontotemporal degeneration (FTD) are commanding increased interest as distinct clinicopathologic entities. These disorders present unique challenges to clinicians and the families of affected individuals. Specific knowledge of the protean clinical manifestations, genetic risk factors, and neuroimaging correlates of these disorders will facilitate earlier clinical diagnosis and a systematic approach to clinical management of the varied clinical presentations of LBD and FTD.

**Upon Completion:**
Participants should become knowledgeable in the differential diagnosis, workup, and management of FTD and LBD, and become familiar with emerging research advances in the genetics and neuroimaging correlates of FTD and LBD that are likely to impact clinical practice.

**Lecture/Faculty:**
- Parkinsonian Dementias
  Daniel Kaufer, MD, FAAN, Chapel Hill, NC
- Neuroimaging of Non-AD Dementias
  Nicolaas I. Bohnen, MD, PhD, Ann Arbor, MI
- Neurogenetics of Non-AD Dementias
  Kirk C. Wilhelmsen, MD, PhD, Chapel Hill, NC
- Frontotemporal Dementias
  Bruce L. Miller, MD, San Francisco, CA

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

---

P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.

**3PC.005**
**Topic:** Neuromuscular Disease/Clinical Neurophysiology (EMG)
**Core Competencies:** Medical Knowledge, Patient Care

**Neuromuscular Junction Disorders**

**CME Credits:** 3.5

**Director:** Gil I. Wolfe, MD, FAAN, Dallas, TX

This program offers BASIC and ADVANCED knowledge.
Program Description:
Recent advances have enhanced the ability of clinicians to both diagnose and manage patients with myasthenia gravis and other disorders of neuromuscular transmission. Faculty will highlight clinical features, diagnostic techniques, and treatment approaches for myasthenia gravis in two of the four presentations. Clinical, laboratory features, and management of congenital myasthenic syndromes will be reviewed and updated in a separate lecture. Paraneoplastic issues as they relate to myasthenia gravis, Lambert-Eaton myasthenic syndrome, and other disorders of the neuromuscular junction will also be addressed.

Upon Completion:
Participants should become familiar with the presentation, diagnostic evaluation, and management of patients with myasthenia gravis and related disorders; learn to select therapies appropriate to the level of disease severity; and be able to recognize paraneoplastic issues related to disorders of neuromuscular transmission.

Lecture/Faculty:
- Diagnosis of Myasthenia Gravis
  Matthew N. Meriggioli, MD, Chicago, IL
- Treatment of Myasthenia Gravis
  Gil I. Wolfe, MD, FAAN, Dallas, TX
- An Overview of Congenital Myasthenic Syndromes
  C. Michael Harper, MD, FAAN, Rochester, MN
- Paraneoplastic Myasthenia and Related Neuromuscular Disorders
  Steven Vernino, MD, PhD, FAAN, Dallas, TX

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

---

Lecture/Faculty:
- Etiology of Childhood Stroke
  E. Steve Roach, MD, FAAN, Columbus, OH
- Neonatal Cerebrovascular Disorders
  Meredith R. Golomb, MD, Indianapolis, IN
- Therapeutic Issues in Childhood Stroke
  Warren D. Lo, MD, Columbus, OH

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
Dinner Seminar: 6:30 p.m.–9:30 p.m.

3DS.003

Topic: Aging/Dementia/Degenerative Disease

Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

Mild Cognitive Impairment: Implications for Clinicians

CME Credits: 2.5
Director: Ronald C. Petersen, PhD, MD, Rochester, MN

Program Description:
Faculty will cover clinical, biological, and treatment aspects of mild cognitive impairment (MCI). Controversies will be discussed and patient management issues covered. Cases will be discussed with the audience and faculty and exchange of opinions will be encouraged.

 Upon Completion:
Participants should gain a familiarity for the current clinical characterizations of MCI and its subtypes; understand the basic biological foundation for the disorder as well as treatment and management issues; and be able to exercise their diagnostic skills.

Lecture/Faculty:
• Clinical Overview of MCI
  Ronald C. Petersen, PhD, MD, Rochester, MN
• Biological Basis of MCI
  Steven T. DeKosky, MD, FAAN, Pittsburgh, PA
• Treatment Considerations in MCI
  Jody Corey-Bloom, MD, PhD, San Diego, CA
• Discussion of Cases
  Faculty

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians, Industry Representatives

This program offers BASIC and ADVANCED knowledge.

Dinner Seminar: 6:30 p.m.–9:30 p.m.

3DS.004

Topic: General Neurology/Neurology of Systemic Disease

Core Competency: Medical Knowledge

The Neurology of Famous Musicians and Composers

CME Credits: 2.5
Director: Jonathan Newmark, MD, FAAN, Falls Church, VA

Program Description:
Faculty will present a series of vignettes of musicians and composers and their neurologic conditions. The relationship of these conditions to the musical output of these men and women will form the theme of the presentations. Throughout the evening, participants will have the opportunity to hear live performances of music created by some of the composers discussed. Presentations will allow the audience to comment on the neurologic disorders of some famous musicians and how they may have affected the patients’ musical careers.

Upon Completion:
 Participants should be able to list neurologic conditions that affected a series of famous musicians and composers; understand the potential interactions between neurologic illness and a musician’s or composer’s ability to create musical art; appreciate the potential for aspects of composition and performance to be affected by specific neurologic disorders; and use case studies in the teaching of neurologic diagnosis and management to students and residents in neurology.

Lecture/Faculty:
• Music
  Phillip Pearl, MD, Washington, DC
• Neurologic Problems of Jazz Legends
  Phillip Pearl, MD, Washington, DC
• Neurologic Problems of Some Classical Composers and Musicians
  Jonathan Newmark, MD, FAAN, Falls Church, VA
• The Lightning Round
  Robert M. Pascuzzi, MD, FAAN, Indianapolis, IN

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Intraoperative Neurophysiologic Monitoring: Spinal Cord and Nerve Root Monitoring

CME Credits: 2.5
Director: Alan D. Legatt, MD, PhD, FAAN, Bronx, NY

Program Description:
Intraoperative neurophysiologic monitoring, often performed or supervised by a neurologist, is increasingly being used during operations in which portions of the nervous system are at risk. While some of the techniques used are similar to diagnostic electrophysiologic tests performed outside the operating room, there are important differences in the manner in which the tests are performed and the data are interpreted that personnel performing monitoring must understand. Recording of motor evoked potentials is a newer technique that is predominantly used in the operating room and presents additional challenges. The possible effects of the anesthetic regimen
intraoperative monitoring must be understood. In this program, faculty
will focus on the intraoperative monitoring techniques used to preserve
the integrity of the spinal cord and spinal nerve roots during spinal surgery,
specifically somatosensory evoked potentials, motor evoked potentials,
monitoring of spontaneous EMG activity, and recording of EMG in response
to stimulation within the surgical field.

Upon Completion:
Participants should be able to understand the electrophysiologic techniques
used for intraoperative monitoring of the spinal cord and spinal nerve
roots, including somatosensory evoked potentials, motor evoked potentials,
monitoring of spontaneous EMG activity, and recording of EMG in response
to stimulation within the surgical field; and should be able to understand the
purpose of these tests, technical aspects of performing the tests, possible
effects of the anesthetic regimen on the intraoperative monitoring, and the
ways in which the results are interpreted.

Lecture/Faculty:
• Somatosensory Evoked Potential Monitoring
  Aatif M. Husain, MD, Durham, NC
• Motor Evoked Potential Monitoring
  Alan D. Legatt, MD, PhD, FAAN, Bronx, NY
• EMG Monitoring
  Neil R. Holland, MB,BS, West Long Branch, NJ

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

Dinner Seminar: 6:30 p.m.–9:30 p.m.

3DS.006

Topics: Ethics/Professionalism; Headache/Other Pain Syndromes
Core Competencies: Interpersonal and Communication Skills, Medical
Knowledge, Patient Care, Practice-Based Learning and Improvement,
Professionalism, Systems-Based Practice

Advanced Palliative Care and Symptom
Management of Patients with ALS, Alzheimer’s
Disease, or Parkinson’s Disease

CME Credits: 2.5
Director: Jerome E. Kurent, MD, MPH, FAAN, Charleston, SC

Program Description:
Faculty will review and provide updates regarding state-of-the-art strategies
for managing patients with ALS, advanced Alzheimer’s disease, and advanced
Parkinson’s disease. Principles of palliative and hospice care will be discussed
as they apply to patients with severe life-limiting neurodegenerative
diseases. Specific evidence-based interventions unique to each of these three
neurodegenerative disorders will be discussed. Areas of controversy
regarding specific management strategies will be discussed, along with
evidence for and against utilization of such strategies. Use of ethical
guidelines for medical decision making will be discussed as it applies to
patients with loss of medical decision-making capacity. Use of disease-
specific instruments available to evaluate quality of life for patients with
ALS, advanced Alzheimer’s disease, and advanced Parkinson’s disease will be
discussed.

Upon Completion:
Participants should be able to describe and discuss principles of palliative
and hospice care, core principles for decision making at the end of life, and
evidence-based palliative care management strategies for patients with ALS,
Alzheimer’s disease, and Parkinson’s disease.

Lecture/Faculty:
• Evidence-Based Comprehensive Care of the ALS Patient: From Breaking
  Bad News to Management of Dyspnea, Sialorrhea, Pain, Cramps, and
  Depression (AAN Practice Parameter)
  Jerome E. Kurent, MD, MPH, FAAN, Charleston, SC
• Medical-Ethical Decision Making and Patient Autonomy: PEG Tubes,
  Withholding/Withdrawing Ventilatory Support; What if the ALS Patient
  Requests Physician-Assisted Suicide?
  Jerome E. Kurent, MD, MPH, FAAN, Charleston, SC
• Evidence-Based Comprehensive Care of the Patient with Advanced
  Alzheimer’s Disease: Anxiety, Delirium, Psychosis; Role of Hospice:
  Medical-Legal Issues; Are Bedsores Always Preventable?
  Janice E. Knoefel, MD, Albuquerque, NM
• Medical-Ethical Conflicts and Controversies: When Is the PEG Tube an
  Advisable Versus a Futile Intervention? Antibiotic Therapy for Patients
  with End-Stage Dementia; Is There a Role for Palliative Sedation, and How
  to Define
  Janice E. Knoefel, MD, Albuquerque, NM
• Comprehensive Management of the Patient with Advanced Parkinson’s
  Disease, with Focus on Motor Complications
  Vanessa K. Hinson, MD, PhD, Charleston, SC
• Quality-of-Life Issues, Family Caregivers, and How to Keep the Patient
  with Advanced Parkinson’s Disease Out of the Nursing Home: Focus on
  Management of Dementia and Psychosis
  Vanessa K. Hinson, MD, PhD, Charleston, SC

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians, Bioethicists

This program offers BASIC and ADVANCED knowledge.

Dinner Seminar: 6:30 p.m.–9:30 p.m.

3DS.007

Topics: Cerebrovascular Disease; Imaging; Spinal Cord/Nerve Root
Disorders
Core Competencies: Medical Knowledge, Systems-Based Practice

Neuroimaging Practicum: Acute Stroke,
Spine, and Difficult Cases

CME Credits: 2.5
Director: David S. Liebeskind, MD, Los Angeles, CA

Program Description:
Neurologists often make diagnostic and therapeutic decisions based on
their own review of neuroimaging studies. Triage of acute stroke, spine disorders, and other challenging clinical scenarios may be guided solely by neurologist expertise in the practical aspects of neuroimaging. Faculty will provide attendees with practical knowledge regarding how to interpret brain and spine neuroimaging studies in a systematic fashion, with a focus on multimodal CT/MRI in the setting of acute stroke and spine MRI. Topics discussed will include basic anatomy, common neuroimaging pathology seen in daily practice, neuroimaging techniques for specific clinical situations, and tips on dictating reports. Didactic aspects will be integrated into this hands-on program designed to enhance the practical skills of clinicians involved in acute stroke and neuroimaging on a daily basis. Interactive case discussions will demonstrate clinical pearls and answer questions unmet in the daily application of neuroimaging modalities.

Upon Completion:
Participants should gain knowledge in the clinical application of multimodal CT and MRI techniques for a broad spectrum of common neurologic disorders; demonstrate proficiency in acquisition/protocol selection; enhance interpretation of key and subtle features in acute stroke and spine disorders; and improve skills to effectively communicate results and translate these diagnostic findings into clinical practice.

Lecture/Faculty:
- Multimodal CT (CT/CT Angiography/CT Perfusion) of Acute Stroke
  David S. Liebeskind, MD, Los Angeles, CA
- Multimodal MRI (Diffusion-Perfusion) of Acute Stroke
  David S. Liebeskind, MD, Los Angeles, CA
- MRI of the Spine
  M. Albin Morariu, MD, FAAN, Delray Beach, FL
- Dictating Reports, Coding, and Reimbursement
  M. Albin Morariu, MD, FAAN, Delray Beach, FL
- Challenging Cases and Interactive Discussion
  Faculty

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

Upon Completion:
Participants should become familiar with the practical management of patients with suspected giant cell arteritis and get an update on diagnostic approaches and treatment options.

Lecture/Faculty:
- Giant Cell Arteritis: Case Presentations and Discussions
  Valerie Biousse, MD, Atlanta, GA
  Nancy J. Newman, MD, FAAN, Atlanta, GA

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

After-Dinner Seminar: 7:30 p.m.–10:30 p.m.

3AS.001
Topic: General Neurology/Neurology of Systemic Disease
Core Competencies: Medical Knowledge, Patient Care

Clinical Pearls in Bedside Neurology
CME Credits: 3.0
Director: Stephen G. Reich, MD, FAAN, Baltimore, MD

Program Description:
Despite major advances in imaging, neurophysiology, and molecular biology, much of the practice of neurology still hinges on the clinical assessment. Most neurologists were drawn to the field by the elegance, challenge, and excitement of bedside neurology. The purpose of this program is to improve bedside skills by introducing a series of clinical “pearls.” Faculty will use cases combined with video and photographs to demonstrate advanced bedside skills.

Upon Completion:
Participants should have additional skills to bring to the bedside in the evaluation of patients with dizziness, seizures, and neuromuscular and movement disorders; have a better appreciation of the vital and unaltering role of the neurologic examination; and be reconnected with the elegance, challenge, and thrill of bedside neurology.

Lecture/Faculty:
- Clinical Pearls: Dizziness
  David Solomon, MD, PhD, Baltimore, MD
- Clinical Pearls: Epilepsy
  Orrin Devinsky, MD, FAAN, New York, NY
- Clinical Pearls: Movement Disorders
  Stephen G. Reich, MD, FAAN, Baltimore, MD
- Clinical Pearls: Neuromuscular Disorders
  Robert M. Pascuzzi, MD, FAAN, Indianapolis, IN

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers ADVANCED knowledge.
**Brain Computer Interfaces: Frontiers in Neurology and Neuroscience**

**CME Credits:** 3.0  
**Director:** Leigh R. Hochberg, MD, PhD, Boston, MA

**Program Description:**

The past few years marked a revolution in neurology and neuroscience: the start of the first major clinical trials of direct brain-computer interfaces (BCIs) for persons with paralysis. Using real-time recordings from scalp-based or intracortically implanted electrodes, humans may now control an external device simply by modulating their cortical activity. Great hope exists that these technologies will provide new therapeutic, rehabilitative, and assistive strategies for persons with brainstem or subcortical stroke, spinal cord injury, ALS, limb loss, and other illnesses and injuries. These technologies could also provide novel insights into the mechanisms and management of epilepsy. In addition, methods for noninvasive stimulation of small cortical zones are being explored as strategies for neurorehabilitation and the management of mood disorders. Faculty will introduce neural interfaces and BCI technologies, describe their present and future clinical applications, indicate issues critical to success, and explore how neurologists and their patients can get involved in these exciting developments.

**Upon Completion:**

Participants should be familiar with the rapidly growing field of BCI research and development and be able to guide their patients who may benefit from BCIs.

**Lecture/Faculty:**

- EEG/ECoG-based BCIs for People with Little or No Motor Function  
  Jonathan R. Wolpaw, MD, Albany, NY
- Intracortically Based Brain Computer Interfaces for People with Paralysis, and Other Uses for Neural Interface Systems  
  Leigh R. Hochberg, MD, PhD, Boston, MA
- Defense Advanced Research Projects Agency’s (DARPA) Revolutionizing Prosthesis and Human-Assisted Neural Device Programs: Restoring American Casualties  
  Geoffrey S. F. Ling, MD, Bethesda, MD
- Transcranial Magnetic Stimulation and Transcranial Direct Current Stimulation  
  Alvaro Pascual-Leone, MD, PhD, Boston, MA

**Recommended Audience:**

Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

---

**Developing Neuroprotective Therapies**

**CME Credits:** 3.0  
**Director:** Paul S. Fishman, MD, PhD, Baltimore, MD

**Program Description:**

Much of the disability of neurodegenerative diseases derives from the vulnerability of neural tissue and its limited capacity for repair. A major goal of therapeutic development focuses on agents that can improve cell survival, so called neuroprotectants. Mechanisms of cell death have been intensively studied in neurodegenerative diseases such as Alzheimer’s disease, Parkinson’s disease (PD), and ALS. Faculty will present the status of and obstacles in the development of neuroprotective therapies for each of these conditions. The current view of the underlying basis of cellular injury will be reviewed along with preclinical experience with neuroprotectants in animal models. Faculty will present experience with clinical trials of putative neuroprotectants and other forms of disease-modifying therapies with a focus on trial design and outcomes and discuss how to apply preclinical and mechanistic knowledge for successful translation to useful therapeutics. Hypotheses of the pathogenesis of Alzheimer’s disease will be discussed as an introduction to the presentation of the current status of development of disease-modifying therapeutics. The history of development of neuroprotectants for PD will be reviewed in light of hypotheses of basic mechanisms of PD, such as oxidative injury and proteasomal dysfunction, and current strategies and trials. The mechanisms underlying cell death in ALS will be presented, followed by a discussion of preclinical studies with cellular and animal models of the outcomes of ALS-related clinical trials.

**Upon Completion:**

Participants should have a better understanding of the progress and obstacles toward developing effective disease-modifying treatments for neurodegenerative diseases; gain knowledge to help them evaluate the evidence supporting neuroprotective properties of available therapeutics as well as the status of those in development; learn how to counsel patients and families on these issues in an environment of rapidly expanding information; and gain an appreciation of the shared mechanisms, strategies, and obstacles to therapeutic developments in these diverse neurologic conditions.

**Lecture/Faculty:**

- Translation Toward Effective ALS Therapies  
  Robert H. Brown, Jr., MD, D.Phil, Charlestown, MA
- Disease-Modifying Treatments for Alzheimer’s Disease Faculty  
- Neuroprotectants for Parkinson’s Disease  
  Paul S. Fishman, MD, PhD, Baltimore, MD

**Recommended Audience:**

Practitioners, Fellows, Residents, Nurses, Academicians, Industry-Based Researchers

This program offers BASIC and ADVANCED knowledge.
After-Dinner Seminar: 7:30 p.m.–10:30 p.m.

3AS.004

Title: Neurogenetics/Neurometabolic Disorders/Neurotoxicology
Core Competency: Medical Knowledge

Heavy Metals and Neurology

CME Credits: 3.0
Director: Neeraj Kumar, MD, Rochester, MN

Program Description:
In the past century, “heavy metal neurology” was dominated by concerns related to arsenic poisoning, mercury poisoning, and lead toxicity. This prompted development of serum and urine heavy metal screens aimed at detecting these metals. In the past decade, many advances have been made in understanding the role of metals in various neurologic disorders. Industrial use of metals resulting in occupational exposure has led to increased public and scientific interest in toxic metals. The association between manganese exposure and parkinsonism has received considerable interest. Studies have attempted to address the question of whether welding is a risk factor for Parkinson’s disease. Included under neurodegenerative disorders associated with brain iron accumulation (formerly called Hallervorden-Spatz syndrome) are disorders like pantothenate kinase-associated neurodegeneration, neuroferritinopathy, and aceruloplasminemia. The role of iron deficiency in the pathogenesis of some cases of restless leg syndrome is an evolving story. It is now known that copper deficiency can cause a myelopathy that resembles the subacute combined degeneration seen with vitamin B₁₂ deficiency. Advances have been made in understanding the genetic basis of copper transport disorders like Wilson disease and Menkes disease. Lithium and drugs derived from arsenic (melarsoprol for trypanosomiasis, arsenic trioxide for acute promyelocytic leukemia) and platinum (cisplatin-based chemotherapy) have recognized neurotoxicity. Even though increased awareness of the toxic effects of lead has resulted in corrective measures, lead toxicity remains a concern in certain population groups. Potential exposure to mercury from dental amalgams and fish consumption has been a source of significant public health concern. In this program, faculty will address the above issues in a practical case-based format.

Upon Completion:
Participants should have a clear understanding of the relationship between welding, manganese, parkinsonism, and Parkinson’s disease; develop a clinical approach to disorders associated with brain iron accumulation; be able to recognize disorders like aceruloplasminemia, neuroferritinopathy, and copper deficiency myelopathy; be able to recognize the neurologic manifestations of arsenic, mercury, and lead toxicity; be able to interpret serum and urine heavy metal screens; and be aware of the available genetic testing for disorders associated with copper and iron metabolism.

Lecture/Faculty:
- Manganese-Related Neurologic Disease
  Keith A. Josephs, Jr., MD, Rochester, MN
- Copper-Related Neurologic Diseases
  Neeraj Kumar, MD, Rochester, MN

• Iron-Related Neurologic Disease
  Kapil D. Sethi, MD, FRCP (UK), FAAN, Augusta, GA
• Other Heavy Metals: Arsenic, Mercury, Lead, Others
  Neeraj Kumar, MD, Rochester, MN

Recommended Audience: Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

After-Dinner Seminar: 7:30 p.m.–10:30 p.m.

3AS.005

Title: Headache/Other Pain Syndromes
Core Competencies: Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

The Intractable Headache Patient

CME Credits: 3.0
Director: Todd D. Rozen, MD, Ann Arbor, MI

Program Description:
Headache is the most common neurologic complaint. Neurologists are no longer seeing the patient with episodic headache who is easy to treat; instead, they are seeing patients with chronic daily headache who have failed multiple abortive and preventive medications and in many instances are oversusing medication. The approach to the intractable headache patient is not taught in neurology residency programs and is not touched on in the typical headache lectures at national scientific meetings. Faculty will focus on the clinical approach to the difficult-to-treat headache patient. Faculty will lecture on the evaluation of the intractable headache patient (ruling out secondary causes); how to deal with medication overuse headache and detoxification strategies; inpatient and outpatient treatment strategies for intractable headache (including outpatient infusion therapy); the nonmedicinal approach to the intractable headache patient, including anesthesiologic blockade and neurostimulator placement; and treatment of intractable migraine and trigeminal autonomic cephalalgias using case-based learning.

Upon Completion:
Participants should be able to properly evaluate the intractable headache patient for secondary causes; recognize and treat medication overuse headache, including using proper detoxification strategies; employ specific outpatient and inpatient treatment strategies for the difficult-to-treat headache patient; recognize headache patients who could benefit from anesthesiologic blockade and/or neurostimulator placement and suggest appropriate procedures; and have the clinical skills to treat patients with intractable migraine and trigeminal autonomic cephalalgia headache after discussion of clinical cases.

Lecture/Faculty:
- Evaluating the Intractable Headache Patient
  William B. Young, MD, Philadelphia, PA
- Medication Overuse Headache and Detoxification Strategies
  Joel R. Saper, MD, FAAN, Ann Arbor, MI
• Specific Inpatient and Outpatient Treatment Strategies for the Intractable Headache Patient
  Stephen D. Silberstein, MD, FAAN, Philadelphia, PA
• Nonmedicinal Treatment Strategies for the Intractable Headache Patient
  (Anesthesiologic and Neurosurgical Approaches)
  Peter Gooddy, MD, PhD, London, United Kingdom
• Treating the Refractory Migraine Patient
  David W. Dodick, MD, Scottsdale, AZ
• Treating the Refractory Trigeminal Autonomic Cephalalgia Patient
  Todd D. Rozen, MD, Ann Arbor, MI

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

After-Dinner Seminar: 7:30 p.m.–10:30 p.m.

3AS.006

Topics: Cognitive Neurology/Neurological Disorders Presenting with Psychiatric Symptoms; Movement Disorders
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

Hallucinations and Psychosis in Parkinson’s Disease: Pathophysiology and Practical Management
CME Credits: 3.0
Director: Nico J. Diederich, MD, Luxembourg, Luxembourg

Program Description:
Faculty will review and update participants on hallucinations and psychosis in Parkinson’s disease. The broad phenomenologic spectrum ranges from vivid dreams to well-formed visual hallucinations to the sensation of an extracampine presence or even a Capgras syndrome. In addition to the dopaminergic medication visual impairment, cognitive deficits, and sleep abnormalities, there are other contributing factors. Neuroimaging gives new clues concerning the cerebral areas involved in the generation of hallucinations. Therapeutic strategies include new atypical neuroleptics, cholinesterase inhibitors, and coping strategies. Faculty will illustrate the topic with case discussions.

Upon Completion:
Participants should become familiar with the whole panoply of these psychiatric phenomena, understand the multidimensional pathogenesis, and be able to use integrated treatment strategies.

Lecture/Faculty:
• Pathophysiology: An Incomplete Jigsaw?
  Nico J. Diederich, MD, Luxembourg, Luxembourg
• Neuroimaging: A Flickering Brain?
  Glenn T. Stebbins, PhD, Chicago, IL
• Phenomenology: From the Man Behind Me to the Vatican Complot
  Gilles Feneon, MD, Créteil, France
• Treatment: Just Atypical Neuroleptics?
  Christopher Goetz, MD, FAAN, Chicago, IL

• Case Presentation 1: What About the Cat Running on My Side?
  Extracampine Hallucinations
  Gilles Feneon, MD, Créteil, France
• Case Presentation 2: The Devil Has Entered My Life: Hallucinations with Paranoia
  Christopher Goetz, MD, FAAN, Chicago, IL
• Case Presentation 3: Do I Have a Second Spouse? The Capgras Syndrome
  Nico J. Diederich, MD, Luxembourg, Luxembourg

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

After-Dinner Seminar: 7:30 p.m.–10:30 p.m.
3AS.007

Topic: Epilepsy/Clinical Neurophysiology (EEG)
Core Competencies: Medical Knowledge, Patient Care

Epilepsy Case Studies
CME Credits: 3.0
Director: Michael R. Sperling, MD, FAAN, Philadelphia, PA

Program Description:
The development of new medical and surgical treatments has impacted the therapy for epilepsy. Through presentations of common and challenging cases, some of which will be accompanied by video-EEG, faculty will facilitate a discussion of differential diagnosis and management with participants.

Upon Completion:
Participants should become familiar with differential diagnosis of paroxysmal disorders and use of diagnostic testing, and gain knowledge about new aspects of medical and surgical management of epilepsy.

Lecture/Faculty:
• Epilepsy Cases
  Dennis J. Dlugos, MD, Philadelphia, PA
  William E. Rosenfeld, MD, FAAN, Chesterfield, MO
  Michael R. Sperling, MD, FAAN, Philadelphia, PA

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.
After-Dinner Seminar: 7:30 p.m.–10:30 p.m.

3AS.008

**Topic:** Neuromuscular Disease/Clinical Neurophysiology (EMG)

**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice

**How to Test the Autonomic Nervous System**

**CME Credits:** 3.0

**Director:** Max Josef Hilz, MD, PhD, FAAN, Erlangen, Germany

**Program Description:**
Primary or secondary disorders of the autonomic nervous system (ANS) are manifold and widespread among neurologic, internal, and other diseases but still frequently remain undiagnosed despite their impact on quality of life and even life expectancy of patients. Faculty will provide knowledge about simple, easily applied ANS bedside tests and their clinical applicability, pitfalls, and limitations and will convey how to avoid misinterpretation or overinterpretation of these tests. More technically demanding ANS testing procedures and their utility will be mentioned briefly.

**Upon Completion:**
Participants should learn how to diagnose sympathetic and parasympathetic cardiovascular, cerebrovascular, and sudomotor dysfunction by means of noninvasive bedside tests without the need for expensive or complicated technical equipment; be able to avoid overinterpretation and reject simplified conclusions frequently provided by commercially available computerized equipment; and receive interactive training of ANS testing procedures in order to recognize possible pitfalls and to acquire adequate skills to identify ANS dysfunction and assure further, more detailed evaluation when necessary.

**Lecture/Faculty:**
- How to Test the Autonomic Nervous System
  - Thomas C. Chelimsky, MD, FAAN, Cleveland, OH
  - Max Josef Hilz, MD, PhD, FAAN, Erlangen, Germany
  - Ronald Schondorf, MD, Montreal, QC, Canada

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians, Students

This program offers **BASIC knowledge.**
**60th Anniversary Run/Walk for Research**
6:30 a.m.–8:30 a.m.

The AAN is bringing back the popular run from years past! The 5k run has been re-energized and now includes a one mile walk. The beautiful Lake Michigan lakeshore provides the perfect backdrop—and it doesn’t matter if you’re an occasional or seasoned runner, or just enjoy a walk. The race is open to all meeting attendees and their families.

An exercise expert will offer a brief limber-up workout immediately prior to the start and refreshments will be available following the race.

The registration fee of $25 will benefit the Clinical Research Training Fellowships.

Bus service to and from the race site will be provided from official AAN hotels. For registration and details visit www.aan.com/go/am or contact AAN Member Services at 800-879-1960 (International: (651) 695-2717).

**Palatucci Advocacy Action Planning Roundtable**
7:00 a.m.–9:30 a.m.

For the third year in a row, the Action Planning Roundtable returns to provide graduates a chance to share with their peers the challenges and successes they’ve encountered while implementing their action plans. Graduates from any year are encouraged to attend.

**Poster Session I**
7:00 a.m.–10:00 a.m.

**Presidential Plenary Session**
9:00 a.m.–12:00 p.m.
McCormick Place West, Ballroom

**Lectures include:**

- Presidential Lecture
  “The Mirror Neuron System”
  Giacomo Rizzolatti, MD
  University of Parma, Parma, Italy

- Robert Wartenberg Lecture
  “Molecular Pathogenesis of Genetic Epilepsies Associated with GABA_A Receptor Mutations”
  Robert L. Macdonald, MD, PhD, FAAN
  Vanderbilt University, Nashville, TN

**George C. Cotzias Lecture**
“The Dynamics of Neural Stem and Progenitor Cells in Cortical Development”
Arnold R. Kriegstein, MD, PhD
University of California, San Francisco, CA

**Sidney Carter Award in Child Neurology**
“Leukoencephalopathies: From MRI Patterns to Disease Genes and Beyond”
Marjo van der Knaap, MD, PhD
VU University Medical Center, Amsterdam, Netherlands

**Get Involved in Your Academy**
Stay for the AAN annual Business Meeting immediately following the final lecture to find out the latest on Academy business and information.

**Poster Session II**
11:30 a.m.–2:30 p.m.

**Exhibits**
11:30 a.m.–5:00 p.m.
Complimentary luncheon: 12:00 p.m.–2:00 p.m.
McCormick Place West, Hall F

See the latest in pharmaceutical products, medical equipment, publications, and products to assist with practice management, teaching methods, and research activities. A prize drawing will be held at 1:30 p.m. Prizes include future Annual Meeting registration and hotel room credits.

**Level I Certification for the NINDS Clinical Research Collaboration**
1:00 p.m.–3:00 p.m.

The NINDS Clinical Research Collaboration (CRC) is designed to connect patients, their physicians, and communities to high-quality research. Faculty will provide participants with basic research training required as a first step to participation in NINDS-sponsored research through the CRC. Participants will be presented with a provocative review of ethical issues faced when conducting research involving human subjects and will be presented with the essentials of performing research using Good Clinical Practices (GCP). Specific information on the steps needed to connect you and your patients to NINDS-sponsored research through the CRC will be provided. Free to all meeting registrants.

**EHR Chart Challenge**
McCormick Place West, Hall F
1:00 p.m.–4:00 p.m.

Six electronic health record (EHR) vendors will demonstrate a typical, neurology-specific scenario, allowing the audience to make their own product comparisons.
Scientific Program: Integrated Neuroscience: Autism
1:00 p.m.–5:00 p.m.

Provides in-depth subspecialty concentration around a topic using a combination of presentations, such as scientific sessions, case studies, short poster talks, discussions, invited lecturers, and poster sessions.

Scientific Platform Sessions
2:00 p.m.–3:30 p.m.
3:45 p.m.–5:00 p.m.

Poster Session III
4:00 p.m.–7:30 p.m.

Hot Topics Plenary Session
5:15 p.m.–6:15 p.m.
McCormick Place West, Ballroom

This session highlights important and interesting abstracts presented at subspecialty meetings leading up to the Annual Meeting that are not on the program but should be heard by a wide audience at the Annual Meeting. Lecturers and topics will be identified in January 2008. Topics are selected by the AAN Science Committee and AAN Scientific Program Subcommittee.

Corporate Therapeutic Updates
7:30 p.m.–10:00 p.m.

These industry sponsored, non-CME programs are open to attendees and provide an opportunity for pharmaceutical companies, device companies, or other appropriately-related organizations to share information regarding their current therapies and projects in the pipeline in accordance with standards set for industry by the FDA.
Breakfast Seminar: 6:45 a.m.–8:30 a.m.

4BS.001

Topics: Movement Disorders; Sleep Disorders
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

Introduction to the Evaluation and Therapy of Restless Legs Syndrome and Periodic Limb Movements in Sleep

CME Credits: 1.5
Director: Michael H. Silber, MB, ChB, FAAN, Rochester, MN

Program Description:
Restless legs syndrome is one of the most common neurologic disorders. Faculty will present a practical approach to the clinical assessment and pharmacologic management of the disorder. Recent advances in treatment will be discussed, including a practical treatment algorithm. The presentations will include consideration of diagnostic and therapeutic dilemmas.

Upon Completion:
Participants should be able to diagnose restless legs syndrome and differentiate it from other disorders; describe the appropriate investigation of a patient with restless legs syndrome; and discuss the management of patients with different grades of severity of the disorder.

Lecture/Faculty:
• The Evaluation of Restless Legs Syndrome and Periodic Limb Movements in Sleep
  William G. Ondo, MD, Houston, TX
• The Management of Restless Legs Syndrome and Periodic Limb Movements in Sleep
  Michael H. Silber, MB, ChB, FAAN, Rochester, MN

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

4BS.002

Topics: Cerebrovascular Disease; Critical Care/Trauma
Core Competencies: Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Professionalism

Ethical Dilemmas in the ICU

CME Credits: 1.5
Director: Alejandro A. Rabinstein, MD, Rochester, MN

Program Description:
Neurologists frequently encounter ethical dilemmas when caring for patients with critical brain damage. These clinical problems have also acquired enormous public exposure through the media. In this program, faculty will discuss crucial topics, such as withdrawal of life-sustaining measures, and the challenges of communicating with families of severely ill neurologic patients using practical presentations and fluent interaction with the participants.
Upon Completion:
Participants should improve their understanding of the concept of futility of care, learn the reach and limits of prognostication in patients with critical brain injury, recognize the risk of creating a self-fulfilling prophecy when predicting a poor prognosis, and acquire new skills to communicate with families when discussing possible withholding or withdrawing of life-sustaining measures.

Lecture/Faculty:
- Decisions to Forgo Life-Sustaining Treatment in ICUs
  Douglas White, MD, San Francisco, CA
- Withdrawal of Care in Acute Neurologic Disease: Self-Fulfilling Prophecies
  Michael N. Drinker, MD, Saint Louis, MO
- Withdrawal of Life Support in Acute Neurologic Disease: Futile Care
  Alejandro A. Rabinstein, MD, Rochester, MN

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers ADVANCED knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

4BS.004
Topics: Cerebrovascular Disease; Practice
Core Competencies: Medical Knowledge, Practice-Based Learning and Improvement, Systems-Based Practice

Incorporate Practice Guidelines and Patient Safety Measures into Your Stroke Practice
CME Credits: 1.5
Director: David Z. Wang, DO, Peoria, IL

Program Description:
Faculty will present the following important day-to-day stroke patient care issues: National Patient Safety Goals, JCAHO-mandated measurements on quality stroke care, Center for Medicare & Medicaid Services (CMS)-initiated pay-for-performance issues, and steps participants can take to practice quality stroke care.

Upon Completion:
Participants should be able to learn the updated National Patient Safety Goals for all patients; the patient safety issues pertaining to treatment of stroke patients; JCAHO-mandated stroke care measurement items; the nine CMS-mandated quality-care measurement items; ways to implement process-improvement programs to eliminate errors; and how to incorporate the guidelines into their practices and be an evidence-based practitioners.

Lecture/Faculty:
- Welcome and Overview of Stroke Quality Care Issues
  David Z. Wang, DO, Peoria, IL

- Implementing Physician Quality Reporting Initiatives
  Richard M. Dubinsky, MD, FAAN, MPH, Kansas City, KS
- Using Guidelines to Help Stroke Care
  Seemant Chaturvedi, MD, FAAN, Detroit, MI

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers ADVANCED knowledge.

Luncheon Seminar: 12:00 p.m.–1:30 p.m.

4LS.001
Topic: Practice
Core Competencies: Practice-Based Learning and Improvement, Systems-Based Practice

E/M: Minimize Mistakes, Maximize Reimbursement
CME Credits: 1.5
Director: Mary H. McDermott, Baltimore, MD

Program Description:
Correct coding of patient visits is mandatory but arcane. Routine undercoding, practiced by most neurologists, is incorrect and unrewarding. Faculty will review correct coding guidelines developed by the AAN’s Medical Economics and Management Subcommittee and lead interactive discussion of proper coding in common circumstances.

Upon Completion:
Participants should be able to appropriately code patient visits and be much more confident in coding and billing for complex services.

Lecture/Faculty:
- E/M: Evaluation and Management Services: Coding and Documentation Requirements
  Mary H. McDermott, Baltimore, MD
- Flavored Documentation: Prepare for the Audit
  Jerzy P. Szafiarski, MD, PhD, Cincinnati, OH

Recommended Audience:
Practitioners, Fellows, Residents

This program offers BASIC knowledge.
Luncheon Seminar: 12:00 p.m.–1:30 p.m.

4LS.002
Topics: Cerebrovascular Disease; Practice
Core Competencies: Medical Knowledge, Patient Care, Systems-Based Practice

Telemedicine Increases Options for Successful Stroke Treatment: Nuts and Bolts
CME Credits: 1.5
Director: Steven R. Levine, MD, FAAN, FAHA, New York, NY

Program Description:
Telemedicine can enhance stroke management and use of thrombolytic therapy. Faculty will review the basics of telestroke and the application of telemedicine to stroke; discuss various models of telestroke care; and review data to date on the ability of telestroke to increase use of t-PA and improve patient outcomes. Faculty will discuss how telestroke can help community hospitals serve as primary stroke centers as well as discuss current reimbursement issues. Sample telestroke video clips will also be presented. Active participant discussion is expected.

Upon Completion:
Participants should be familiar with the concept of telemedicine in general and in stroke, specifically, as well as the various approaches and systems currently being used. Participants should also be familiar with the data supporting the use of telestroke and the nuts and bolts of employing a telestroke system at a community hospital.

Lecture/Faculty:
• Introduction to Telestroke
  Steven R. Levine, MD, FAAN, FAHA, New York, NY
• Telestroke: Clinical and Financial Models, Primary Stroke Centers, and Beyond
  Steven R. Levine, MD, FAAN, FAHA, New York, NY
• Nuts and Bolts of Starting a Telestroke Program
  Steven H. Rudolph, MD, Brooklyn, NY
• Telestroke Video Clips
  Steven H. Rudolph, MD, Brooklyn, NY

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.

4PC.001
Topics: Imaging: Spinal Cord/Nerve Root Disorders
Core Competencies: Medical Knowledge, Patient Care

Spine Neuroimaging: Clinical-Radiologic Correlation
CME Credits: 3.5
Director: Laszlo Mechtler, MD, Buffalo, NY

Program Description:
Disorders reviewed will include degenerative and neoplastic disease of the spine as well as vascular, inflammatory, and infectious diseases of the spine. Faculty will present interactive case studies to the participants.

Upon Completion:
Participants should achieve experience in acquiring and interpreting MRI in common neurologic disorders affecting the spine; recognize imaging characteristics of degenerative and nondegenerative diseases of the spine (neuroimaging pearls); and become familiar with utilization of neurodiagnostic testing in spine disease and its cost-effectiveness.

Lecture/Faculty:
• Demyelinating and Inflammatory Diseases of the Spine
  Rohit Bakshi, MD, FAAN, Boston, MA
• Degenerative Diseases of the Spine I
  Richard B. Kasdan, MD, Pittsburgh, PA
• Degenerative Diseases of the Spine II
  Mircea A. Morariu, MD, West Palm Beach, FL
• Spine Tumors
  Laszlo Mechtler, MD, Buffalo, NY
• Interesting Case Studies of the Spine
  Faculty

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.

4PC.002
Topic: Epilepsy/Clinical Neurophysiology (EEG)
Core Competencies: Medical Knowledge, Patient Care, Systems-Based Practice

Video-EEG Monitoring in the Neurologic Practice: Tools, Techniques, and Applications
CME Credits: 3.5
Director: Elson L. So, MD, FAAN, Rochester, MN

Program Description:
An increasing number of neurologic practices are using video-EEG recordings. The advent of digital video and EEG recordings has expanded the usefulness of the procedure beyond epilepsy monitoring, but it has
also introduced complex issues related to appropriate clinical indications, acceptable patient safety, and proper recording environments, equipment, and techniques. Faculty will address the ideal design, staffing, and equipment for video-EEG recording in different patient care settings. Equal emphasis will be placed on methods for optimizing the recording techniques and skills for interpreting video-EEG data.

Upon Completion:
Participants should be able to identify the elements in video-EEG equipment, environment, and staffing that are essential for practice efficiency and patient safety; determine the appropriate indications for video-EEG recording in adults and children; adapt equipment and techniques to different physical settings and for various clinical disorders; and apply principles and skills for interpreting and integrating video-EEG data with other clinical and laboratory data.

Lecture/Faculty:
- Efficiency and Safety in the Video-EEG Monitoring Unit: Design, Equipment, and Staffing
  Frank G. Gilliam, MD, MPH, New York, NY
- Nailing Down Spells in Adults: How to Analyze Video and EEG Data
  Elson L. So, MD, FAAN, Rochester, MN
- Video-EEG Analysis of Spells in Children: Tools, Techniques, and Applications
  Jeffrey R. Buchhalter, MD, FAAN, Phoenix, AZ
- Video-EEG in the Intensive Care Unit: The Whens and Hows
  Susan T. Herman, MD, Philadelphia, PA

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.

4PC.003
Topics: Ethics/Professionalism; Practice
Core Competencies: Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Professionalism

Ethical Controversies in Neurologic Practice
CME Credits: 3.5
Director: Michael A. Williams, MD, FAAN, Baltimore, MD

Program Description:
The field of neurology is at the leading edge in terms of ethical challenges in daily practice. How should neurologists respond to requests for treatments that appear to have no benefit or that are intended to enhance normal function instead of treat symptoms or disease mechanisms? Should dying patients be permitted to donate their vital organs (the removal of which would result in death) before being declared dead in order to maximize the number and quality of the organs donated? Faculty will present controversies in therapeutic and nontherapeutic interventions for neurologically impaired children; requests for neurologic enhancement versus therapy in adults; a challenge to the dead donor rule for organ donation; and an ethical and physiologic defense of the dead donor rule. Ample time for questions, answers, and ethical discourse will be allotted to each presentation.

Upon Completion:
Participants should be able to describe the principles for moral analysis and justification for decisions to accept or refuse parental requests for either therapeutic or nontherapeutic interventions; recognize the boundaries of enhancement and therapy and develop an ethical framework for responding to requests from patients; and understand both the moral and prudential arguments for abandoning the dead donor rule for donating vital organs and the physiologic, legal, and ethical frameworks that support the dead donor rule.

Lecture/Faculty:
- Cognitive Stimulants and Ethical Principles to Guide Their Use
  William P. Cheshire, Jr., MD, FAAN, Jacksonville, FL
- The Limits of Therapeutic and Nontherapeutic Interventions for Children with Neurologic Impairment
  Lainie Ross, MD, PhD, Chicago, IL
- Why Neurologists Should Call for Abandonment of the Dead Donor Rule
  Thomas I. Cochrane, MD, MBA, North Andover, MA
- It’s More Than Pedantic: Why the Dead Donor Rule Matters
  Michael A. Williams, MD, FAAN, Baltimore, MD

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.

4PC.004
Topics: Aging/Dementia/Degenerative Disease; General Neurology/Neurology of Systemic Disease; Women’s Issues
Core Competency: Medical Knowledge

Menopausal/Andropausal Neurology
CME Credits: 3.5
Director: Andrew G. Herzog, MD, MSc, FAAN, Boston, MA

Program Description:
With the attainment of middle years by the largest segment of our society, the baby boomers, increasing attention is being paid to the impact of menopause and andropause on the development, natural history, prevention, and treatment of a wide range of potentially disabling neurologic disorders, including epilepsy, dementia, stroke, migraine, and sleep disorders. The latest basic science and clinical knowledge of the role of midlife reproductive hormonal changes in the pathophysiology of these disorders and the potential risks and benefits of hormonal replacement will be presented. Abundant time will be available for discussions of the topics and cases presented by the faculty and solicited from participants.

Upon Completion:
Participants should be familiar with the reproductive hormonal underpinnings of changes that occur in the development and natural history of neurologic disorders as a result of menopause and andropause as well as the risks and benefits of reproductive hormonal replacement treatment.
Tuesday, April 15

Lecture/Faculty:
- Overview; Epilepsy
  Andrew G. Herzog, MD, MSc, FAAN, Boston, MA
- Dementia
  Victor W. Henderson, MD, FAAN, Stanford, CA
- Stroke
  Cathy A. Sila, MD, FAAN, Cleveland, OH
- Migraine
  Robert Cowan, MD, FAAN, Pasadena, CA
- Sleep Disorders
  Christian Guilleminault, MD, Stanford, CA

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.

4PC.005
Topics: Cognitive Neurology/Neurological Disorders Presenting with Psychiatric Symptoms; General Neurology/Neurology of Systemic Disease
Core Competencies: Medical Knowledge, Practice-Based Learning and Improvement

Psychiatry for the Neurologist
CME Credits: 3.5
Director: Randolph B. Schiffer, MD, FAAN, Lubbock, TX

Program Description:
Primary behavioral syndromes account for up to one quarter of ambulatory neurology clinic visits and function as comorbid modifiers for another quarter of ambulatory visits. Inevitably, neurologists are faced with recognizing and diagnosing these psychiatric syndromes and, in some cases, providing initial treatments for them. Faculty will review diagnostic and treatment issues for the three most common psychiatric syndromes that occur in general neurology clinical settings: depression, somatoform disorders, and character disorders. Participants are encouraged to bring case examples of problem behaviors from their practices for the case studies portion of the program.

Upon Completion:
Participants should be familiar with an algorithm for the diagnosis and treatment of mild to moderate depression in neurologic settings; be familiar with diagnostic criteria and treatment approaches for the somatoform disorders; and have enhanced sensitivity to character disorder behaviors as manifested in nonpsychiatric settings.

Lecture/Faculty:
- Depression
  Randolph B. Schiffer, MD, FAAN, Lubbock, TX
- Case Studies
  Faculty

Recommended Audience:
Practitioners, Residents

This program offers BASIC and ADVANCED knowledge.
**Poster Session IV**
7:00 a.m.–10:00 a.m.

**Contemporary Clinical Issues and Case Studies Plenary Session**
9:00 a.m.–12:00 p.m.
McCormick Place West, Ballroom
Moderator: Stefan M. Pulst, MD, FAAN, Chair, Science Committee and Scientific Program Subcommittee

Highlights issues most critical to practicing neurologists, including abstracts related to new therapeutic developments, clinical applications of basic and translational research, and innovative technical developments. In addition to the Contemporary Clinical Issues discussion, a case study format addresses topics of interest. Commentary and discussion follow each presentation. Lecturers and topics will be identified in January 2008.

---

**American Academy of Neurology & American Academy of Neurology Foundation Awards Luncheon**
12:00 p.m.–1:30 p.m.
McCormick Place West, Ballroom

Join AAN leaders as they honor the recipients of the 2008 AAN Awards. From enterprising high school students to world-renowned researchers, this program recognizes some of the top accomplishments in neuroscience research. Past recipients of the Public Leadership in Neurology Award include Dame Julie Andrews, Academy Award-winning actress and supporter for Huntington’s Chorea and the Hereditary Disease Foundation; Cuba Gooding, Jr., actor and supporter for MS research; Leeza Gibbons, television and radio journalist and advocate for people with Alzheimer’s disease; famed concert pianist and conductor Maestro Leon Fleischer, who continues to perform despite living with dystonia; Mayo Clinic researcher Anthony Windebank, MD; and actor/advocate for Parkinson’s disease research, Michael J. Fox.

Tickets are available for $40. Medical students and Junior members of the AAN may attend this event at no cost by requesting a ticket. Buy a ticket and show your support for award recipients.

**Reserve a Department Table and Be Recognized**

Bring your department together and gain exposure for your team at the Awards Luncheon by reserving a department table. Give your residents and fellows the chance to sit together with department faculty and chairs in a place of honor amongst the top minds in the neurology/neuroscience academic community. To reserve a department table, download the form at www.aan.com/go/am. If you have questions about reserving a department table, contact Sue Rodmyre at srodmyre@aan.com or (651) 695-2725. Registration for the Awards Luncheon will open in late October 2007.

---

**Scientific Program: Integrated Neuroscience: Genetics of Epilepsy**
2:00 p.m.–6:00 p.m.

Provides in-depth subspecialty concentration around a topic using a combination of presentations, such as scientific sessions, case studies, short poster talks, discussions, invited lecturers, and poster sessions.

**Scientific Platform Sessions**
2:00 p.m.–3:30 p.m.
3:45 p.m.–5:00 p.m.

**Poster Session V**
4:00 p.m.–7:00 p.m.

**Exhibits**
1:30 a.m.–5:00 p.m.
Complimentary luncheon: 12:00 p.m.–2:00 p.m.
McCormick Place West, Hall F

See the latest in pharmaceutical products, medical equipment, publications, and products to assist with practice management, teaching methods, and research activities. A prize drawing will be held at 1:30 p.m. Prizes include future Annual Meeting registration and hotel room credits.

**Controversial Issues in Practice session**
5:00 p.m.–7:00 p.m.

This session will highlight a hot topic in the practice of neurology. Topic to be determined at a later date.
**Breakfast Seminar: 6:45 a.m.–8:30 a.m.**

**5BS.001**

**Topic:** Research/Education  
**Core Competencies:** Medical Knowledge, Practice-Based Learning and Improvement, Professionalism

---

**Clinical Grant Writing**

**CME Credits:** 1.5  
**Director:** Bernard M. Ravina, MD, Rochester, NY

**Program Description:**
Faculty will discuss the nuts and bolts of putting together a clinical research application to NIH, the basic components of a successful clinical trial grant application, and the basics of the NIH review process. The focus will be on clinical trials, but other types of studies, such as large genetic or epidemiologic studies, will also be discussed. The different grant mechanisms available to support clinical studies will be reviewed, with special attention to the NINDS programs. Faculty will discuss appropriate hypotheses and questions for clinical trial applications and strategies for successful grant writing. This program is oriented toward the junior investigator.

**Upon Completion:**
Participants should know the basics of writing an NIH grant, the components of a clinical trial grant application, and the NIH grant review process.

**Lecture/Faculty:**
- Clinical Grant Writing  
  Katrina A. Gwinn, MD, Bethesda, MD  
  Claudia May, Bethesda, MD  
  Bernard M. Ravina, MD, Rochester, NY

**Recommended Audience:**
Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

---

**Breakfast Seminar: 6:45 a.m.–8:30 a.m.**

**5BS.002**

**Topic:** Neuro-ophthalmology/Neuro-otology  
**Core Competency:** Medical Knowledge

---

**Nystagmus: An Organized Approach**

**CME Credits:** 1.5  
**Director:** Steven Galetta, MD, FAAN, Philadelphia, PA

**Program Description:**
Faculty will provide a basic and practical approach to the bedside diagnosis and management of nystagmus. In the first part of the program, faculty will review basic eye movement systems and nystagmus of PNS origin. In the second half of the program, faculty will discuss cases of central nystagmus, emphasizing those forms of nystagmus with localizing value.

**Upon Completion:**
Participants should be familiar with the differential diagnosis and management of the common forms of pendular and jerk nystagmus.

---

**Breakfast Seminar: 6:45 a.m.–8:30 a.m.**

**5BS.003**

**Topic:** Cognitive Neurology/Neurological Disorders Presenting with Psychiatric Symptoms  
**Core Competencies:** Medical Knowledge, Patient Care

**Program Description:**
Much of the human brain is dedicated to social behavior. Faculty will provide an update on the neuroscience of social behavior and related topics, such as the perception of others, empathy, theory of mind, morality, and the role of mirror neurons. Faculty will include a translation of these findings to the practice of neurology.

**Upon Completion:**
Participants should be able to understand the importance of social behavior as a product of the brain, the basic organization and general anatomy of social behavior, and the specific diseases that particularly impair social functions.

**Lecture/Faculty:**
- The Neurology of Social Behavior  
  Mario F. Mendez, MD, PhD, FAAN, Los Angeles, CA

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

---

**Breakfast Seminar: 6:45 a.m.–8:30 a.m.**

**5BS.004**

**Topic:** Epilepsy/Clinical Neurophysiology (EEG)  
**Core Competencies:** Medical Knowledge, Patient Care

**Recognition and Management of the Many Types of Status Epilepticus**

**CME Credits:** 1.5  
**Director:** Frank Drislane, MD, FAAN, Boston, MA
Program Description:
Status epilepticus appears in many forms that can be difficult to distinguish from one another and from nonepileptic conditions. Different syndromes of status epilepticus vary in causes, manifestations, and prognoses, and appropriate treatment depends on identifying the correct type or syndrome of status. Faculty will review many forms of status epilepticus, including generalized convulsive, myoclonic, tonic, and epilepsy partialis continua. Unusual presentations of nonconvulsive status epilepticus (NCSE), diagnostically difficult EEGs, and measured treatment of NCSE will be reviewed, along with the detection, EEG monitoring, and aggressive treatment of the particularly refractory status epilepticus often found in ICUs.

Upon Completion:
Participants should be able to recognize the many forms of status epilepticus, including unusual ones, and how to diagnose and treat them appropriately; appreciate the varied presentations of NCSE, its EEG manifestations (and mimics), and a reasonable approach to management; and become familiar with ICU monitoring, detection, and treatment of refractory status epilepticus, including use of aggressive therapy when warranted.

Lecture/Faculty:
- The Many Forms of Status Epilepticus: Clinical Manifestations, Etiology, and Prognosis
  Frank Drislane, MD, FAAN, Boston, MA
- Nonconvulsive Status Epilepticus: Subtle Presentations and Controversial EEGs
  Peter W. Kaplan, MBBS, FRCP, FAAN, Baltimore, MD
- Monitoring and Treatment of Refractory Status in the ICU
  Susan T. Herman, MD, Philadelphia, PA

Recommended Audience:
Practitioners, Fellows, Residents, Academicians, Intensivists

This program offers BASIC and ADVANCED knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

5BS.005
Topic: Research/Education
Core Competency: Professionalism

Editor’s Seminar: Tips for Writing and Reviewing in Neurology®
CME Credits: 1.5
Director: John H. Noseworthy, MD, FAAN, Rochester, MN

Program Description:
Editors of Neurology® will present helpful tips and lead an interactive discussion highlighting steps to assist participants in writing superb manuscripts and effective peer reviews for the journal. Journal staff will offer participants multiple examples to assist them both as future authors and reviewers.

Upon Completion:
Participants should understand more completely what editors look for in submitted manuscripts and what they require from reviewers in order to increase the likelihood that participants will be both published and recruited as reviewers for neurology journals.

Lecture/Faculty:
- Writing for Neurology®: An Editor’s Perspective
  Robert A. Gross, MD, PhD, FAAN, Rochester, NY
- Reviewing for Neurology®: An Editor’s Perspective
  John H. Noseworthy, MD, FAAN, Rochester, MN
- Tips from the Editorial Staff of Neurology®
  Faculty

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

Luncheon Seminar: 12:00 p.m.–1:30 p.m.

5LS.001
Topic: Practice
Core Competencies: Interpersonal and Communication Skills, Patient Care, Professionalism, Systems-Based Practice

How to Be Sure Your Patient Education Is Educating Patients
CME Credits: 1.5
Director: J. D. Bartleson, MD, FAAN, Rochester, MN

Program Description:
Patient education is critical to health care. This is especially true for neurologic conditions, which are often hard to explain, difficult to comprehend, frightening, and can affect the patient’s ability to understand. Patients and their families need to know the diagnosis, prognosis, recommended treatment, potential side effects, and when to follow up. Effective patient education can improve health outcomes, patient satisfaction, and patient safety, and reduce malpractice claims. Educating patients and their families is a complex process. How do we know that the education we provide is effective? Do they absorb the information we give them? Do they follow through on our advice? How can we be sure they understand? Using an interactive format, faculty will cover the basics of patient education, the importance of assessing health literacy, principles of effective patient education, specific patient education methods and tools, developing key patient education messages for various neurologic conditions, and ensuring patient understanding.

Upon Completion:
Participants should know the importance of effective patient education; learn techniques and practices that enhance patient education; be familiar with the AAN and other high-quality patient education materials and resources; and improve their patient education skills.

Lecture/Faculty:
- Introduction and Overview of Patient Education
  J. D. Bartleson, MD, FAAN, Rochester, MN
- Assessing and Improving Patient Understanding
  J. D. Bartleson, MD, FAAN, Rochester, MN
Effective Strategies and Resources for Educating Your Patients  
Robin L. Brey, MD, FAAN, San Antonio, TX

Demonstrating Key Patient Education Messages  
J. D. Bartleson, MD, FAAN, Rochester, MN

Practice Giving Key Patient Education Messages  
Faculty

Sharing Current and Previous Lessons Learned  
Faculty

Recommended Audience:  
Practitioners, Fellows, Residents, Nurses, Academicians, Medical Students

This program offers BASIC and ADVANCED knowledge.

P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.

5PC.001  
Topic: General Neurology/Neurology of Systemic Disease  
Core Competency: Medical Knowledge

Localization in Clinical Neurology  
CME Credits: 3.5

Director: Jose Biller, MD, FAAN, FACP, FAHA, Chicago, IL

Program Description:  
Faculty will offer new venues for teaching and learning the essentials of neurology by utilizing an interactive patient-based audiovisual electronic format, incorporating key semiologic, neuroimaging, or other ancillary data when appropriate. Thirty carefully edited video clips of patients with an array of commonly and unusually encountered CNS and PNS neurologic problems will be used to focus on teaching two of the fundamental principles of bedside neurology: description and localization of findings, and hierarchic differential diagnosis.

Upon Completion:  
Participants should be able to recognize improvement in their core knowledge of neurologic localization and in their knowledge of systematically approaching a hierarchic differential diagnosis based on clinical (semiologic) evidence.

Lecture/Faculty:  
- Localization in Clinical Neurology  
  Jose Biller, MD, FAAN, FACP, FAHA, Chicago, IL  
  Paul W. Brazis, MD, FAAN, Jacksonville, FL  
  Joseph C. Masdeu, MD, PhD, FAAN, Pamplona, Spain

Recommended Audience:  
Practitioners, Fellows, Residents, Nurses, Academicians, Neurosurgeons, Emergency Department Physicians, Primary Care Physicians, Family Practitioners, Medical Students, Other Allied Health Care Professionals

This program offers ADVANCED knowledge.

What’s in a Name? A History of Neurology from the Perspective of Eponyms  
CME Credits: 3.5

Director: Peter J. Koehler, MD, PhD, FAAN, Heerlen, Netherlands

Program Description:  
An overview of the history of neurology will be presented from the perspective of eponyms, which will be chosen from neuroanatomy, neurologic diagnoses, and the neurologic examination. The selection of eponyms will cover important neurologic discoveries dating from the 17th century. Three aspects of each eponym will be discussed; a short biographical sketch, the original or key publication in which it appeared, and the evolution and/or present significance of the eponym.

Upon Completion:  
Participants should be knowledgeable about the origins of neurologic eponyms dating from the 17th century with respect to neuroanatomic structures, the neurologic examination, and neurologic syndromes and diseases; gain knowledge about the persons behind the eponyms and how they acquired their results against the background of scientific evolution in medicine; and be able to put into perspective past and present attainments in neurologic science.

Lecture/Faculty:  
- Eponyms in Neuroanatomy  
  Peter J. Koehler, MD, PhD, FAAN, Heerlen, Netherlands
  Douglas J. Lanska, MD, FAAN, Tomah, WI
  Victor W. Henderson, MD, FAAN, Stanford, CA
  Christopher Goetz, MD, FAAN, Chicago, IL
  Elan D. Louis, MD, MS, FAAN, New York, NY

Recommended Audience:  
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.
**P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.**

**5PC.003**

**Topic:** Spinal Cord/Nerve Root Disorders

**Core Competencies:** Medical Knowledge, Practice-Based Learning and Improvement

**MYELOPATHIES**

**CME Credits:** 3.5

**Director:** Neeraj Kumar, MD, Rochester, MN

**Program Description:**

Over the past decade significant advances have been made in our understanding of a wide spectrum of immune-mediated, infectious, metabolic, hereditary, and paraneoplastic myelopathies, as well as the classification and management of spinal vascular malformations. Aortic reconstruction surgery has led to an increased incidence of spinal cord stroke. General neurologists and neurologists with a broad spectrum of subspecialty interests are often asked to evaluate patients with disorders of the spinal cord. In this program, faculty will consider the topic of myelopathies under the following headings: inflammatory and immune mediated, metabolic (including toxic and tropical), neoplastic and paraneoplastic, vascular, infectious, hereditary and congenital, compressive, and traumatic. This discussion will be preceded by a comprehensive review of spinal cord anatomy, localization, and “cord syndromes.” The format will be mainly case based and will include practical information for the clinician and an update on the current understanding of the pathophysiology of these disorders. Recent advances will be highlighted. Representative clinical vignettes will include transverse myelitis, subacute combined degeneration, paraneoplastic myelopathy, spinal dural arteriovenous fistula, West Nile myelitis, hereditary spastic paraparesis, and epidural abscess. The program will conclude with a collection of interesting cases contributed by the faculty. Time will be allocated for the faculty to answer questions posed by participants.

**Upon Completion:**

Participants should be able to confidently diagnose the wide spectrum of disorders of the spinal cord and have a practical approach toward the workup and management of these patients; be aware of the recent advances in conditions such as neuromyelitis optica, copper deficiency myelopathy, hereditary spastic paraplegia, myelopathies related to spinal dural arteriovenous fistulas, and paraneoplastic myelopathies; and know the recommendations regarding use of steroids in compressive, inflammatory, and traumatic myelopathies.

**Lecture/Faculty:**

- Spinal Cord Anatomy, Localization, and Cord Syndromes  
  Matthew L. Flaherty, MD, Cincinnati, OH
- Inflammatory and Immune-Mediated Myelopathies  
  Dean M. Wingerchuk, MD, FAAN, Scottsdale, AZ
- Metabolic Myelopathies (Including Toxic and Tropical Myelopathies)  
  Neeraj Kumar, MD, Rochester, MN
- Neoplastic and Paraneoplastic Myelopathies  
  Julie E. Hammack, MD, FAAN, Rochester, MN
- Vascular Myelopathies  
  Matthew L. Flaherty, MD, Cincinnati, OH

**Recommended Audience:**

Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

---

**P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.**

**5PC.004**

**Topic:** General Neurology/Neurology of Systemic Disease

**Core Competency:** Medical Knowledge

**NEUROLOGIC COMPLICATIONS OF MEDICAL DISEASE**

**CME Credits:** 3.5

**Director:** Steven L. Lewis, MD, FAAN, Chicago, IL

**Program Description:**

Neurologists are frequently consulted regarding the diagnosis and management of neurologic disorders in patients with systemic diseases. Faculty will focus on practical diagnostic and management issues related to four major topics: neurosarcoidosis, neurologic manifestations of systemic lupus erythematosus and the antiphospholipid antibody syndrome, paraneoplastic syndromes, and neurologic complications of solid organ and bone marrow transplantation. Faculty presentations will include representative clinical vignettes to illustrate the challenges and issues that can arise in the diagnosis and management of these patients.

**Upon Completion:**

Participants should be better able to recognize, diagnose, and treat neurologic involvement by sarcoidosis; neuropsychiatric manifestations of systemic lupus erythematosus and the antiphospholipid antibody syndrome; paraneoplastic neurologic disorders; and the neurologic complications that arise in patients after organ transplantation

**Lecture/Faculty:**

- Neurosarcoidosis  
  Allen J. Aksamit, Jr., MD, FAAN, Rochester, MN
- Neurologic Manifestations of Systemic Lupus Erythematosus and the Antiphospholipid Antibody Syndrome  
  Robin L. Brey, MD, FAAN, San Antonio, TX
- Paraneoplastic Syndromes  
  Sean J. Pittack, MD, Rochester, MN
- Neurologic Complications of Organ and Bone Marrow Transplantation  
  Sasha Zivkovic, MD, Pittsburgh, PA

**Recommended Audience:**

Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.

5PC.005

**Topic:** Neuro-ophthalmology/Neuro-otology  
**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

**Neuro-otology**  
**CME Credits:** 3.5  
**Director:** Ronald J. Tusa, MD, PhD, Atlanta, GA

**Program Description:**  
Faculty will focus on the assessment and treatment of the patient with dizziness. A concise approach to the history, examination, and laboratory testing will be given. All aspects of treatment will be discussed, including physical therapy, medication, lifestyle changes, and surgery. Numerous case presentations will add practical knowledge to this program.

**Upon Completion:**  
Participants should become familiar with the differential diagnoses, workup, and management of the more common causes of dizziness.

**Lecture/Faculty:**  
- Pathophysiology of Vestibular Symptoms and Signs: The Clinical Examination  
  **David S. Zee,** MD, FAAN, Baltimore, MD  
- Acute Unilateral and Bilateral Peripheral Vestibular Loss—Part I  
  **Robert W. Baloh,** MD, FAAN, Los Angeles, CA  
- Acute Unilateral and Bilateral Peripheral Vestibular Loss—Part II  
  **Robert W. Baloh,** MD, FAAN, Los Angeles, CA  
- Recurrent Positional Vertigo  
  **Terry D. Fife,** MD, FAAN, Phoenix, AZ  
- Use of Laboratory Testing in the Management of the Patient with Dizziness and Balance Disorder  
  **Ronald J. Tusa,** MD, PhD, Atlanta, GA

**Recommended Audience:**  
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Case Study Program: 7:00 p.m.–10:00 p.m.

5CS.001

**Topic:** Movement Disorders  
**Core Competencies:** Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Professionalism, Systems-Based Practice

**Unusual Movement Disorders**  
**CME Credits:** 3.0  
**Director:** Joseph Jankovic, MD, FAAN, Houston, TX

**Program Description:**  
The primary objective of this program is to provide a forum for interactive discussion, focusing on videotapes of instructive cases with movement disorders. Using videotaped cases with unusual, difficult-to-classify, abnormal, involuntary movements, atypical manifestations of typical movement disorders, rare etiology, and diagnostically or therapeutically challenging cases, faculty will provide an overview of phenomenology and classification of common and unusual movement disorders. Audience participation will be encouraged. Priority will be given to well-documented cases, especially those in which a final diagnosis is definitely established.

Registered participants are strongly encouraged to submit cases for possible presentation. Please send or email a brief summary (one page) or two to four PowerPoint slides to Joseph Jankovic, MD, at Baylor College of Medicine, Department of Neurology, 6550 Fannin, Suite 1801, Houston, TX 77030 (email josephj@bcm.tmc.edu, fax (713) 798-6808) or to Anthony Lang, MD, FRCP(C), The Toronto Hospital, Division of Neurology, University of Toronto, 399 Bathurst Street, MP11, Room 306, Toronto, ON, Canada MST 2S8 (email lang@uhnres.utoronto.ca, fax (416) 603-5004). Case reports should be submitted before April 4, 2008. Whenever possible, cases submitted to faculty will be organized into themes and supplemented with syllabi and other materials as necessary or appropriate to enhance the presentation and discussion.

**Upon Completion:**  
Participants should be able to recognize, investigate, and manage common and complex movement disorder problems.

**Lecture/Faculty:**  
- Unusual Movement Disorders  
  **Joseph Jankovic,** MD, FAAN, Houston, TX  
  **Anthony E. Lang,** MD, FAAN, Toronto, ON, Canada

**Recommended Audience:**  
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers ADVANCED knowledge.

Case Study Program: 7:00 p.m.–10:00 p.m.

5CS.002

**Topic:** Demyelinating Disorders  
**Core Competencies:** Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Professionalism, Systems-Based Practice

**Multiple Sclerosis Case Studies**  
**CME Credits:** 3.0  
**Director:** John Corboy, MD, FAAN, Denver, CO

**Program Description:**  
Diagnostic and treatment issues in multiple sclerosis (MS) and related demyelinating disorders have become more complex. Through presentations of common and more challenging cases, faculty will facilitate a discussion with participants on differential diagnosis, laboratory evaluation, ethical issues, and treatment of MS and related conditions. Each case will be followed by an overview and update on the topic.

**Upon Completion:**  
Participants should be familiar with the differential diagnoses, workup, and treatment of MS and related conditions and with MRI analysis of MS and other conditions that induce similar lesions in the brain and spinal cord.
Lecture/Faculty:
- Multiple Sclerosis Case Studies
  - John Corboy, MD, FAAN, Denver, CO
  - Robert J. Fox, MD, Cleveland, OH

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

Case Study Program: 7:00 p.m.–10:00 p.m.

5CS.003
Topic: Aging/Dementia/Degenerative Disease
Core Competencies: Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Professionalism, Systems-Based Practice

Case Studies in Dementia
CME Credits: 3.0
Director: Ronald C. Petersen, PhD, MD, Rochester, MN

Program Description:
Faculty will discuss the diagnosis, prognosis, management, and treatment of a variety of dementing disorders. Sample cases will be presented, and controversial aspects of the diagnosis and management of these cases will be discussed. Participants are encouraged to present cases of their own to Ronald C. Petersen, PhD, MD, at peter8@mayo.edu by April 1, 2008.

Upon Completion:
Participants should become familiar with the differential diagnosis and evaluation of a variety of dementing disorders of both common and uncommon types and with management challenges.

Lecture/Faculty:
- Cases
  - Richard J. Caselli, MD, FAAN, Scottsdale, AZ
  - Jody Corey-Bloom, MD, PhD, San Diego, CA
  - Ronald C. Petersen, PhD, MD, Rochester, MN

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians, Industry Representatives

This program offers BASIC and ADVANCED knowledge.

5CS.004
Topic: Cerebrovascular Disease
Core Competencies: Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Professionalism, Systems-Based Practice

Case Studies in Stroke
CME Credits: 3.0
Director: Philip B. Gorelick, MD, FAAN, Chicago, IL

Program Description:
Faculty will present interesting and challenging stroke cases from their practices and orchestrate an interactive program whereby participants will have an opportunity to provide feedback about diagnosis and treatment as the case findings unfold. Evidence-based guidelines will be emphasized when appropriate. In addition, participants are encouraged to present challenging and interesting cases from their own practices by providing brief case scenarios and laboratory and imaging study results.

Upon Completion:
Participants should better understand unusual causes of stroke in relation to diagnosis and treatment, identification of stroke mimics, and controversies in stroke diagnosis or treatment.

Lecture/Faculty:
- Case Study 1: X Marks the Spot
  - Louis R. Caplan, MD, FAAN, Boston, MA
- Case Study 2: White Matter Disease: Now You See It and Now You Do Not
  - Louis R. Caplan, MD, FAAN, Boston, MA
- Case Study 3: A Call to Stroke
  - Louis R. Caplan, MD, FAAN, Boston, MA
- Case Study 4: An Uncommon Strokelike Manifestation of a Relatively Common Disease
  - Philip B. Gorelick, MD, FAAN, Chicago, IL
- Case Study 5: A Challenging Case of White Matter Disease: CADASIL, Vasculitis, Something Else!
  - Philip B. Gorelick, MD, FAAN, Chicago, IL
- Case Study 6: Controversies Regarding Antiplatelet Therapy in Recurrent Stroke Prevention
  - Philip B. Gorelick, MD, FAAN, Chicago, IL
- Discussion: Presentation of Challenging Cases by Participants Faculty

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
Thursday, April 17 Highlights

**Poster Session VI**
7:00 a.m.–10:00 a.m.

**AAN Foundation Silent Auction Booth**
8:00 a.m.–5:00 p.m.

Thursday is your last chance to bid for fantastic prizes in the AAN Foundation’s Silent Auction. Stop by and place your bid to help clinical research in neurology. Bidding is quick and easy—all you need is your badge number. Bidding ends at 5:00 p.m. sharp, followed by a celebratory reception.

**Frontiers in Clinical Neuroscience Plenary Session**
9:00 a.m.–11:00 a.m.

McCormick Place West, Ballroom
Moderator: John W. Griffin, MD, Chair, Lecture Awards Subcommittee

Focuses on translational research related to clinical issues of importance. Four physician-scientists outline their recent research findings, along with the clinical implications.

- **“Natural Autoantibodies in the Treatment of Neurologic Disease”**
  Moses Rodriguez, MD
  Mayo Clinic, Rochester, MN

- **“Prevention of Dementia in 2008: Strategies from Epidemiological Studies”**
  Kristine Yaffe, MD
  University of California, San Francisco & San Francisco VA Medical Center, San Francisco, CA

- **“Protein Interactions and Cell Signaling Pathways in SCA1 Pathogenesis: Targets for Therapeutics”**
  Harry T. Orr, PhD
  University of Minnesota, Minneapolis, MN

- **“Learning and Memory Mechanisms of the Basal Ganglia”**
  Ann M. Graybiel, MD
  Massachusetts Institute of Technology, Cambridge, MA

**Poster Session VII**
11:30 a.m.–2:30 p.m.

**Exhibits**
11:30 a.m.–4:00 p.m.
Complimentary luncheon: 12:00 p.m.–2:00 p.m.
McCormick Place West, Hall F

See the latest in pharmaceutical products, medical equipment, publications, and products to assist with practice management, teaching methods, and research activities. A prize drawing will be held at 1:30 p.m. Prizes include future Annual Meeting registration and hotel room credits.

**Scientific Program: Integrated Neuroscience: Stroke Imaging and Emerging Therapies**
2:00 p.m.–6:00 p.m.

Provides in-depth subspecialty concentration around a topic using a combination of presentations, such as scientific sessions, case studies, short poster talks, discussions, invited lecturers, and poster sessions.

**Scientific Platform Sessions**
1:30 p.m.–3:30 p.m.
3:45 p.m.–5:00 p.m.

**Poster Session VIII**
4:00 p.m.–7:00 p.m.

**Scientific Topic Highlights Program**
6:00 p.m.–8:00 p.m.
McCormick Place West

Highlights the best research in select neurological topics from more than 1,600 scientific poster and platform presentations. Details on topics and moderators will be available on the Annual Meeting website at www.aan.com/go/am in February 2008.
**Breakfast Seminar: 6:45 a.m.–8:30 a.m.**

**6BS.001**

**Topic:** Child Neurology  
**Core Competency:** Medical Knowledge

**Neonatal Seizures: An Update**  
**CME Credits:** 1.5  
**Director:** James J. Riviello, Jr., MD, Houston, TX

**Program Description:**  
Neonatal seizures are a frequent expression of neonatal neurologic disorders and require prompt diagnosis and treatment. The clinical manifestations may be subtle, and not all neonatal seizures have an underlying epileptic pathophysiology. Most neonatal seizures are symptomatic and have a specific cause that requires a specific treatment in order to prevent ongoing neurologic injury in addition to standard anticonvulsant therapy. The concept of a neonatal seizure versus a neonatal epilepsy will be reviewed.

EEG is the major diagnostic study used for both diagnosis and prognosis. Computerized technology has greatly aided neonatal EEG, especially for continuous EEG (CEEG) monitoring. Research is focusing on improving methods for the rapid application of CEEG monitoring, defining the optimal number of EEG electrodes needed, and improving the online interpretation of neonatal CEEG.

**Upon Completion:**  
Participants should be able to identify the semiology of neonatal seizures; know the differential diagnosis and understand the difference between a neonatal seizure and neonatal epilepsy; know the diagnostic and prognostic EEG patterns for neonatal seizures; be aware of the various methods for EEG monitoring and the controversy regarding the optimal number of electrodes needed; and know the evidence-based anticonvulsant treatment for neonatal seizures.

**Lecture/Faculty:**  
- **Semiology and Etiology of Neonatal Seizures**  
  Eli M. Mizrahi, MD, Houston, TX  
- **Neonatal EEG for Neonatal Seizures: Diagnosis and How Many Electrodes Are Needed?**  
  Robert R. Clancy, MD, Philadelphia, PA  
- **Anticonvulsant Treatment of Neonatal Seizures, Including Specific Metabolic Disorders**  
  James J. Riviello, Jr., MD, Houston, TX

**Recommended Audience:**  
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

---

**Breakfast Seminar: 6:45 a.m.–8:30 a.m.**

**6BS.002**

**Topic:** Ethics/Professionalism  
**Core Competencies:** Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Professionalism, Systems-Based Practice

**Case Studies: Clinical Ethics, Professionalism, and Evidence-Based Care of Patients with Severe Life-Limiting Neurologic Disease**  
**CME Credits:** 1.5  
**Director:** Jerome E. Kurent, MD, MPH, FAAN, Charleston, SC

**Program Description:**  
Faculty will interactively focus on controversies in clinical neuroethics and professionalism and the management of patients with severe life-limiting neurologic disease. The interface with pain and palliative care and geriatric neurology will also be emphasized. An interactive approach with participants will be utilized in clinical problem solving of common medical-ethical dilemmas confronting the practicing neurologist. The use of evidence-based solutions will be emphasized when possible. Specific examples seen in neurologic practice will provide the basis for practical problem solving of challenging patient care scenarios.

**Upon Completion:**  
Participants should be familiar with principles of clinical ethics and pain and palliative care as they apply to the practical management of patients with severe life-limiting neurologic disease.

**Lecture/Faculty:**  
- **Principles of Clinical Ethics and Their Application to the Practice of Neurology—Looking Beyond the Ivory Tower**  
  James L. Bernat, MD, FAAN, Lebanon, NH  
- **Medical Professionalism and Contemporary Ethical Issues Confronting the Practicing Neurologist While Caring for Patients with Life-Limiting Disease: Futility, Abandonment, Euthanasia and Physician-Assisted Suicide, Withholding/Withdrawing Care**  
  Jerome E. Kurent, MD, MPH, FAAN, Charleston, SC  
- **Discussion of Faculty Cases**  
  Faculty  
- **Discussion of Cases Submitted by Attendees**  
  Faculty

**Recommended Audience:**  
Practitioners, Fellows, Residents, Nurses, Academicians, Nurse Practitioners

This program offers BASIC and ADVANCED knowledge.
**Breakfast Seminar: 6:45 a.m.–8:30 a.m.**

**6BS.003**

**Topic:** Aging/Dementia/Degenerative Disease  
**Core Competency:** Medical Knowledge

---

**Diagnosing Spells in Older Adults**  
**CME Credits:** 1.5  
**Director:** Joseph F. Drazkowski, MD, Phoenix, AZ

**Program Description:**
As the US population ages, the incidence of epilepsy and its mimickers will continue to increase. Comorbid diseases in the older population can imitate seizures and confound appropriate therapy. Through case presentations with video and didactic lectures, faculty will present the unique features of spells in older adults. Approaches to the management and review of relevant current topics associated with these often complex cases will be covered.

**Upon Completion:**
Participants should be familiar with the recognition and evaluation of older adults with spells utilizing appropriate testing and therapy.

**Lecture/Faculty:**
- Evaluating Spells in Older Adults with and Without Altered Consciousness  
  Joseph F. Drazkowski, MD, Phoenix, AZ  
- Dizziness and Balance Issues in Older Adults  
  Terry D. Fife, MD, FAAN, Phoenix, AZ  
- Therapeutic Options for Spells in Older Adults  
  Joseph I. Sirven, MD, FAAN, Phoenix, AZ  
- Questions, Answers, and Discussion  
  Faculty

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses

---

**Breakfast Seminar: 6:45 a.m. – 8:30 a.m.**

**6BS.004**

**Topic:** Neuro-ophthalmology/Neuro-otology  
**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

---

**Bedside Neuro-ophthalmology Exam: How to Do It and What It Means**  
**CME Credits:** 1.5  
**Director:** Jade S. Schiffman, MD, FAAN, Houston, TX

**Program Description:**
In this highly interactive symptom-based program, faculty will provide many opportunities for participants to practice proper bedside neuro-ophthalmic examination techniques to find the appropriate sign (i.e., detect and quantitate afferent pupillary defects, monocular and binocular visual field defects, dilation lag, ptosis, motility imbalance when ductions appear normal). Cases will be presented and the differential diagnosis discussed followed by careful explanation of examination techniques that help determine the possible etiologies. Participants will learn to perform these bedside techniques with video presentations and a faculty-assisted practice session workshop. Participants will receive a neuro-ophthalmic kit.

**Upon Completion:**
Participants should become familiar with how to conduct a bedside neuro-ophthalmic examination and be familiar with the differential diagnosis and workup.

**Lecture/Faculty:**
- Case Presentations and Neuro-ophthalmologic Examination  
  Jade S. Schiffman, MD, FAAN, Houston, TX  
  Rosa A. Tang, MD, Houston, TX  
- What Does the Neuro-ophthalmologic Examination Mean?  
  Barbara Scherokman, MD, FAAN, FACP, Fairfax, VA  
- Workshop on the Neuro-ophthalmologic Examination  
  Faculty

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians, Physician Assistants

This program offers BASIC and ADVANCED knowledge.

---

**P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.**

**6PC.001**

**Topic:** Spinal Cord/Nerve Root Disorders  
**Core Competencies:** Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice

**Program Description:**
Spine and limb pain is one of the most common symptoms for which patients seek medical care. Worrisome causes of spine and limb pain include compression of the spinal cord, spinal nerve roots, and cauda equina. Surgical intervention is largely dependent on the demonstration of compression of nervous system tissue. Without such impingement, most patients can be managed with conservative treatment. Because of our expertise in determining neurologic impairment, neurologists are in an excellent position to evaluate and treat patients with spine and limb pain.

Faculty will focus on the most common causes of spine and limb pain due to degenerative disk and joint disease, also known as spondylosis. The indications for surgical intervention on the spine and recommended nonsurgical therapies will be presented. Accurate diagnosis is heavily dependent on the interpretation of spine imaging. Therefore, faculty will cover the most common abnormalities seen on spine imaging and how to avoid the mistake of attributing symptoms to incidental findings. Faculty will...
also describe the diagnosis and treatment of non-neurologic myofascial and musculoskeletal pain syndromes.

Finally, it is important for neurologists to know how spine surgeons treat the patients with spine disorders we refer to them. An experienced neurosurgeon will review the commonly used surgical interventions for cervical radiculopathy, cervical myelopathy, lumbar radiculopathy, lumbar spinal stenosis, and spinal instability.

**Upon Completion:**
Participants should know the indications for surgery on the spine for common spine disorders and what to look for on imaging studies of the spine in patients who present with spine and limb pain; be familiar with myofascial and musculoskeletal pain syndromes that can simulate neurogenic pain; and understand how spine surgeons treat patients when they operate for radiculopathy, myelopathy, lumbar spinal stenosis, and spinal instability.

**Lecture/Faculty:**
- Introductions
  - J. D. Bartleson, MD, FAAN, Rochester, MN
- Indications for Surgery and Medical Therapy of Spondylotic Spine and Limb Pain
  - J. D. Bartleson, MD, FAAN, Rochester, MN
- Diagnostic Imaging of Spine Disorders, Part 1
  - Timothy Maus, MD, Rochester, MN
- Diagnostic Imaging of Spine Disorders, Part 2
  - Timothy Maus, MD, Rochester, MN
- Diagnosis and Treatment of Myofascial and Musculoskeletal Pain Syndromes
  - Harry M. Koslowski, MD, Jacksonville, FL
- Surgical Treatment of Spondylotic Spine Disorders
  - H. Gordon Deen, MD, Jacksonville, FL

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses

This program offers BASIC and ADVANCED knowledge.

**P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.**

**6PC.002**

**Topic:** Women’s Issues

**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice

**Neurologic Disorders of Women’s Issues**

**CME Credits:** 3.5

**Director:** Page B. Pennell, MD, Atlanta, GA

**Program Description:**
Providing optimal neurologic care and counseling to women during the reproductive years requires special attention to issues related to pregnancy and contraception. The most recent information regarding different neurologic illnesses and pregnancy will be presented, including the effects of pregnancy on the maternal neurologic illness and the effects of the illness and its treatment on the developing fetus. The differential diagnoses of new neurologic symptoms that are likely to present during pregnancy will also be discussed, along with the best diagnostic and treatment options. Challenging cases will be presented, and participants are encouraged to submit cases to the course director at page.pennell@emoryhealthcare.org prior to the meeting.

**Upon Completion:**
Participants should be able to recommend safe options for symptomatic and prophylactic treatment of headaches during pregnancy; discuss the impact of pregnancy on the course of illness of multiple sclerosis and treatment options; evaluate strokes during pregnancy and recommend which medical therapies and interventions should be used; identify common neuromuscular illnesses during pregnancy, labor, and delivery; be aware of the potential effects of maternal myasthenia gravis on the fetus and newborn; understand the risks of seizures and various antiepileptic drug regimens during pregnancy; and recognize the features of pre-eclampsia/eclampsia and provide appropriate treatment.

**Lecture/Faculty:**
- Headaches During Pregnancy
  - Cheryl Bushnell, MD, Durham, NC
- Multiple Sclerosis and Pregnancy
  - Annette M. Langer-Gould, MD, San Francisco, CA
- Discussion of Cases, Questions, and Answers
  - Faculty
- Stroke During Pregnancy
  - Cheryl Bushnell, MD, Durham, NC
- Neuromuscular Disorders and Pregnancy
  - Jill W. Miller, MD, PhD, Brockport, NY
- Epilepsy and Pregnancy
  - Page B. Pennell, MD, Atlanta, GA
- Case Discussion, Questions, and Answers
  - Faculty

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

**6PC.003**

**Topic:** Neuromuscular Disease/Clinical Neurophysiology (EMG)

**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

**Evaluation and Management of Autonomic Disorders**

**CME Credits:** 3.5

**Director:** William P. Cheshire, Jr., MD, FAAN, Jacksonville, FL

**Program Description:**
Availability of noninvasive autonomic testing is expanding neurologic practice into the diagnosis and management of disorders of the autonomic nervous system. Faculty will provide an overview of practical clinical approaches
to some common autonomic syndromes such as orthostatic hypotension, orthostatic intolerance, autonomic neuropathies, and disorders of sweating. Emphasis will be on patient care, highlighting ways in which the neurologist can provide useful consultations and effectively manage patients with autonomic disorders. Interesting clinical cases and scientific updates will be presented.

**Upon Completion:**
Participants should be able to enhance their ability to formulate a differential diagnosis, organize a workup, and offer a treatment plan for patients with common varieties of autonomic dysfunction.

**Lecture/Faculty:**
- Introduction to Autonomic Disorders
  William P. Cheshire, Jr., MD, FAAN, Jacksonville, FL
- Autonomic Peripheral Neuropathy
  Ray L. Freeman, MD, Boston, MA
- Anhidrosis, Hyperhidrosis, and Sudomotor Testing
  William P. Cheshire, Jr., MD, FAAN, Jacksonville, FL
- Orthostatic Hypotension: When Pressure Falls, So Do People
  Thomas C. Cheilmsky, MD, FAAN, Cleveland, OH
- Orthostatic Intolerance and Postural Tachycardia Syndrome
  Phillip A. Low, MD, FAAN, Rochester, MN

**Recommended Audience:**
Practitioners, Fellows, Residents

This program offers BASIC knowledge.

---

**P.M. Half-Day Course: 2:15 p.m.–6:00 p.m.**

**6PC.004**

**Topic:** Ethics/Professionalism

**Core Competencies:** Interpersonal and Communication Skills, Practice-Based Learning and Improvement, Professionalism, Systems-Based Practice

**Practical Legal Issues for Neurologists**

**CME Credits:** 3.5

**Director:** Daniel G. Larriviere, MD, JD, Charlottesville, VA

**Program Description:**
Neurologists work in a medical-legal environment. Faculty will use hypothetical examples to explain four legal topics of critical importance to all physicians: copyright law, antitrust law, guidelines and practical advice concerning expert witness testimony, and practical advice concerning HIPAA compliance. The program will include time for a discussion between the faculty and participants concerning each of the topics.

**Upon Completion:**
Participants will become more familiar with copyright, antitrust, expert witness, and HIPAA issues in order to identify potential concerns before they become legal problems.

---

**Lecture/Faculty:**
- Copyright Law
  Murray G. Sagsveen, JD, CAE, Saint Paul, MN
- Antitrust Law
  Henry Allen, JD, Chicago, IL
- Expert Witness Testimony
  Michael A. Williams, MD, FAAN, Baltimore, MD
- HIPAA Law
  Stephen Fatum, JD, Chicago, IL

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

---

**Therapy Program: 7:00 p.m.–9:00 p.m.**

**6TP.001**

**Topic:** Cerebrovascular Disease

**Core Competencies:** Medical Knowledge, Patient Care, Systems-Based Practice

**Stroke Therapy**

**CME Credits:** 2.0

**Director:** Barney J. Stern, MD, FAAN, Baltimore, MD

**Program Description:**
Recent advances in stroke therapy will be discussed from three perspectives. Faculty will discuss current concepts of acute stroke therapy and review management considerations for extracranial and intracranial large artery disease. A discussion of stroke risk factors and their management will highlight current concepts. Finally, faculty will review current issues pertinent to hemorrhagic stroke.

**Upon Completion:**
Participants should be familiar with current strategies for acute stroke management, comprehensive vascular disease risk factor management, and prevention and treatment of hemorrhagic stroke.

---

**Lecture/Faculty:**
- Current Concepts in the Management of Acute Stroke and Large Artery Disease
  Barney J. Stern, MD, FAAN, Baltimore, MD
- Vascular Disease Risk Factors
  Mitchell S. V. Elkind, MD, MS, FAAN, New York, NY
- Hemorrhagic Stroke
  Michael N. Diringer, MD, Saint Louis, MO

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
Therapy Program: 7:00 p.m.–9:00 p.m.

**6TP.002**

**Topic:** Demyelinating Disorders

**Core Competencies:** Medical Knowledge, Patient Care

**Multiple Sclerosis Therapy**

**CME Credits:** 2.0

**Director:** Paul W. O’Connor, MD, Toronto, Canada

**Program Description:**

In this program, faculty will review established and emerging disease-modifying therapies in multiple sclerosis. In the past 10 years an explosion of new research has taken place in this area, with many promising drugs in the pipeline, including novel immune modulators and monoclonal antibodies. In addition, six disease-modifying agents have now been approved. Faculty will provide information to guide current practice in multiple sclerosis, including treatment of relapsing-remitting disease and clinically isolated syndromes, and point the way toward future developments in this therapeutic area.

**Upon Completion:**

Participants should be familiar with the indications and risks associated with approved disease-modifying agents in clinically isolated syndromes and relapsing-remitting multiple sclerosis and have a clear idea of which drugs in late-stage clinical trials show promise for patients.

**Lecture/Faculty:**

- Update on Head-to-Head Trials in Multiple Sclerosis
  Steven R. Schwid, MD, FAAN, Rochester, NY
- Tysabri Therapy: Where Does It Fit?
  Paul W. O’Connor, MD, Toronto, ON, Canada
- Emerging New Therapies for Multiple Sclerosis
  Peter A. Calabresi, MD, Baltimore, MD
- Clinically Isolated Syndrome: Time for a New Approach?
  Dean M. Wingerchuk, MD, FAAN, Scottsdale, AZ

**Recommended Audience:**

Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Case Study Program: 7:00 p.m.–10:00 p.m.

**6CS.001**

**Topic:** Neuromuscular Disease/Clinical Neurophysiology (EMG)

**Core Competencies:** Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Professionalism, Systems-Based Practice

**Unusual Diagnostic and Management Cases in Neuromuscular Disease**

**CME Credits:** 3.0

**Director:** Carlayne E. Jackson, MD, FAAN, San Antonio, TX

**Program Description:**

In this interactive program, faculty will emphasize discussion with participants of submitted cases. The cases will be presented as “unknowns” and highlight unusual manifestations of common neuromuscular diseases as well as rare neuromuscular disorders not commonly seen in clinical practice. Discussion will focus not only on diagnostic issues, but also on management and treatment strategies. Handouts containing brief synopses of the cases

Therapy Program: 7:00 p.m.–9:00 p.m.

**6TP.003**

**Topic:** Epilepsy/Clinical Neurophysiology (EEG)

**Core Competencies:** Medical Knowledge, Patient Care

**Epilepsy Therapy**

**CME Credits:** 2.0

**Director:** Susan T. Herman, MD, Philadelphia, PA

**Program Description:**

Seizures are a common complication of a variety of neurologic disorders, such as brain tumors, traumatic brain injury, and stroke. Acute symptomatic seizures occur in the first week following a brain insult. Late seizures occur more than one week after a brain insult and recur in more than 70% of patients. Because of comorbidities, such seizures pose specific problems for prophylaxis, treatment, and discontinuation of treatment. Faculty will review the epidemiology of acute symptomatic seizures and remote symptomatic epilepsy following brain tumors, traumatic brain injury, and stroke; the pros and cons of seizure prophylaxis after brain insults; specific treatment strategies for acute seizures, the first late seizure, and recurrent late seizures; the role of surgery in remote symptomatic epilepsy; avoidance of side effects and drug interactions in patients with neurologic comorbidities; and discontinuation of antiepileptic drug therapy in such patients.

**Upon Completion:**

Participants should become familiar with the epidemiology of seizures following acute brain injuries; strategies for prophylaxis and/or treatment of acute symptomatic seizures; risk of development of epilepsy after brain tumor, traumatic brain injury, and stroke; treatment of remote symptomatic epilepsy, including antiepileptic drug therapy and surgery; avoidance of side effects and drug interactions in patients with neurologic comorbidities; and discontinuation of antiepileptic drug therapy in patients with remote symptomatic epilepsy.

**Lecture/Faculty:**

- Seizures in Patients with Brain Tumors
  Joseph I. Sirven, MD, FAAN, Phoenix, AZ
- Seizures and Epilepsy After Traumatic Brain Injury
  Ramon R. Diaz-Arrastia, MD, PhD, FAAN, Dallas, TX
- Post-stroke Seizures and Epilepsy
  Susan T. Herman, MD, Philadelphia, PA

**Recommended Audience:**

Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
will be distributed at the beginning of the program. The answers, along with a discussion and list of references for each case, will be handed out at the conclusion of the program. Contact Dr. Carlayne Jackson at jacksonce@uthscsa.edu by December 20, 2007, if you are interested in submitting a case.

Upon Completion:
Participants should become more familiar with the differential diagnosis, evaluation, management, and treatment of both common and unusual neuromuscular disorders.

Lecture/Faculty:
- Case Discussions
  P. James B. Dyck, MD, FAAN, Rochester, MN
  Yadollah Harati, MD, FAAN, Houston, TX
  Carlayne E. Jackson, MD, FAAN, San Antonio, TX

Recommended Audience:
Practitioners, Fellows, Residents, Nurses

This program offers BASIC and ADVANCED knowledge.

Case Study Program: 7:00 p.m.–10:00 p.m.
6CS.003

Topic: Sleep Disorders
Core Competencies: Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Professionalism, Systems-Based Practice

Sleep Medicine Cases for the Neurologist
CME Credits: 3.0
Director: Alon Y. Avidan, MD, MPH, Los Angeles, CA

Program Description:
Neurologists frequently encounter patients who complain of disturbed sleep. Unfortunately, few neurologists have received formal training in sleep medicine. As a result, sleep problems can be among the most challenging to diagnose and treat. The purpose of this program is to provide neurologists in practice with the knowledge needed to recognize and treat major sleep disorders such as sleep apnea, insomnia, parasomnia, and hypersomnia. Discussion of each disorder will utilize a case-based approach. Each case will begin with a summary of the patient’s history and presenting complaint, illustration of the key physical findings, discussion of the differential diagnosis and, when appropriate, illustration of the key laboratory findings, including polysomnography, and key video examples. Each case will conclude with a discussion of the most likely diagnosis and provide an updated therapeutic consideration.

The unique feature of this case-based program is that it will include a practical session of unknown cases in which participants will be encouraged to answer questions based on cases. Faculty will discuss the cases and provide feedback regarding each of the unknowns, enhancing the educational value of the program and engaging the participants in the discussion.

Upon Completion:
Participants should be able to develop approaches to the diagnosis, assessment, and treatment of patients with sleep disorders likely to be encountered in general neurology practice; generate a differential diagnosis for patients who present to the office with hypersomnia, insomnia, and parasomnias, including abnormal motor activities during sleep; recognize the utility and limitations of sleep laboratory testing; and update their knowledge of therapeutic options for common sleep disorders.
Lecture/Faculty:
• Insomnia, Hypersomnia, and Circadian Rhythm Abnormalities
  Phyllis C. Zee, MD, PhD, Chicago, IL
• Motor Disorders of Sleep and Sleep-Disordered Breathing
  Alon Y. Avidan, MD, MPH, Los Angeles, CA

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians, Sleep Physicians

This program offers BASIC and ADVANCED knowledge.

---

**Case Study Program: 7:00 p.m.–10:00 p.m.**

**6CS.004**

**Topic:** Neurogenetics/Neurometabolic Disorders/Neurotoxicology

**Core Competencies:** Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Professionalism, Systems-Based Practice

**Case Studies in Neurogenetics**

**CME Credits:** 3.0

**Director:** Massimo Pandolfo, MD, Brussels, Belgium

**Program Description:**
Advances in molecular genetics have greatly impacted the practice of adult and pediatric neurology. Through presentations by participants and faculty, the differential diagnosis, laboratory workup, and treatment (when appropriate) of both common cases and more rare diagnostic dilemmas will be addressed. Vigorous discussions will be encouraged, and each case will be followed by a brief overview and update on the topic.

**Upon Completion:**
Participants should become more familiar with the differential diagnoses and workup, including genetic testing, of a group of approximately 10 distinct disease entities and be updated on new breakthroughs in the field.

**Lecture/Faculty:**
• Case Study Discussion
  Christine Klein, MD, Luebeck, Germany
  Massimo Pandolfo, MD, Brussels, Belgium
  Louis J. Ptacek, MD, FAAN, San Francisco, CA

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
Future of Neuroscience Conference: Neural Repair
9:00 a.m.–5:00 p.m.
McCormick Place West

This interactive day-long program focuses on neural repair, and will feature poster sessions, platform presentations, a series of case vignettes, a panel discussion, and several invited lecturers discussing new developments in the field. The presenters will combine high-level science with practical clinical application. Registration is required to attend this session, in addition to Annual Meeting registration fee.

Welcome and Introduction
Michael Weinrich, MD

• Cellular Therapies in Motor Neuron and White Matter Spinal Cord Disease
  Douglas Kerr, MD, PhD, Johns Hopkins Hospital

• Rewiring the Injured CNS: Lessons from the Optic Nerve
  Larry Benowitz, PhD, Children’s Hospital, Harvard Medical School

• Noninvasive Brain Stimulation in Neurology: Perspectives on the Therapeutic Potential of tTMS and TDCS
  Alvaro Pascual-Leone, MD, PhD, Harvard Medical School

• Synaptic Plasticity
  Gary Lynch, MD, University of California, Irvine

• Treatment of Spinal Cord Injury
  Mark H. Tuszynski, MD, PhD, University of California, San Diego

• Restorative Therapies for Stroke
  Steven Cramer, MD, University of California, Irvine

• Brain Neuroprosthesis Interface
  Hunter Peckham, PhD, Case Western Reserve University

• Aphasia Treatment and the Human Mirror System
  Steven Small, MD, PhD, University of Chicago Medical Center

• Panel Discussion

Scientific Program: Integrated Neuroscience: Mitochondria in Diseases
1:00 p.m.–5:00 p.m.

Provides in-depth subspecialty concentration around a topic using a combination of presentations, such as scientific sessions, case studies, short poster talks, discussions, invited lecturers, and poster sessions.

Scientific Program Highlights
Plenary Session
5:15 p.m.–6:15 p.m.
McCormick Place West, Ballroom

Moderator: Stefan M. Pulst, MD, FAAN, Chair, Science Committee and Scientific Program Subcommittee

Reviews the most critical new research from more than 1,600 studies presented throughout the 2008 Scientific Program. Education Programs will end at 5:00 p.m. Friday, allowing time for meeting participants to attend this session.
Breakfast Seminar: 6:45 a.m.–8:30 a.m.

7BS.001
Topic: Neuro-ophthalmology/Neuro-otology
Core Competency: Medical Knowledge

COMMON AND IMPORTANT OPHTHALMOSCOPIC FINDINGS
CME Credits: 1.5
Director: Michael Wall, MD, FAAN, Iowa City, IA

Program Description:
Nowhere else in the body can one gain so many clues to the health of an individual than the optic nerve and fundus. Clues to the nature of a patient’s visual symptoms may often be uncovered in goal-directed ophthalmoscopy. However, the steps for conducting ophthalmoscopy may be elusive. This program is designed to teach the benefits of viewing the optic disc and fundus in neurologic disease. Faculty will use a pretest and posttest format; mini lectures with pictures, examples, and drawings; and discussion with participants.

Upon Completion:
Participants should be able to identify the use of each aperture of the ophthalmoscope, normal disc anatomy, and normal variants of the optic disc; differentiate pseudopapilledema from true papilledema; recognize the features of different grades of papilledema; describe the features of atrophy; identify central retinal artery occlusion, branch retinal artery occlusion, and cilioretinal artery occlusion; identify different types of hemorrhages; and recognize common important retinal conditions.

Lecture/Faculty:
• Pretest and Introduction to the Ophthalmoscope
  Kathleen B. Digre, MD, FAAN, Salt Lake City, UT
• The Normal Optic Disc, Congenital Anomalies, and Optic Atrophy
  Michael Wall, MD, FAAN, Iowa City, IA
• Vascular Abnormalities
  Kathleen B. Digre, MD, FAAN, Salt Lake City, UT
  James J. Corbett, MD, FAAN, Jackson, MS

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Program Description:
Recent advances have impacted the diagnosis and treatment of children with epilepsy. Through presentations of common and more challenging cases, faculty will facilitate a discussion with participants of differential diagnosis of epileptic and nonepileptic paroxysmal events. Faculty will also address the approach to treatment in every case. Each case presentation will include a video of a recorded clinical event plus images of EEG and MRI and be followed by an overview and update on the topic.

Upon Completion:
Participants should become familiar with the differential diagnosis and treatment of a wide variety of epileptic and nonepileptic events in children and gain insight into innovative approaches and new breakthroughs in the field.

Lecture/Faculty:
• Pediatric Epilepsy and Nonepileptic Events: Case-Based Discussions
  Elaine Wyllie, MD, Cleveland, OH
  Elizabeth Thiele, MD, Boston, MA

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

7BS.003
Topic: Demyelinating Disorders
Core Competency: Medical Knowledge

ACUTE DISSEMINATED ENCEPHALOMYELITIS
CME Credits: 1.5
Director: Robert S. Rust, MD, FAAN, Charlottesville, VA

Program Description:
Uncertainty exists concerning the diagnostic boundaries of childhood acute disseminated encephalomyelitis (ADEM) and its relationship to encephalitis and multiple sclerosis. Particular problem areas include recurrent ADEM and transverse myelitis. Faculty will discuss diagnostic pitfalls, the current state of understanding of the treatment and outcome of ADEM, and related conditions, as well as radiological approaches to these various entities. ADEM in adults will also be considered.

Upon Completion:
Participants should understand the differential diagnosis, diagnostic uncertainties, and rational approach to treatment and prognostication concerning ADEM as well as conditions that may fall along a spectrum between ADEM and multiple sclerosis.

Lecture/Faculty:
• Acute Disseminated Encephalomyelitis
  Robert S. Rust, MD, FAAN, Charlottesville, VA

Recommended Audience:
Practitioners, Fellows, Residents

This program offers BASIC knowledge.

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

7BS.002
Topics: Child Neurology; Epilepsy/Clinical Neurophysiology (EEG)
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

PEDIATRIC EPILEPSY AND NONEPILEPTIC EVENTS: CASE-BASED DISCUSSIONS
CME Credits: 1.5
Director: Elaine Wyllie, MD, Cleveland, OH

Program Description:
Recent advances have impacted the diagnosis and treatment of children with epilepsy. Through presentations of common and more challenging cases, faculty will facilitate a discussion with participants of differential diagnosis of epileptic and nonepileptic paroxysmal events. Faculty will also address the approach to treatment in every case. Each case presentation will include a video of a recorded clinical event plus images of EEG and MRI and be followed by an overview and update on the topic.

Upon Completion:
Participants should become familiar with the differential diagnosis and treatment of a wide variety of epileptic and nonepileptic events in children and gain insight into innovative approaches and new breakthroughs in the field.

Lecture/Faculty:
• Pediatric Epilepsy and Nonepileptic Events: Case-Based Discussions
  Elaine Wyllie, MD, Cleveland, OH

Recommended Audience:
Practitioners, Fellows, Residents

This program offers BASIC knowledge.
Unruptured Intracranial Aneurysms and Intracranial Vascular Malformations: What a Practicing Neurologist Needs to Know

CME Credits: 1.5
Director: Robert D. Brown, Jr., MD, FAAN, Rochester, MN

Program Description:
Unruptured intracranial aneurysms (UIAs), fusiform aneurysms, and vascular malformations of numerous subtypes are commonly detected on brain imaging. Intracranial saccular aneurysms are present in about 2% of the population, but most of them do not rupture. When an aneurysm is detected, the neurologist can play an important role in the counseling of the patient regarding optimal management and can work within a multidisciplinary team along with a vascular neurosurgeon and neuroradiologist. Fusiform aneurysms and intracranial vascular malformations, including arteriovenous and cavernous malformations, are frequently noted on imaging, and a neurologist should have a detailed understanding of these lesions. Each of these vascular entities has distinct clinical characteristics and natural history. Faculty will provide a review of the commonly asked questions in the management of UIAs, including a basic review of epidemiology, family history and screening issues, and a detailed review of available natural history data. Factors predicting future intracranial hemorrhage will be summarized. Similarly, for fusiform aneurysms and the most common types of symptomatic intracranial vascular malformations, imaging characteristics will be presented, along with clinical features and the natural history, including the risk of hemorrhage and other clinical outcomes. Faculty will provide practical management strategies for each of these entities that are commonly seen in practice and concise, useful information that may be directly applied to a participant’s practice. Time will be available for questions from participants.

Upon Completion:
Participants should be familiar with epidemiology, family history and screening issues, natural history, and predictors of hemorrhage among patients with UIAs; understand the imaging characteristics and natural history, including factors impacting on various outcomes, for fusiform aneurysms and the commonly seen intracranial vascular malformations, including cavernous and arteriovenous malformations; gain a logical framework for applying these natural history data in clinical practice; and feel comfortable participating in the multidisciplinary management of these vascular lesions in order to complement the input of their neurosurgery and neuroradiology colleagues.

Lecture/Faculty:
- Commonly Asked Questions in the Evaluation and Management of UIA’s and Arteriovenous Malformations
  Robert D. Brown, Jr., MD, FAAN, Rochester, MN
- The Clinical Presentation, Natural History, and Predictors of Outcome for Intracranial Fusiform Aneurysms and Cavernous Malformations
  Kelly D. Flemming, MD, Rochester, MN

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

Basic Metabolic Disorders

CME Credits: 1.5
Director: Bruce H. Cohen, MD, FAAN, Cleveland, OH

Program Description:
A common concern among neurologists in training and practice is the relative lack of exposure to illnesses that are referred to as neurometabolic disorders. Faculty will provide a survey of the broad topic, directed to both pediatric and adult neurologists as well as interested nurses and advance practice nurses. These disorders often present with encephalopathy, epilepsy with encephalopathy, movement disorders, and/or myopathy, and often with features of other other organ involvement. Some of these disorders have treatments that are variable in effectiveness, but all of these disorders have a genetic basis, for many of which specific and accurate testing is available. The need for accurate diagnosis will often benefit the family in terms of health needs and is critical for family planning. These disorders include but are not limited to disorders of energy metabolism, such as respiratory chain defects and fatty acid oxidation. In addition, specific disorders of the peroxisomal and lysosome will be discussed, as well as specific glycogen storage diseases. Because of a genetic basis and potential for treatment, there is a pressing need to recognize these disorders quickly to allow for the possibility of early treatment or to more effectively counsel families. Faculty will focus on the clinical presentation of those individually rare but as a group not uncommon genetic disorders that are most likely to be seen in a general neurology practice and for which early intervention is critical.

Upon Completion:
Participants should be familiar with the clinical presentation, diagnostic evaluation, treatment options, and long-term management and counseling issues of the more frequently encountered inborn errors of energy metabolism and storage disorders; be able to develop a general approach to the use of the genetic laboratory; and understand the utility of biochemical analyses and enzymatic assays.
**Archival Neurologic Films**

CME Credits: 1.5  
Director: Christopher J. Boes, MD, Rochester, MN

**Program Description:**

The visual nature of neurologic disease led early neurologists to film their patients. Filming continues to be an essential tool for neurologic diagnosis, follow-up, teaching, and research. A group of historically important films from around the world has been assembled for this program.

Diseases presented will include many neurologic disorders that are either extinct or no longer regularly seen, such as Guamanian ALS, kuru, tabes dorsalis, mercury poisoning, kernicterus, and lathyism. Also included will be films documenting the initial recognition of disorders, such as Lambert-Eaton myasthenic syndrome, reading epilepsy, and visual pattern-induced epilepsy. Minot and Murphy’s original subacute combined degeneration patients treated with liver therapy will be highlighted. The films of Arthur Van Gehuchten and Camillo Nego will be reviewed. Films showing Rosenow’s controversial animal model of encephalitis lethargica and clips of patients with postencephalitic parkinsonism will be presented, as well as films from the Denny-Brown collection, including the documentation of the initial experience with British anti- Lewisite therapy in Wilson disease. Materials from the Movement Disorder Society and movement disorders archives will be shown. The format of this informal program will be the viewing of the historical clips with a brief discussion of the person or disease under study followed by faculty and open group discussions of the topic. The current-day relevance of the clips will be discussed. Participants who have archival material of interest are encouraged to contact the program director at Christopher Boes, MD, Mayo Clinic Department of Neurology, 200 First Street SW, Rochester, MN 55905, by email at boes.christopher@mayo.edu or via fax at (507) 266-4419 by March 1, 2008, for consideration of their films as part of the program.

**Upon Completion:** Participants should be able to describe the scientific evidence about neuroplasticity after stroke; be able to describe the known predictors of stroke recovery; be able to describe post-stroke recovery enhancing treatments currently available for clinical use; and be able to describe ongoing research regarding recovery after stroke.

**Lecture/Faculty:**

- A Brief History of Medical Cinematography, and the Films of Van Gehuchten and Nego
  Genevieve Aubert, MD, Brussels, Belgium
- Films of Minot and Murphy’s Liver Therapy Patients plus Films from the Denny-Brown Collection
  Neeraj Kumar, MD, Rochester, MN
- Films from the Movement Disorder Society
  Christopher Goetz, MD, FAAN, Chicago, IL
- Participant Films and Discussion
  Faculty
**Breakfast Seminar: 6:45 a.m.–8:30 a.m.**

**7BS.008**

**Topic:** Movement Disorders

**Core Competencies:** Medical Knowledge, Patient Care

**Balance and Gait Disorders**

**CME Credits:** 1.5

**Director:** Rodger J. Elble, MD, PhD, FAAN, Springfield, IL

**Program Description:**
Common and uncommon causes of impaired gait and balance will be presented with videotapes and brief clinical summaries. Participants will be invited to comment on the differential diagnosis and appropriate laboratory evaluation. Each case and discussion will address a few key learning points. Bedside examination skills, useful laboratory tests, and treatable conditions will be emphasized.

**Upon Completion:**
Participants should learn the key elements of a good examination of gait and balance and appreciate the power of this examination in the clinical diagnosis of gait and balance disorders and learn the pathophysiology and treatment of important central and peripheral disturbances of gait and balance.

**Lecture/Faculty:**
- Balance Disorders
  Jorge C. Kattah, MD, FAAN, Peoria, IL
- Gait Disorders
  Rodger J. Elble, MD, PhD, FAAN, Springfield, IL

**Recommended Audience:**
Practitioners, Fellows, Residents

This program offers **BASIC** and **ADVANCED** knowledge.

---

**A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.**

**7AC.002**

**Topic:** Cerebrovascular Disease

**Core Competency:** Medical Knowledge

**Stroke Prevention in 2008**

**CME Credits:** 3.5

**Director:** J. Donald Easton, MD, FAAN, Jamestown, RI

**Program Description:**
The key to reducing the burden of morbidity and mortality from stroke is prevention. The past decade has seen a dramatic increase in evidence-based prevention strategies. The pillars of stroke prevention include medical risk reduction, procedures to reduce stenosis of vessels, and anticoagulant and antplatelet therapies. Faculty will review the evaluation and treatment of TIA, including vascular and cardiac imaging priorities. Appropriate assessment for coagulopathies will be reviewed. The latest evidence supporting antithrombotics therapy will be presented. Treatment controversies in stroke prevention will be discussed, including stenting for extracranial and intracranial stenosis and treatment of dissection.

**Upon Completion:**
Participants should know the rationale for the newly proposed definition of TIA and the early risk and evaluation for TIA; be able to discuss the evidence supporting the use of carotid and intracranial stenting; choose appropriately among the different antithrombotic agents for stroke prevention, including aspirin, clopidogrel, dipyridamole, and warfarin; know which blood studies should be obtained, and in which patients, when a coagulopathy is suspected; and know the latest evidence supporting controversial treatments for stroke prevention.

**Lecture/Faculty:**
- Evaluation and Treatment of TIA
  Jeffrey L. Saver, MD, FAAN, Los Angeles, CA
- Coagulation Assessment
  Karen L. Furie, MD, Boston, MA
- Choice of Antithrombotics
  J. Donald Easton, MD, FAAN, Jamestown, RI
- Treatment Controversies
  Edward Feldmann, MD, Providence, RI

**Recommended Audience:**
Practitioners, Fellows, Residents, Academicians

This program offers **BASIC** and **ADVANCED** knowledge.

---

**A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.**

**7AC.001**

**Topic:** Neurogenetics/Neurometabolic Disorders/Neurotoxicology

**Core Competencies:** Medical Knowledge, Systems-Based Practice

**Genetic Testing in Clinical Neurology**

**CME Credits:** 3.5

**Director:** Katherine D. Mathews, MD, Iowa City, IA

**Program Description:**
This course will use a combination case presentation and lecture format to illustrate and explain how genetic testing is used in neurologic practice. The course will have a strong clinical emphasis, using cases taken from the speaker’s practices. We will discuss sources of current information about genetic testing, when to consider genetic testing and situations when it is not appropriate, types of tests commonly available and their uses, and interpretation of genetic test results. There will be ample time for questions and discussion with the audience.

**Upon Completion:**
Participants should be able to find accurate and current information about availability of a genetic test, interpret common genetic test reports, describe reasons for doing a genetic test and situations in which genetic testing is not needed or is inappropriate, and understand the molecular basis of common genetic tests.

**Lecture/Faculty:**
- Introduction to Genetic Testing
  Katherine D. Mathews, MD, Iowa City, IA
• Cases from Clinical Practice
  Roberta Pagon, Seattle, WA
  Thomas D. Bird, MD, FAAN, Seattle, WA
• Types of Genetic Tests
  Alexander G. Bassuk, MD, PhD, Chicago, IL

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

7AC.003
Topic: General Neurology/Neurology of Systemic Disease
Core Competencies: Interpersonal and Communication Skills, Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

NEURO-CROSSFIRE
CME Credits: 3.5
Director: Robert M. Pascuzzi, MD, FAAN, Indianapolis, IN

Program Description:
Faculty will be positioned in the “crossfire” with questions, discussion, and facilitation by co-moderators. Faculty will emphasize practical and clinically relevant issues, pearls, and pitfalls, including those dealing with controversial topics. Clinical vignettes will be presented, and participant opinions regarding diagnosis and management will be ascertained. Faculty will share not only the evidence-based medicine but also their personal insights, experience, and opinions as experts in the field. Presentations will reflect the most common and important questions that these faculty receive from referring physicians (including referring neurologists). Abundant time for participant questions will be provided. Faculty in the crossfire will absorb questions from three sides (co-moderators on the left and the right, and those from the audience).

Participants are encouraged to submit questions to the program director, Robert M. Pascuzzi, MD, by mail at Neurology Department, 545 Barnhill Drive EH 125, Indianapolis, IN 46202-5124, or email at rpascuzz@iupui.edu prior to the program.

Upon Completion:
Participants should be able to enhance and enrich their diagnostic and clinical management knowledge base and skill set with respect to the disorders discussed in this session.

Lecture/Faculty:
• Act I: Neuro-ophthalmology: Pearls and Pitfalls for the General Neurologist
  Kathleen B. Digre, MD, FAAN, Salt Lake City, UT
• Act II: Movement Disorders and Beyond
  Robert L. Rodnitzky, MD, FAAN, Iowa City, IA

• Act III: Neurology and General Medicine: Clinical Challenges and Controversies
  Martin A. Samuels, MD, MACP, FAAN, Boston, MA
• Act IV: Neuromuscular Nightmares
  Robert M. Pascuzzi, MD, FAAN, Indianapolis, IN

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

7AC.004
Topic: Neuromuscular Disease/Clinical Neurophysiology (EMG)
Core Competencies: Medical Knowledge, Patient Care

CME Credits: 3.5
Director: Kerry H. Levin, MD, FAAN, Cleveland, OH

Program Description:
The practice of nerve conduction studies (NCS) and EMG requires a foundation in the basic concepts of clinical neurophysiology. Faculty will discuss the basic physiologic concepts of NCS, the technical pitfalls encountered during NCS, and the background and techniques needed for assessment of neuromuscular junction (NMJ) transmission. There will be a video demonstration of normal and abnormal needle EMG waveforms.

This program complements 7PC.004: Clinical EMG II, but covers independent topics.

Upon Completion:
Participants should gain an understanding of basic physiologic concepts of NCS and pitfalls of performing NCS; be able to recognize basic normal and abnormal EMG waveform patterns during needle EMG; and gain an understanding of the basic concepts of NMJ transmission and proper techniques for diagnosis of defects of NMJ transmission.

Lecture/Faculty:
• Nerve Conduction Studies: Practical Physiology and Patterns of Abnormalities
  Kerry H. Levin, MD, FAAN, Cleveland, OH
• Pitfalls of Nerve Conduction Studies: Technical and Physiological
  Devon I. Rubin, MD, Jacksonville, FL
• EMG Waveform Identification and Interpretation
  Devon I. Rubin, MD, Jacksonville, FL
• Neuromuscular Junction Transmission
  Kerry H. Levin, MD, FAAN, Cleveland, OH

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.
A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

**7AC.005**

**Topic:** Movement Disorders

**Core Competency:** Medical Knowledge

**Botulinum Toxins: Practical Issues and Clinical Uses for Neurologists**

**CME Credits:** 3.5

**Director:** Cynthia L. Comella, MD, FAAN, Chicago, IL

**Program Description:**

Botulinum toxin (BoNT) injections have been widely accepted for the treatment of many disorders. Faculty will discuss the pharmacology of BoNT, highlighting differences in the available serotypes and preparations. The practical use of BoNT for treatment of dystonia, spasticity, and pain will be presented along with the evidence supporting use in each disorder. Relevant anatomy will be outlined using diagrams and videos. The program format will include didactic lectures and case discussions.

This program is a requirement for 7PW.001 Clinical Usefulness of Botulinum Toxin and Treatment of Dystonia.

**Upon Completion:**

Participants should be able to explain the mechanism of action of BoNT; describe the differences between various serotypes and brands; list the neurologic disorders in which BoNT is shown to be effective and the level of evidence that supports its use in these disorders; describe the anatomy of those regions commonly treated with BoNT; discuss the adverse effects that have been associated with BoNT injections into specific body regions; and apply the knowledge gained from this session to clinical cases.

**Lecture/Faculty:**

- BoNT for Limb Spasticity and Dystonia
  - Allison Brashear, MD, FAAN, Winston Salem, NC
- BoNT for Blepharospasm and Hemifacial Spasm
  - Virgilio Gerald H. Evidente, MD, Scottsdale, AZ
- BoNT for Cervical and Oromandibular Dystonia
  - Earl S. Consky, MD, Toronto, ON, Canada
- BoNT for Pain
  - David M. Simpson, MD, FAAN, New York, NY

**Recommended Audience:**

Practitioners, Fellows, Residents

This program offers BASIC and ADVANCED knowledge.

---

Full-Day Course: 9:00 a.m.–5:00 p.m.

**7FC.001**

**Topic:** General Neurology/Neurology of Systemic Disease

**Core Competencies:** Medical Knowledge, Patient Care

**Neurology Update II**

**CME Credits:** 6.5

**Director:** Ralph F. Józefowicz, MD, FAAN, Rochester, NY

**Program Description:**

Neurology is now one of the fastest-changing fields in all of medicine and has differentiated into numerous well-defined complex subspecialties. These factors make it an enormous challenge to stay current. Two update programs will be offered, one on Sunday and the other on Friday. Because of the large number of important topics, these two programs will each cover eight unique subjects presented by preeminent experts in the field.

**7FC.001 topics include updates in multiple sclerosis, spine disorders, Parkinson’s disease, other movement disorders, epilepsy, headache, peripheral neuropathy and motor neuron disorders, and medical neurology.**

**2FC.001 topics include updates in neuromuscular junction disorders and myopathies, neuro-infectious diseases, Alzheimer’s disease, non-Alzheimer’s dementias, stroke, sleep disorders, neuro-ophthalmology, and neuro-oncology.**

**Upon Completion:**

Participants should be able to utilize the newest disease-modifying treatments for multiple sclerosis; appropriately diagnose and treat patients presenting with spine and back disorders; treat patients with Parkinson’s disease utilizing both medical and surgical treatments; utilize the current medical and surgical approaches to the various movement disorders other than Parkinson’s disease; recognize and treat the common seizure disorders; recognize and treat the common headache syndromes; prescribe up-to-date treatments for the important neuropathic disorders; and diagnose and manage the common neurologic problems seen in patients with general medical illnesses.

**Lecture/Faculty:**

- Update in Multiple Sclerosis
  - Aaron E. Miller, MD, FAAN, New York, NY
- Update in Spine Disorders
  - J. D. Bartleson, MD, FAAN, Rochester, MN
- Update in Parkinson’s Disease
  - J. Eric Ahlskog, MD, PhD, Rochester, MN
- Update in Other Movement Disorders
  - Kapil D. Sethi, MD, FRCP (UK), FAAN, Augusta, GA
- Update in Epilepsy
  - Gregory D. Cascino, MD, FAAN, Rochester, MN
- Update in Headache
  - Peter Goodasy, MD, PhD, London, United Kingdom
Full-Day Course: 9:00 a.m.–5:00 p.m.

**7FC.002**

**Topic:** Child Neurology  
**Core Competency:** Medical Knowledge

**Child Neurology**

**CME Credits:** 6.5  
**Director:** James J. Riviello, Jr., MD, Houston, TX

**Program Description:**
The care of neurologic disorders requires proper diagnosis, classification, and treatment. Ongoing improvement in classification and treatment continues, aided by a better understanding of the pathophysiologic and molecular mechanisms underlying these disorders. Individuals who participate in the care of children with neurologic disorders must understand and incorporate these advances and insights into their therapies. Faculty will review these matters with particular reference to neurobehavioral disorders, hypotonia, cortical development and its malformations, neurogenetics, neuroimmunology, neuro-ophthalmology, neonatal neurology, status epilepticus, neonatal seizures, and mechanisms of epilepsy in the developing brain. Attention will be paid to practice parameters (evidence-based medicine), if available.

A coding lunch on child neurology is taking place in conjunction with this program. Please see program 7CL.001: Coding Lunch: Child Neurology.

**Upon Completion:**
Participants should be able to incorporate newer diagnostic and therapeutic approaches to the management of the categories of neurologic disease occurring in children and adolescents and should be aware of the practice parameters that apply.

**Lecture/Faculty:**
- Neurobehavioral Disorders  
  David K. Urian, MD, Boston, MA
- Hypotonia  
  Basil T. Darras, MD, Boston, MA
- Cortical Development and Its Malformations  
  Gary D. Clark, MD, Houston, TX
- Neurogenetics  
  Mustafa Sahin, MD, PhD, Boston, MA
- Neuroimmunology  
  Robert S. Rust, MD, FAAN, Charlottesville, VA
- Neonatal Neurology  
  Janet S. Soul, MD, Boston, MA

**7FC.003**

**Topic:** Infectious Disease  
**Core Competencies:** Medical Knowledge, Patient Care

**Infections of the Nervous System**

**CME Credits:** 6.5  
**Director:** Russell E. Bartt, MD, FAAN, Chicago, IL

**Program Description:**
Infections of the nervous system can be diverse in their presentation and, at times, challenging to diagnose and treat. Faculty will cover a range of important conditions, with emphasis on the differentiating features of these diseases and the suggested approach. Through these presentations, which will include time for questions and discussion, participants should also gain a better appreciation for the principles that underly neurologic infections.

**Upon Completion:**
Participants should have a broader and deeper understanding of many nervous system infections, both classic and less common, and the diagnostic and treatment approaches required.

**Lecture/Faculty:**
- Meningitis  
  Diederick Van De Beek, MD, PhD, Amsterdam, Netherlands
- Rickettsial Diseases  
  Thomas P. Bleck, MD, FAAN, Evanston, IL
- Neurocysticercosis and Other Parasitic Diseases of the CNS  
  Oscar H. Del Brutto, MD, FAAN, Miami, FL
- The HIV Consult  
  Christina Marra, MD, FAAN, Seattle, WA
- Epidural Abscess  
  Russell E. Bartt, MD, FAAN, Chicago, IL
- Lyme Disease  
  John J. Halperin, MD, FAAN, New York, NY
• West Nile Virus
Kenneth L. Tyler, MD, FAAN, Denver, CO
• Diagnostic Testing of Neurologic Infections
Allen J. Aksamit, Jr., MD, FAAN, Rochester, MN

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

Full-Day Course: 9:00 a.m.–5:00 p.m.

7FC.004
Topic: Epilepsy/Clinical Neurophysiology (EEG)
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice

CLINICAL EEG
CME Credits: 6.5
Director: John S. Ebersole, MD, Chicago, IL

Program Description:
Faculty will provide an overview of the principles underlying the practice of clinical EEG, including long-term monitoring in epilepsy and ICUs. Faculty will discuss the neurophysiology of EEG and the technical aspects of digitally recording, displaying, and analyzing EEG potentials. Faculty will then provide in-depth reviews of current electroclinical diagnosis in neonates, children, and adults, focusing particularly on developmental abnormalities, encephalopathy, and epilepsy. New this year are introductions to advanced digital EEG analysis in clinical practice, such as voltage topography and source modeling, and EEG in critical care settings. An interactive review session of EEG “unknowns” completes the program.

Upon Completion:
Participants should have an understanding of commonly encountered and clinically important EEG and long-term monitoring findings in children and adults and how to approach EEG interpretation in a systematic and scientific fashion.

Lecture/Faculty:
• Fundamentals of EEG Physiology and Analysis
  John S. Ebersole, MD, Chicago, IL
• EEG in Neonates and Children
  Douglas R. Nordli, Jr., MD, Chicago, IL
• EEG in Adults
  Aatif M. Husain, MD, Durham, NC
• EEG in Encephalopathy and Coma
  Richard P. Brenner, MD, FAAN, Pittsburgh, PA
• EEG and Video-EEG Monitoring in Childhood Epilepsy
  Elaine Wylie, MD, Cleveland, OH
• EEG and Video-EEG Monitoring in Adult Epilepsy
  John S. Ebersole, MD, Chicago, IL

7FC.005
Topic: Critical Care/Trauma
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

NEUROLOGIC INTENSIVE CARE
CME Credits: 6.5
Director: Claude Hemphill, III, MD, FAAN, San Francisco, CA

Program Description:
Practicing neurologists are becoming increasingly involved in the intensive care management of patients with neurologic disorders, and neurocritical care is now a required part of neurology resident curricula. Faculty will provide an overview of management for a range of neurocritical care disorders, focusing on the role of the neurointensivist. Faculty will focus on evidence-based care with consideration of treatment decisions when evidence is sparse. Case-based “how I do it” discussions by faculty will be included. Case presentations and questions by participants are encouraged.

Upon Completion:
Participants should be familiar with management of a variety of neurocritical care disorders, with an emphasis on the fundamental principles of primary and secondary brain injury; and gain an enhanced understanding of both pathophysiology and practical care issues.

Lecture/Faculty:
• Neurologic Intensive Care: Introduction
  Claude Hemphill, III, MD, FAAN, San Francisco, CA
• Neuro ICU Management of Ischemic Stroke
  Gene Y. Sung, MD, MPH, Los Angeles, CA
• Continuous EEG Monitoring in the ICU
  Paul M. Vespa, MD, Los Angeles, CA
• CNS Infections in Neurocritical Care
  Axel J. Rosengart, MD, PhD, Chicago, IL
• How I Do It: Morning Faculty and Audience Cases
  Faculty
• Intracerebral Hemorrhage: Evidence and Beyond
  Claude Hemphill, III, MD, FAAN, San Francisco, CA
• The Role of the Neurointensivist in Managing Head and Spinal Cord Injury
  Lori A. Shutter, MD, PT, Cincinnati, OH
Neuroscience Conference: 9:00 a.m.–5:00 p.m.

7SC.001
Topics: Spinal Cord/Nerve Root Disorders; Neurorehabilitation
Core Competency: Medical Knowledge

Future of Neuroscience Conference: Neural Repair
CME Credits: 7.5
Director: Neil R. Graff-Radford, MD, FAAN, Jacksonville, FL

Program Description:
The AAN Science Committee will present a conference that targets the latest developments in the field of neural repair. Faculty will discuss recent cutting-edge breakthroughs and exciting new directions that are likely to change the treatment of neurologic diseases. Novel therapeutic neural repair approaches to ALS, optic nerve damage, spinal cord injury, stroke, and aphasia will be presented. Faculty will also present on neural repair related to synaptic plasticity, noninvasive neural stimulation, and brain neuroprosthesis interfaces. All faculty will participate in a panel discussion at the conclusion of the program. Relevant abstracts submitted to the AAN Annual Meeting will be presented as posters or presentations. This program will be of interest to those completely new to the field as well as those actively involved in the therapy of a wide array of disorders. Lunch will be provided to all registered attendees.

Upon Completion:
Participants should be informed about current and future therapies related to neural repair.

Lecture/Faculty:
- Introduction
  Michael Weinrich, MD, Bethesda, MD
- Cellular Therapies in Motor Neuron and White Matter Spinal Cord Disease
  Douglas A. Kerr, MD, PhD, Baltimore, MD
- Rewiring the Injured CNS: Lessons from the Optic Nerve
  Larry Benowitz, PhD, Boston, MA
- Noninvasive Brain Stimulation in Neurology: Perspectives on the Therapeutic Potential of Focal Transcranial Magnetic Stimulation and Transcranial Direct Stimulation
  Alvaro Pascual-Leone, MD, PhD, Boston, MA
- Synaptic Plasticity
  Gary Lynch, MD, Irvine, CA
- Treatment of Spinal Cord Injury
  Mark T. Tuszyński, MD, PhD, La Jolla, CA
- Restorative Therapies for Stroke
  Steven C. Cramer, MD, Irvine, CA
- Brain Neuroprosthesis Interface
  Hunter Peckham, PhD, Cleveland, OH
- Aphasia Treatment and the Human Mirror System
  Steven Small, MD, PhD, Chicago, IL

Recommended Audience:
Practitioners, Fellows, Residents, Academicians, Neuroscientists

This program offers BASIC and ADVANCED knowledge.
**Coding Lunch:** 12:00 p.m.–1:00 p.m.

**7CL.001**

**Topic:** Practice  

**Core Competencies:** Practice-Based Learning and Improvement, Systems-Based Practice

**Coding Lunch: Child Neurology**  

**CME Credits:** 1.0  

**Director:** Bruce H. Cohen, MD, FAAN, Cleveland, OH

**Program Description:**  
Proper documentation is crucial not only for exemplary patient care but to avoid unintentional contractual noncompliance. Faculty will provide a survey introduction to both ICD-9-CM coding and CPT coding. The main topic will be a discussion of the requirements for proper documentation using real case analyses. The prime objective will be to cover the basis of the most common types of office visits that occur in neurology practice, specifically those that are often referred to as “cognitive management” (Level 3, 4, and 5, new patient, consultation, and follow-up visits) but will touch on common inpatient care as well (admission, continuing care and discharge care billing). Coding for procedures will not be covered in this course. Finally the topic of reimbursement, as it applies to office visits and cognitive inpatient care will be discussed. Although this program is intended for child neurologists, it will also serve useful to an adult neurologist interested in the defined scope of this subject.

A full-day program on child neurology is taking place in conjunction with this program. Please see program 7FC.002 Child Neurology.

**Upon Completion:**  
Participants should be familiar with proper coding and reimbursement for headache.

**Lecture/Faculty:**  
- Coding Lunch: Headache  
  Stuart B. Black, MD, FAAN, Dallas, TX

**Recommended Audience:**  
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

**Luncheon Seminar:** 12:00 p.m.–1:30 p.m.

**7LS.001**  

**Topic:** Practice  

**Core Competency:** Systems-Based Practice

**Coding CPT for Neurodiagnostics**  

**CME Credits:** 1.5  

**Director:** Neil A. Busis, MD, FAAN, Pittsburgh, PA

**Program Description:**  
Correctly using CPT codes for neurodiagnostic procedures is more important than ever, given today’s health care environment. Faculty will use presentations of commonly used neurologic procedure codes and discuss common coding errors to help participants gain a better understanding of correct procedural coding in order to maximize reimbursement and minimize the chances of claims denials.

**Upon Completion:**  
Participants should be able to understand the process by which AMA CPT codes are created and valued, gain familiarity with the most commonly used neurologic procedural codes, and learn how to avoid some of the most common coding errors.

**Lecture/Faculty:**  
- EMG and Nerve Conduction Study Coding  
  Neil A. Busis, MD, FAAN, Pittsburgh, PA  
- EEG and Long-Term Monitoring Coding  
  Gregory L. Barkley, MD, Detroit, MI

**Recommended Audience:**  
Practitioners, Fellows, Residents, Nurses, Office Billing Specialists, Office Managers

This program offers BASIC and ADVANCED knowledge.
**Luncheon Seminar: 12:00 p.m.–1:30 p.m.**

**7LS.002**

**Topic:** Practice

**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice

**Bedside Evidence-Based Medicine: Deconstructing Articles to Take Care of Patients**

**CME Credits:** 1.5

**Director:** Michael Glantz, MD, FAAN, Boston, MA

**Program Description:**

The primary goal of this hands-on demonstration of evidence-based medicine (EBM) techniques is to equip participants with the knowledge and tools needed to translate evidence (a published article) into action (specific bedside interventions). Faculty will conduct a “rapid-fire” analysis of three current, groundbreaking articles ripped from the headlines of *Neurology®*. Faculty will deconstruct each article, assess its accuracy and scientific rigor, marshal additional evidence as required, and derive practical, supportable, evidence-based recommendations that have bedside relevance. The articles selected for analysis will be distributed to participants for review well in advance of the seminar. The syllabus will include checklists, algorithms, assessment sheets, and user-friendly statistical tools that will empower participants to perform the same EBM magic on articles of their choosing in their own offices, hospitals, or academic settings. Ample time will be provided for unscripted discussion between faculty and participants. If time permits, faculty will also attempt to deconstruct a “surprise” article suggested by a course participant.

**Upon Completion:**

Participants should understand the basic principles of EBM and critical review and how they apply to bedside neurology practice; be able to deconstruct an article, assess its accuracy and rigor, and make appropriate evidence-based clinical decisions supported by this analysis; and be comfortable interpreting clinically relevant statistics and concepts, including “number needed to treat,” “power,” “confidence intervals,” “type I/II error,” and “likelihood ratios.”

**Lecture/Faculty:**

- Bias: The Original Sin of EBM
  Linda S. Williams, MD, FAAN, Indianapolis, IN
- Lies, Damn Lies, and Statistics
  Gary S. Gronseth, MD, Kansas City, MO
- True, True, and Unrelated
  Michael Glantz, MD, FAAN, Boston, MA

**Recommended Audience:**

Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

---

**P.M. Skills Workshop: 1:30 p.m.–6:00 p.m.**

**7PW.001**

**Topic:** Movement Disorders

**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

**Clinical Usefulness of Botulinum Toxin and Treatment of Dystonia**

**CME Credits:** 3.5

**Director:** Barbara P. Karp, MD, Potomac, MD

**Program Description:**

Faculty will present a hands-on approach to treating patients with dystonia and spasticity with botulinum toxin. Patients with the following disease states will be presented: cervical dystonia, hemifacial spasm, blepharospasm, writer’s cramp, and spasticity due to various causes such as stroke and traumatic brain injury. The program will involve treatment of patients in three separate hour-long sessions, an hour-long session of small-group case management discussions, and a session on anatomy. Emphasis will be placed on clinical evaluation, injection technique, muscle selection including dosage, and needle placement.

Participants registering for this program must also register and attend 7AC.005: Botulinum Toxins: Practical Issues and Clinical Uses for Neurologists.

**Upon Completion:**

Participants should be able to describe the injection technique for treatment of cranial dystonia, cervical dystonia, limb dystonia, blepharospasm, hemifacial spasm, and spasticity; describe the typical dosages used for each disorder with each of the different types of botulinum toxin; and describe the onset, duration of effect, and potential side effects for each type of botulinum toxin.

**Lecture/Faculty:**

- Introduction and Review of Anatomy
  Allison Brashear, MD, FAAN, Winston Salem, NC
  Cynthia L. Comella, MD, FAAN, Chicago, IL
  Joseph Jankovic, MD, FAAN, Houston, TX
- Limb Dystonia, Cervical Dystonia, and Blepharospasm
  Jennifer G. Goldman, MD, Chicago, IL
  Michael Rezak, MD, PhD, Glenview, IL
  Jennifer G. Goldman, MD, Chicago, IL
  Michael Rezak, MD, PhD, Glenview, IL

**Recommended Audience:**

Practitioners, Fellows, Residents, Academicians

This program offers BASIC knowledge.
P.M. Half-Day Course: 1:15 p.m.–5:00 p.m.

7PC.001
Topics: Critical Care/Trauma; Neuro-ophthalmology/Neuro-otology
Core Competencies: Medical Knowledge, Practice-Based Learning and Improvement

Emergency Department Neuro-ophthalmology
CME Credits: 3.5
Director: Valerie A. Purvin, MD, Indianapolis, IN

Program Description:
Faculty will emphasize recognition and emergent management of neuro-ophthalmic emergencies, including acute visual loss, papilledema, diplopia, gaze palsies, and anisocoria. Presentations will be largely case based with an opportunity for interactive problem solving and panel discussion.

Upon Completion:
Participants should be familiar with the clinical features and initial management of neuro-ophthalmic conditions that present in the emergency department, including giant cell arteritis, pituitary apoplexy, aneurysmal third nerve palsy, cerebral venous thrombosis, and brainstem ocular motor disorders.

Lecture/Faculty:
- Acute Visual Loss
  Eric R. Eggenberger, DO, FAAN, East Lansing, MI
- Papilledema
  Valerie A. Purvin, MD, Indianapolis, IN
- Giant Cell Arteritis
  Aki K. Kawasaki, MD, Lausanne, Switzerland
- Cases and Discussion
  Faculty
- Anisocoria
  Aki K. Kawasaki, MD, Lausanne, Switzerland
- Diplopia
  Eric R. Eggenberger, DO, FAAN, East Lansing, MI
- Brainstem Ocular Motility
  Janet C. Rucker, MD, Chicago, IL
- Cases and Discussion
  Faculty

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

P.M. Half-Day Course: 1:15 p.m.–5:00 p.m.

7PC.002
Topics: Cerebrovascular Disease; Women’s Issues
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

Women’s Issues in Cerebrovascular Diseases
CME Credits: 3.5
Director: Cathy A. Sila, MD, FAAN, Cleveland, OH

Program Description:
Advances in understanding the role of gender in cerebrovascular disorders have resulted from major efforts over the past 15 years to recruit women to participate in clinical studies in order to close the gaps in our knowledge of women’s health. Faculty will review, provide updates, and focus on specific etiologies and subtypes of stroke, both common and rare, in which gender issues come into play, and they will impart their clinical perspectives on diagnosis and therapy. Difficult management cases will be discussed by the panel. Participants are invited to submit cases to the director in advance for inclusion in this program. Please send cases to the director, Cathy A. Sila, MD, FAAN, by email at silac@ccf.org.

Upon Completion:
Participants should be familiar with the diagnosis, prevention, and treatment of a variety of cerebrovascular disorders in women with a focus on those factors that make women different from their male counterparts.

Lecture/Faculty:
- The Importance of Gender in Stroke Epidemiology
  Irene L. Katzan, MD, Cleveland, OH
- The Borderland of Migraine and Stroke
  Gretchen E. Tietjen, MD, Toledo, OH
- Extending the Differential Diagnosis: Unusual Causes of Stroke in Women
  Cathy A. Sila, MD, FAAN, Cleveland, OH
- Hormones and Hypercoaguability
  Robin L. Brey, MD, FAAN, San Antonio, TX

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

P.M. Half-Day Course: 1:15 p.m.–5:00 p.m.

7PC.003
Topic: Movement Disorders
Core Competency: Medical Knowledge

Parkinson’s Disease and Movement Disorders Update
CME Credits: 3.5
Director: Mark Hallett, MD, FAAN, Bethesda, MD
Program Description:
Movement disorders are very common in neurologic practice, and the field is moving rapidly with new understanding of pathophysiology and developments in treatment. This program is intended to bring neurologists up-to-date with the latest developments rather than serve as a basic review. Emphasis will be placed on the literature published in the last few years. Faculty will discuss Parkinson’s disease and dystonia and include a survey of other movement disorders.

Upon Completion:
Participants should be familiar with recent developments in all aspects of movement disorders and be able to bring the most up-to-date treatments to patients.

Lecture/Faculty:
- Parkinson’s Disease: Scientific Advances and Medical Management
  William J. Weiner, MD, FAAN, Baltimore, MD
- Dystonia and Tic: Scientific Advances and Medical Management
  Joseph Jankovic, MD, FAAN, Houston, TX
- Other Hyperkinetic Movement Disorders
  Mark Hallett, MD, FAAN, Bethesda, MD
- Surgical Management of Movement Disorders
  Elena Moro, MD, Toronto, ON, Canada
- Case Studies
  Faculty

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers ADVANCED knowledge.

P.M. Half-Day Course: 1:15 p.m.–5:00 p.m.
7PC.004

Topic: Neuromuscular Disease/Clinical Neurophysiology (EMG)
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

Clinical EMG II
CME Credits: 3.5
Director: Kerry H. Levin, MD, FAAN, Cleveland, OH

Program Description:
An effective electrodiagnostic consultant must answer the clinical question posed by the referring physician, as well as screen for other disorders in the differential diagnosis based on the patient’s symptoms. A high-quality study is based on an algorithm that surveys all likely neuromuscular diagnoses under consideration and refines the electrical workup based on the findings to make a final diagnosis. Each lecture will be based on a general symptom complex and will develop a strategy for effective workup of the symptoms. Topics will include focal arm and leg symptoms, generalized and multifocal motor and sensory symptoms, and fluctuating and episodic motor symptoms.

This program complements 7AC.004: Clinical EMG I, but covers independent topics.

Upon Completion:
Participants should be familiar with algorithms for comprehensive studies to assess typical clinical scenarios referred to the EMG laboratory and learn how to efficiently and effectively rule in and out major neuromuscular disorders posed by the patient’s symptoms.

Lecture/Faculty:
- The Patient with Focal Arm Symptoms and Signs
  William W. Campbell, Jr., MD, MSHA, FAAN, Bethesda, MD
- The Patient with Focal Leg Symptoms and Signs
  John C. Kincaid, MD, FAAN, Indianapolis, IN
- The Patient with Generalized and Multifocal Symptoms and Signs
  James W. Albers, MD, PhD, FAAN, Ann Arbor, MI
- The Patient with Fluctuating and Episodic Motor Symptoms and Signs
  Shannon Venance, MD, PhD, London, ON, Canada

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

P.M. Half-Day Course: 1:15 p.m.–5:00 p.m.
7PC.005

Topic: Demyelinating Disorders
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

Neuromyelitis Optica: Scientific and Clinical Update
CME Credits: 3.5
Director: Dean M. Wingerchuk, MD, FAAN, Scottsdale, AZ

Program Description:
Acute myelopathy syndromes are often caused by acute transverse myelitis, a syndrome that requires a systematic diagnostic approach to distinguish specific diseases from the idiopathic form. Neuromyelitis optica is a distinct entity with characteristic clinical and neuroimaging features and an associated biomarker, NMO-IgG, that can facilitate early disease recognition and appropriate acute and preventive immunotherapy. Faculty will present an algorithmic approach to myelopathy evaluation and provide an up-to-the-minute review of the immunopathologic features, diagnosis, and management of neuromyelitis optica using clinical case presentations.

Upon Completion:
Participants will be able to describe a systematic approach to the differential diagnosis of acute myelopathy and acute transverse myelitis, describe the distinguishing clinical characteristics of neuromyelitis optica, discuss the spectrum of clinical disorders and the immunopathologic findings associated with the autoantibody marker NMO-IgG (anti-aquaporin-4), outline current hypotheses about the pathogenesis of neuromyelitis optica, and describe options for treatment and prevention of acute attacks.
Lecture/Faculty:
- Evaluation of Acute Myelopathy
  Douglas A. Kerr, MD, PhD, Baltimore, MD
- Clinical Update: NMO-IgG and Neuromyelitis Optica Spectrum Disorders
  Brian G. Weinshenker, MD, FAAN, Rochester, MN
- Pathology and Pathogenesis of Neuromyelitis Optica
  Claudia F. Lucchinetti, MD, FAAN, Rochester, MN
- Treatment of Neuromyelitis Optica Spectrum Disorders
  Dean M. Wingerchuk, MD, FAAN, Scottsdale, AZ
- Panel Discussion and Clinical Cases
  Faculty

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

---

Therapy Program: 7:00 p.m.–9:00 p.m.

7TP.001

**Topic:** Headache/Other Pain Syndromes

**Core Competencies:** Medical Knowledge, Patient Care

---

**Headache Therapy**

**CME Credits:** 2.0

**Director:** Christine L. Lay, MD, FRCP, New York, NY

**Program Description:**
Faculty will guide participants through approaches to management of the patient with headache, including an approach to the commonly encountered outpatient scenario and inpatient treatment options for the more challenging headache patient. Finally, faculty will discuss how to reevaluate the approach when treatment fails.

**Upon Completion:**
Participants should become familiar with up-to-date approaches to both outpatients and inpatients with headache and gain an understanding as to why treatment fails.

**Lecture/Faculty:**
- Outpatient Headache Therapy
  Stewart J. Tepper, MD, New York, NY
- Inpatient Headache Therapy
  Joel R. Saper, MD, FAAN, Ann Arbor, MI
- Why Treatment Fails
  Marcelo Bigal, MD, PhD, Bronx, NY

**Recommended Audience:**
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

---

**Movement Disorders Therapy**

**CME Credits:** 2.0

**Director:** Theresa A. Zesiewicz, MD, FAAN, Tampa, FL

**Program Description:**
Movement disorders encompass neurodegenerative disorders such as Parkinson’s disease and Huntington’s disease. Symptoms of these diseases significantly impact patient and caregiver quality of life. Faculty will review the latest therapies for movement disorders, including the motor and nonmotor symptoms of Parkinson’s disease, essential tremor, Huntington’s disease and other forms of chorea, dystonia, myoclonus, restless legs syndrome, and Tourette’s syndrome.

**Upon Completion:**
Participants will receive a comprehensive update on medical and surgical therapies of movement disorders, including the most current information on future therapies on the horizon.

**Lecture/Faculty:**
- Treatment of Motor Symptoms in Parkinson’s Disease
  Robert A. Hauser, MD, MBA, FAAN, Tampa, FL
- Treatment of Nonmotor Symptoms in Parkinson’s Disease
  Theresa A. Zesiewicz, MD, FAAN, Tampa, FL
- Medical and Surgical Treatment of Essential Tremor and Other Tremor Disorders
  Elan D. Louis, MD, MS, FAAN, New York, NY
- Management of Movement Disorders: Huntington’s Disease, Dystonia, Tourette’s Syndrome, Myoclonus, and Restless Legs Syndrome
  John C. Morgan, MD, PhD, Augusta, GA

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.
Therapy Program: 7:00 p.m.–9:00 p.m.

7TP.003

Topic: Neuromuscular Disease/Clinical Neurophysiology (EMG)
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement, Systems-Based Practice

Neuromuscular Therapy
CME Credits: 2.0
Director: Robert C. Griggs, MD, FAAN, Rochester, NY

Program Description:
Faculty will consider current recommended treatment approaches to peripheral nerve, neuromuscular junction, and muscle diseases and provide a status report on clinical trials in all neuromuscular diseases.

Upon Completion:
Participants should have perspective on current and future treatments for neuromuscular disease.

Lecture/Faculty:
• Neuromuscular Therapy
  Anthony A. Amato, MD, Boston, MA
  Robert C. Griggs, MD, FAAN, Rochester, NY
  John T. Kissel, MD, FAAN, Columbus, OH

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

AN ABUNDANCE OF KNOWLEDGE & OTHER ESSENTIAL BENEFITS. In just one Weekend.

2008 AAN WINTER CONFERENCE

January 18-20, 2008 / Miami
Early Registration Deadline: December 28, 2007

The 2008 AAN Winter Conference packs an abundance of knowledge and other essential benefits into just one weekend. In only three short days, you can obtain the latest updates in neurology, discover ways to improve your practice, network with colleagues, fulfill your educational needs by earning valuable AMA PRA Category 1 credits™, and take some of the necessary steps towards fulfilling your MOC requirements.

Register today at www.aan.com/winter08 and save!

ABPN-approved Program for Maintenance of Certification
The American Board of Psychiatry and Neurology has reviewed the AAN 2008 Winter Conference programs and has approved this product as part of a comprehensive lifelong learning program, which is mandated by the American Board of Medical Specialties as a necessary component of maintenance of certification.
Breakfast Seminar: 6:45 a.m.–8:30 a.m.

**8BS.001**

**Topic:** Epilepsy/Clinical Neurophysiology (EEG)

**Core Competencies:** Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

---

**EEG in Children and Adolescents: Common Pitfalls, Classic Syndromes, and Identification of Surgical Candidates**

**CME Credits:** 1.5

**Director:** Ajay Gupta, MD, Cleveland, OH

**Program Description:**
Diagnosis and treatment of seizure disorders is a major component of neurology practice in children and adolescents. Correct analysis and interpretation of pediatric EEG is critical to making an accurate diagnosis and plan of care for treatment of seizures. Faculty will focus on basic and advanced pediatric EEG interpretation to assist child and adult neurologists and trainees in improving their EEG reading skills. Faculty will present brief case vignettes commonly seen in the office and epilepsy monitoring units (with or without video) followed by EEG tracings. Faculty will encourage participants to take an active role in the interpretation of EEG and generate differential diagnoses. Faculty will then discuss the diagnostic EEG finding, with didactic teaching around it.

**Upon Completion:**
Participants should develop core skills in reading EEG in adolescents and children and be familiar with major developmental landmarks and physiologic variants during EEG maturation (often misdiagnosed as EEG abnormalities), EEG findings in classical epilepsy syndromes, and early selection of epilepsy surgery candidates.

**Lecture/Faculty:**
- Dynamic Baseline in Children: Understanding Developmental Evolution of EEG Landmarks  
  *Eric H. Kossoff, MD, Baltimore, MD*
- Avoiding Pitfalls: Recognizing Common Physiologic Variants and Artifacts in Children  
  *Ajay Gupta, MD, Cleveland, OH*
- EEG in Classical Pediatric Epilepsy Syndromes: Making Correct Management Decisions  
  *Eric H. Kossoff, MD, Baltimore, MD*
- Selecting Candidates for Epilepsy Surgery: Unique Age-Related EEG Findings in Partial Epilepsy in Children  
  *Ajay Gupta, MD, Cleveland, OH*

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians, Child and Adult Neurologists

This program offers BASIC and ADVANCED knowledge.

---

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

**8BS.002**

**Topic:** Aging/Dementia/Degenerative Disease

**Core Competency:** Medical Knowledge

---

**Differential Diagnosis of Dementia: Improvements in Detection Techniques**

**CME Credits:** 1.5

**Director:** David S. Knopman, MD, Rochester, MN

**Program Description:**
Despite inroads in the development of biomarkers for Alzheimer’s disease and other dementing illnesses, the diagnosis of dementia and its subtypes is still based on clinical history and neurologic examination. Recent developments in diagnostic criteria for dementia subtypes will aid the practicing neurologist, but skill in eliciting the nature of cognitive complaints is critical to success. Faculty will emphasize a clinical approach to the diagnosis of dementia, particularly in its earliest stages. The syndromes of mild cognitive impairment (MCI), Alzheimer’s disease (AD), Lewy body disease, frontotemporal lobar degeneration (FTLD), and vascular dementia will be the primary focus of the seminar. Advances in neuroimaging have also contributed to improvements in the diagnosis of dementia. The strengths and limitations of neuroimaging in dementia differential diagnosis will be discussed. Cases will be presented to highlight the challenges in diagnosis of dementia subtypes. The program format will foster interaction between the faculty and participants.

**Upon Completion:**
Participants should be able to distinguish dementia from normal aging, accomplish an accurate differential diagnosis of dementia subtypes, and appreciate the role of neuroimaging in the diagnosis of dementia.

**Lecture/Faculty:**
- FTLD and Dementia with Lewy Bodies  
  *Bradley F. Boeve, MD, Rochester, MN*
- MCI, AD, and Vascular Dementia  
  *David S. Knopman, MD, Rochester, MN*

**Recommended Audience:**
Practitioners, Fellows, Residents

This program offers BASIC and ADVANCED knowledge.

---

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

**8BS.003**

**Topic:** Neuromuscular Disease/Clinical Neurophysiology (EMG)

**Core Competencies:** Medical Knowledge, Patient Care

---

**Rapid Quantitation in EMG: Learning Accurate and Efficient Motor Unit Potential Analysis**

**CME Credits:** 1.5

**Director:** Devon I. Rubin, MD, Jacksonville, FL

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians, Child and Adult Neurologists

This program offers BASIC and ADVANCED knowledge.
Program Description:
A major component of a needle EMG examination is the analysis of parameters of voluntary motor unit potentials to identify different neuromuscular diseases. Assessment of motor unit potentials often requires substantial time to assess for abnormalities in multiple parameters. Although formal quantitative techniques are available to analyze motor unit potentials, they are time-consuming and impractical to perform in every patient. The ability to efficiently and reliably assess these parameters to more accurately identify neuromuscular diseases can be learned, and EMG diagnostic accuracy can be enhanced with appropriate improvement in rapid quantitation skills.

Faculty will review and teach methods to learn rapid motor unit potentials quantitation using an interactive, multimedia approach. The significance and identification of changes in multiple motor unit parameters, including recruitment, duration, phases, stability, and firing patterns, will be taught.

Upon Completion:
Participants should understand how to rapidly analyze motor unit potentials, be able to recognize variations in different motor unit parameters, and understand the significance of changes in motor unit recruitment, durations, phases, stability, and firing pattern.

Lecture/Faculty:
• Overview of Rapid Quantitation
  Jasper R. Daube, MD, FAAN, Rochester, MN
• Learning Rapid Quantitation of Motor Unit Potential Parameters
  Devon I. Rubin, MD, Jacksonville, FL
• Interactive Audience Rapid Quantitation Quiz
  Jasper R. Daube, MD, FAAN, Rochester, MN
  Devon I. Rubin, MD, Jacksonville, FL
• Case Examples Using Rapid Quantitation
  Jasper R. Daube, MD, FAAN, Rochester, MN
  Devon I. Rubin, MD, Jacksonville, FL

Recommended Audience:
Practitioners, Fellows, Residents

This program offers BASIC and ADVANCED knowledge.
Upon Completion:
Participants should have a greater understanding of the appropriate indications for ordering autoantibodies in the evaluation of patients with peripheral neuropathy.

Lecture/Faculty:
- Clinical Syndromes Associated with Anti-MAG, Anti-Hu, and Antiganglionic Acetylcholine Receptor Antibodies
  Kenneth C. Gorson, MD, Boston, MA
- Clinical Syndromes Associated with Antiganglioside Antibodies
  John T. Kissel, MD, FAAN, Columbus, OH

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

---

Breakfast Seminar: 6:45 a.m.–8:30 a.m.

8BS.006

Topic: Movement Disorders
Core Competencies: Medical Knowledge, Patient Care, Practice-Based Learning and Improvement

Update on Ataxias

CME Credits: 1.5
Director: Henry L. Paulson, MD, PhD, FAAN, Ann Arbor, MI

Program Description:
The causes of ataxia are diverse, extensive, and often downright confusing. Faculty will review the most common causes of acquired and genetic forms of ataxia, current understanding of the pathogenic mechanisms, and emerging approaches to therapy.

Upon Completion:
Participants should be familiar with the causes of acquired and inherited ataxias, the current use of genetic testing, diagnostic approaches used to evaluate ataxia, and the newest breakthroughs in the field.

Lecture/Faculty:
- Ataxia Update Part I
  Henry L. Paulson, MD, PhD, FAAN, Ann Arbor, MI
- Ataxia Update Part II
  Christopher Gomez, MD, Chicago, IL

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge.

---

Neuropathic Pain: Diagnostic Strategies and Treatment Controversies

CME Credits: 1.5
Director: John Markman, MD, Rochester, NY

Program Description:
Neuropathic pain is a leading reason for neurologic consultation in the outpatient setting. Conditions such as postherpetic neuralgia and painful diabetic neuropathy rarely pose diagnostic dilemmas, but the neuropathic features of chronic low back pain and diverse chronic postoperative syndromes are often difficult to localize and characterize from a mechanistic standpoint. Matching effective treatment to the individual patient is often a formidable challenge. The majority of patients with moderate to severe symptoms require a combination of analgesic approaches to obtain even partial relief.

In this program, faculty will review the postulated mechanisms of neuropathic pain as well as the evidence supporting the principal pharmacologic and interventional treatments in an era when off-label prescribing is peaking and the field is being transformed by major changes such as the potential classification of fibromyalgia as a neuropathic pain syndrome.

In addition, faculty will trace the clinical implications of the central research questions facing the field of neuropathic pain, including: What is the relationship among symptoms and the underlying mechanisms of neuropathic pain? Do neuropathic pain states share mechanisms with other persistent nociceptive pain states? What is the relevance of animal pain models to chronic nerve injury-related pain in humans? What progress has been made in reaching the highly touted goal of moving from etiologic classification to mechanism-based treatment? How do answers to these questions inform treatment selection and assessment of effectiveness in clinical practice?

Upon Completion:
Participants should be familiar with the definition of neuropathic pain, the major postulated mechanisms of neuropathic pain, the potential applicability of those mechanisms to other pain states, the major pharmacologic and interventional treatments available for neuropathic pain, and the evidence supporting those treatments; and refine their understanding of tools for clinical assessment of neuropathic pain symptoms and signs and the concept of mechanism-based therapy.
Lecture/Faculty:
• Neuropathic Pain: Diagnostic Strategies and Treatment Controversies
  Charles E. Argoff, MD, New York, NY
  John Markman, MD, Rochester, NY
  David Walk, MD, Plymouth, MN

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

8AC.001
Topic: Cognitive Neurology/Neurological Disorders Presenting with Psychiatric Symptoms
Core Competencies: Medical Knowledge, Patient Care

Behavioral Neurology: Contemporary Topics: LANGUAGE
CME Credits: 3.5
Director: Anjan Chatterjee, MD, Philadelphia, PA

Program Description:
Disturbances of language from focal brain damage have been of primary concern in behavioral and cognitive neurology since its earliest days. In the last century and a half, our understanding of language has advanced significantly. We have deeper insights into the theory and structure of language. At the same time, we have a more nuanced view of brain-behavior relationships based on contemporary imaging methods. This convergence of theory and biology is opening the way to new approaches to the treatment of aphasia, which remains a profound clinical problem. In this program, faculty will review the functional neuroanatomy of language as we currently understand it. Faculty will pay special attention to similarities and differences from the classic views described by the great 19th century aphasiologists. Faculty will also review special considerations of the functional neuroanatomy of language as it relates to patients with acute strokes. Here the emphasis will be on neuronal adaptability and the possibilities of functional recovery. Finally, faculty will address biologically motivated approaches to treatment, first reviewing the basics of transcranial magnetic stimulation and how it can be used in aphasia rehabilitation, and second by addressing other biologically motivated approaches to treatment, including pharmacologic manipulations and electrical stimulation.

Upon Completion:
Participants should be updated on the theory, practice, and treatment of language disorders acquired from focal brain damage.

Lecture/Faculty:
• The Functional Neuroanatomy of Language
  Jeffrey Binder, MD, Milwaukee, WI
• The Functional Neuroanatomy and Plasticity of Language in the Acute Setting
  Argye E. Hillis, MD, MA, Reisterstown, MD

• Transcranial Magnetic Stimulation and Aphasia
  Roy H. Hamilton, MD, MS, Philadelphia, PA
• Biologically Motivated Treatments for Aphasia
  Steven L. Small, MD, Chicago, IL

Recommended Audience:
Practitioners, Fellows, Residents, Academicians, Speech Pathologists, Psychologists

This program offers BASIC and ADVANCED knowledge.

A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

8AC.002
Topic: Cerebrovascular Disease
Core Competencies: Interpersonal and Communication Skills, Medical Knowledge, Patient Care

UPDATE ON ENDOVASCULAR TREATMENT OF CEREBROVASCULAR DISEASES
CME Credits: 3.5
Director: Wade S. Smith, MD, PhD, San Francisco, CA

Program Description:
Several new developments in endovascular treatments of cerebrovascular disease have occurred. Newer imaging technologies facilitate identification of acute stroke by coupling angiography with perfusion and helping select patients for endovascular therapy. Both thrombectomy and intra-arterial thrombolytic therapy at comprehensive stroke centers is more widely available to primary stroke centers as a way to treat large vessel stroke. Advances in intracranial and carotid stenting make these procedures feasible, and faculty will review both the safety and efficacy of these treatments for secondary prevention.

Upon Completion:
Participants should be able to choose imaging modalities useful for all acute stroke patients to provide a simple and practical method to triage patients for endovascular therapy; be knowledgeable about current methods to open large vessel occlusions during acute ischemic stroke; and be updated on the indications for angioplasty and stenting of carotid atherosclerosis and intracranial atherosclerosis.

Lecture/Faculty:
• Imaging of Acute Ischemic Stroke
  Walter J. Koroshetz, MD, FAAN, Bethesda, MD
• Endovascular Therapy for Acute Ischemic Stroke
  Wade S. Smith, MD, PhD, San Francisco, CA
• Intracranial Atherosclerotic Disease: Angioplasty and Stenting
  Marc I. Chimowitz, MD, Atlanta, GA
• Extracranial Atherosclerotic Disease: Angioplasty and Stenting
  Alex Abou-Chebl, MD, Louisville, KY

Recommended Audience:
Practitioners, Fellows, Residents, Academicians

This program offers BASIC and ADVANCED knowledge
A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

8AC.003

Topic: Headache/Other Pain Syndromes
Core Competency: Medical Knowledge

DEBATES IN HEADACHE

CME Credits: 3.5
Director: Lawrence C. Newman, MD, New York, NY

Program Description:
Often the diagnosis and treatment of headache disorders is a matter of debate among experts. Faculty who have special expertise in these topics will debate three controversial questions in headache: Migraine and tension-type headache: separate disorders or a spectrum? Are opioids overprescribed and poorly managed in the treatment of headache? Should triptans be given an over-the-counter indication in the United States? Time for audience participation will follow each debate.

Upon Completion:
Participants should have a more complete understanding of the positions held by thought leaders on each topic debated and form a rational approach by which to diagnose and treat their own patients with headaches.

Lecture/Faculty:
- Introductions and Course Overview
  Lawrence C. Newman, MD, New York, NY
- Migraine and Tension-Type Headache: Separate Disorders or a Spectrum?
  Peter Goadsby, MD, PhD, London, United Kingdom
  versus
  Allan Purdy, MD, Halifax, NS, Canada
- Opioids Are Correctly Prescribed and Appropriately Managed in Headache Treatment
  Ricardo Cruciani, MD, New York, NY
  versus
  Joel R. Saper, MD, FAAN, Ann Arbor, MI
- Should Triptans be Available Over-the-Counter in the United States?
  Elizabeth Loder, MD, FACP, Jamaica Plain, MA
  versus
  Stewart J. Tepper, MD, New York, NY

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

8AC.005

Topics: Child Neurology; Movement Disorders
Core Competency: Medical Knowledge

DIAGNOSIS AND MANAGEMENT OF MOVEMENT DISORDERS IN CHILDREN

CME Credits: 3.5
Director: Harvey S. Singer, MD, FAAN, Baltimore, MD

Program Description:
Faculty will provide an update on current approaches to the diagnosis and treatment of several childhood movement disorders. The program will consist of four lectures covering ataxia, parkinsonism, movement abnormalities seen during sleep, and eye movement abnormalities in children with movement disorders. Each lecture will include video examples to enhance the learning experience. An open panel discussion will include responses to questions from participants. Faculty consists of three child neurologists with special expertise in pediatric movement disorders and a neuro-ophthalmologist.

Upon Completion:
Participants should be able to describe a logical approach to classification, differential diagnosis, and treatment of several childhood movement disorders.
disorders, including ataxia, parkinsonism, and sleep-associated movement abnormalities, and recognize eye movement abnormalities that are frequently seen in children with movement disorders.

**Lecture/Faculty:**
- Childhood Parkinsonism  
  Jonathan W. Mink, MD, PhD, FAAN, Rochester, NY  
- Abnormal Eye Movements in Children with Movement Disorders  
  David S. Zee, MD, FAAN, Baltimore, MD  
- Ataxia  
  Donald Gilbert, MD, Cincinnati, OH  
- Sleep-Related Movement Disorders  
  Harvey S. Singer, MD, FAAN, Baltimore, MD

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

---

**A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.**

**8AC.006**

**Topics:** Cognitive Neurology/Neurological Disorders Presenting with Psychiatric Symptoms; Neurorehabilitation

**Core Competency:** Medical Knowledge

---

**Cognitive Rehabilitation of Brain Disorders**

**CME Credits:** 3.5  
**Director:** Douglas I. Katz, MD, FAAN, Newton, MA

**Program Description:**
Cognitive impairments are among the most important problems causing disability after brain injury, stroke, and other brain disorders. Cognitive rehabilitation is a systematically applied set of treatments designed to improve cognitive functioning and participation in activities affected by difficulties in one or more cognitive domains. Data on efficacy have been gradually emerging in recent years, and ongoing research is examining how such interventions may affect brain recovery and improve functioning. Faculty will review aspects of cognitive rehabilitation, using examples of remediation of particular problems such as aphasia, neglect, and other cognitive impairments. Faculty will discuss evidence for the effectiveness of cognitive rehabilitation, including how fMRI has demonstrated changes in brain functioning after cognitive rehabilitation. In addition to behavioral interventions, faculty will discuss how pharmacologic treatment may enhance cognitive recovery.

**Upon Completion:**
Participants should become familiar with methods of treatment and evidence of effectiveness of cognitive rehabilitation used to treat disorders such as aphasia and neglect; understand how fMRI can demonstrate changes in brain functioning after cognitive rehabilitation; and become familiar with medications that may be beneficial in treating cognitive disorders after brain injury.

**Lecture/Faculty:**
- Introduction: Definitions and Basic Principles of Cognitive Rehabilitation  
  Douglas I. Katz, MD, FAAN, Newton, MA  
- Remediation of Aphasia  
  Ronald M. Lazar, PhD, New York, NY  
- Remediation of Spatial Neglect, and Associated Cognitive Disorders  
  Anna M. Barrett, MD, West Orange, NJ  
- Changes on fMRI Following Cognitive Rehabilitation for Brain Injury  
  Linda Laatsch, PhD, Chicago, IL  
- Pharmacologic Strategies to Improve Cognitive Functioning After Traumatic Brain Injury  
  Douglas I. Katz, MD, FAAN, Newton, MA

**Recommended Audience:**
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

---

**A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.**

**8AC.007**

**Topic:** Demyelinating Disorders

**Core Competencies:** Medical Knowledge, Patient Care

---

**THERAPEUTIC POISONING: IMMUNOSUPPRESSIVE THERAPY FOR NON-NEOPLASTIC NEUROLOGIC DISEASE**

**CME Credits:** 3.5  
**Director:** Michael Glantz, MD, FAAN, Boston, MA

**Program Description:**
Since the introduction of nitrogen mustard for the treatment of solid tumors more than 60 years ago, immunosuppressive and myelosuppressive agents have become increasingly important components of the neurologist’s therapeutic armamentarium. Initially limited to the use of cytotoxic drugs for nervous system malignancies and corticosteroids for inflammatory disorders affecting the nervous system, “therapeutic poisoning” is now routinely applied to patients with non-neoplastic central (e.g., multiple sclerosis) and peripheral (e.g., paraproteinemic neuropathies, acute and chronic inflammatory demyelinating polyneuropathies) nervous system and neuromuscular (e.g., myasthenia gravis, polymyositis, inclusion body myositis) disorders. Increasingly, novel techniques (e.g., bone marrow transplantation for patients with inborn errors of metabolism or CNS lupus) and novel disease candidates for immune system modulation (e.g., Alzheimer’s disease, Parkinson’s disease, and Duchenne muscular dystrophy) are being incorporated into the routine care of neurology patients. As a consequence, neurologists must be familiar not only with the neurologic toxicities of these agents, but with the practical details of their administration and the spectrum of disorders in which myelosuppressive and immunosuppressive therapy are appropriate. They must also develop medically, ethically, and legally sound algorithms for identifying patients who are appropriate for these aggressive therapies, explaining the risks and benefits of therapy and obtaining informed consent.
Upon Completion:
Participants should be able to describe the currently available classes of immunosuppressive and myelosuppressive agents, their neurologic and non-neurologic toxicities, and the practical aspects of their administration; explain the rationale and optimum strategies for the use of these agents in a wide spectrum of primary and secondary nervous system disorders, including demyelinating and neuromuscular diseases; establish a safe and efficient office-based program for the use of immunosuppressive and myelosuppressive therapies in patients with nervous system diseases; develop algorithms for patient selection, informed consent, treatment, and monitoring; and apply standardized metrics for assessing treatment outcome.

Lecture/Faculty:
- Immunosuppressive Therapy for Neuromuscular Disease: How I Do It
  Mark S. Freedman, MD, FAAN, Ottawa, ON, Canada
- Immunosuppression in the Office: Making Poisons Palatable
  Marinos C. Dalakas, MD, FAAN, Philadelphia, PA
- Ethical Immunosuppression: Doing the Math and Explaining the Results
  Samuel Wiebe, MD, Calgary, AB, Canada
- Immunosuppression in the Office: How to Be Safe and Efficient
  Camilo E. Fadul, MD, Lebanon, NH
- Case Presentations: Demyelinating Disease
  Mark S. Freedman, MD, FAAN, Ottawa, ON, Canada
- Case Presentations: Neuromuscular Disease
  Marinos C. Dalakas, MD, FAAN, Philadelphia, PA

Recommended Audience:
Practitioners, Fellows, Residents, Nurses, Academicians

This program offers BASIC and ADVANCED knowledge.

A.M. Half-Day Course: 9:00 a.m.–12:45 p.m.

8AC.008

Topic: Critical Care/Trauma

Core Competency: Medical Knowledge

DIAGNOSIS AND TREATMENT OF TRAUMATIC BRAIN INJURY

CME Credits: 3.5

Director: Jack W. Tsao, MD, DPhil, Bethesda, MD

Program Description:
Traumatic brain injury (TBI) due to trauma is a leading cause of morbidity in young adults. TBI is one of the signature injuries from the wars in Iraq and Afghanistan and has impacted both military and Veterans Administration hospitals in significant ways. Faculty will provide an overview of the mechanisms, diagnosis, therapy, impact, and rehabilitation of TBI, reviewing evidenced-based recommendations.

Upon Completion:
Participants should be familiar with the clinical spectrum of TBI, the strengths and limitations of the diagnostic criteria for TBI, impediments to treatment, and new advances in cognitive rehabilitation.
Save More than

$400 TODAY

On Annual Meeting Registration and Educational Programming

Only your AAN membership can save you more than $400 in Annual Meeting registration, program fees, and education products. Renew your membership today and save! Non-members should join today to take advantage of these great savings.

<table>
<thead>
<tr>
<th></th>
<th>AAN Active Member before March 7</th>
<th>Non-Member</th>
<th>Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual Meeting Registration</td>
<td>$285</td>
<td>$585</td>
<td>$300</td>
</tr>
<tr>
<td>Education Program*</td>
<td>$154</td>
<td>$202</td>
<td>$99</td>
</tr>
<tr>
<td>Syllabi on CD-ROM Pre Registration</td>
<td>$99</td>
<td>$149</td>
<td>$50</td>
</tr>
</tbody>
</table>

**SAVE MORE THAN $400!**

$449

The AAN has money-saving membership plans and career-enhancing benefits for all types of neurology professionals: medical students, residents and fellows, physicians, researchers, practice managers, international, and seniors.

**DON’T DELAY! RENEW OR START YOUR MEMBERSHIP TODAY AND SAVE**

Quickly renew your membership online at www.aan.com/dues2008. To apply for AAN membership, visit www.aan.com/joinaan. Or call (800) 879-1960 or (651) 695-1940 (international) to renew or begin your membership and ensure your savings on the 2008 Annual Meeting in Chicago.

* Education Program savings based on average cost difference between active AAN member and non-member rates and average number of education courses attendees register for during the AAN Annual Meeting.
PREORDER AND SAVE!
On AAN 2008 Virtual Annual Meeting Products

2008 Syllabi on CD-ROM  Save up to $100
Enjoy quick and convenient access to complete syllabi from more than 175 educational programs
Exclusive pre-registration offer: Only $99 for members ($169 on-site, and $199 post-meeting)
Refer to registration form (Box C) on page 119

Webcasts-on-Demand  Save up to $120
Receive online access to the slides, audio, and video of more than 240 hours of programs and presentations on the latest science and education, including all five plenary sessions
Exclusive pre-registration offer: Only $79 for those purchasing a Syllabi on CD-ROM ($179 on-site, and $199 post-meeting)
Refer to registration form (Box D) on page 119

Buy both—Only $178

Practice CD-ROM  NEW
Fifteen AAN Regional Conference and Annual Meeting practice-related syllabi conveniently located on a single disk: $39
Refer to registration form (Box E) on page 119
Syllabi on CD-ROM
Enjoy quick and convenient access to complete syllabi from more than 175 educational programs.

Webcast-on-Demand
Receive online access to the slides, audio, and video of more than 240 hours of education programs and presentations on the latest science, including all five plenary sessions.

Owning both provides a quick and convenient method to stay up-to-date on AAN educational programming.

NEW! Practice CD-ROM
Convenient access to 15 AAN Regional Conference and Annual Meeting practice-related syllabi conveniently located on a single disk.

Attending the 2008 Annual Meeting?
• Order your copy of the syllabi on CD-ROM, online access to Webcast-on-Demand, and practice CD-ROM on the registration order form page 119 under box C, D, and E.
• Pick up at the AAN Store located in McCormick Place West during the Annual Meeting.

Not Attending the Annual Meeting?
If you are unable to attend the Annual Meeting, order your copy of the syllabi on CD-ROM, online access to Webcast-on-Demand, and practice CD-ROM and take advantage of the pre-meeting pricing. Simply fill out and fax the completed order form located on this page to (651) 361-4800. Products ordered on this form will be mailed during the Annual Meeting.

SPECIAL RATE ON SYLLABI ON CD-ROM FOR AAN JUNIOR MEMBERS:
Purchase the 2008 Annual Meeting Syllabi on CD-ROM at a discounted pre-meeting rate of $49. This rate is only available to AAN Junior members (one copy per Junior member). Note: The discounted rate is available until March 7, 2008. Orders received after March 7, 2008, will be charged the member meeting price.

2008 Virtual Annual Meeting Order Form

Special Reduced Pricing

<table>
<thead>
<tr>
<th>SYLLABI CD-ROM</th>
<th>Before March 7</th>
<th>On-Site</th>
<th>Quantity</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAN Junior member (limit 1)</td>
<td>$49</td>
<td>$169</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AAN member</td>
<td>$99</td>
<td>$169</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nonmember</td>
<td>$149</td>
<td>$199</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WEBCAST-ON-DEMAND</th>
<th>If purchasing a syllabi on CD-ROM</th>
<th>$79</th>
<th>$179</th>
</tr>
</thead>
<tbody>
<tr>
<td>If not purchasing a syllabi on CD-ROM</td>
<td>$99</td>
<td>$179</td>
<td></td>
</tr>
</tbody>
</table>

| PRACTICE CD-ROM | $39 | $39 |

<table>
<thead>
<tr>
<th>US SHIPPING:</th>
<th>Grand Total</th>
<th>$7.95</th>
<th>Shipping (see left)</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>$39.00 – $75.00</td>
<td>$7.95</td>
<td>$169</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$75.01 – $120.00</td>
<td>$9.95</td>
<td>$179</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$120.01 – $250.00</td>
<td>$12.95</td>
<td>$199</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$250.01 – $500.00</td>
<td>$14.95</td>
<td>$249</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For orders over $500 and international orders call AAN Member Services (see below).

PRICE INCLUDES APPLICABLE SALES TAX

For questions, contact AAN Member Services at memberservices@aan.com (800) 879-1960 or (651) 695-2717 (International).

Did You Know?
The 2007 Syllabi on CD-ROM, printed syllabi, Webcast-on-Demand, audio CDs, and MP3 downloads are still available for the 2007 Annual Meeting. Visit the AAN Store at www.aan.com/store for more information.
CME/Accreditation

Accreditation
The AAN is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education (CME) for physicians.

CME: American Medical Association Physician’s Recognition Award™
The AAN designates select Annual Meeting activities for a specific number of AMA PRA Category 1 Credit™ hours towards the American Medical Association Physician’s Recognition Award. (See individual program description for specific number of credits per program.) Physicians should only claim credit commensurate with the extent of their participation in the activity.

CME: Education Program
AMA PRA Category 1 Credits are awarded for courses, seminars, workshops, luncheons, and kick-off programs. (See individual program description for specific number of credits per program.) Confirmation of CME credits earned at the 2008 Annual Meeting will be sent to attendees approximately four to six weeks after the Annual Meeting.

CME: Scientific Program
AMA PRA Category 1 Credits are awarded on a one-credit-per-hour basis for platform, Plenary, and specific portions of poster sessions. To earn CME credit, attendees must participate in the program and complete a 2008 CME Credit Request Form available in the Annual Meeting registration packet. In order to receive Category 1 CME Credit for scientific programs, Annual Meeting registration must be validated and the 2008 CME Credit Request Form must be submitted. Category 2 Credit is self-reported.

Disclaimers/Disclosures

Educational/Scientific Disclaimer
The primary purpose of the Annual Meeting is to offer educational and scientific programs to attendees. Information presented—as well as publications, technologies, products, and/or services discussed—is intended to inform attendees about the knowledge, techniques, and experience of physicians willing to share that information with colleagues.

A variety of child care options are available in Chicago. Check with the concierge at your hotel on or before your arrival to make your arrangements.

Shuttle Service
Complimentary shuttle bus service will be provided between all official AAN hotels (see page 122) and the McCormick Place West, except the Hyatt McCormick hotel located adjacent to the convention center. Schedules will be available at McCormick Place West and will also be posted in each hotel lobby.

Technology Resource Center/Message Center
The AAN strives to offer the latest in technological products and services designed to make communicating between the office, colleagues, or family easier while attending the 60th Annual Meeting. The Technology Resource Center provides attendees with computer workstations, printers, and Internet access. Check email, enter course or session notes, or search the AAN website. Enhancements to the Message Center allow faster access to messages and the ability to search for other attendees by name, company, or networking topics of interest.

Wireless Connection
Wireless Internet connections will be available in all public areas of McCormick Place West. Sponsored by AAN Enterprises, Inc.

Business Center
McCormick Place West has a business center that offers extensive administrative and office services, including copy machines, faxes, and shipping services. The business center is located on Level 2.

First Aid Station
A wheelchair-accessible First Aid station is located on Level 1 of McCormick Place West. The station is staffed by licensed medical professionals and fully equipped with supplies, including automatic external defibrillators (AED). A private area for infant nursing is also available. The station is operational throughout the duration of the Annual Meeting.
Guidelines

Cell Phones
The AAN requests that attendees turn cellular phones and pagers to vibrate mode upon entering all Annual Meeting programs.

Language
The official language of the Annual Meeting is English. No simultaneous translation is available.

No Smoking
McCormick Place West is a nonsmoking facility. For the health and comfort of everyone, smoking is prohibited at Annual Meeting functions, which include all educational and scientific activities and social functions.

Photography and Recording of Programs
The AAN strictly prohibits all unauthorized photography (flash, digital, or otherwise), audio and/or videotaping during the Annual Meeting. Equipment will be confiscated.

Press Room
Only authorized media may use the Press Room at the Annual Meeting. Journalists must check in at the Press Room and provide proper credentials. Media guidelines, press releases and other materials will be provided. For more information, contact Robin Stinnett at rstinnett@aan.com or (651) 695-2763.

Volunteer Opportunities

Education and Scientific Program Monitors
Monitors are needed for all education program offerings and platform sessions to distribute and collect evaluation materials and assist directors, faculty, session co-chairs, and staff as required. The AAN will waive all monitors’ Annual Meeting registration and program fees as well as grant CME credit for the monitored program. Space is available on a first-come, first-served basis. For an application form or more information, contact Kyle Krause at kkrause@aan.com or (651) 695-2733.

EMG Skills Workshop Volunteers
Volunteers are needed to participate in the EMG Clinical Skills Workshop on Sunday, April 13, and Monday, April 14. Skills workshop subjects will receive a waived meeting registration and workshop fee as well as payment of $40.00 per noninvasive session and $60.00 per invasive session. Space is available on a first-come, first-served basis. For more information, contact Deann Kukla at dkukla@aan.com or (651) 695-2724.

Weather/Attire
The climate in Chicago in early spring is generally cool and damp. In April, temperatures usually range from 38 degrees to 60 degrees Fahrenheit. It can be quite wet, so a waterproof coat and umbrella are a good idea, as are layered clothing and a good jacket.

The AAN promotes business casual attire for the duration of the Annual Meeting. Consider bringing a light jacket or sweater to Annual Meeting activities since meeting room temperatures and personal comfort levels vary.
General Information

Online Registration
Enjoy the convenience and efficiency of registering online at www.aan.com/amrapreg.

Early Registration Deadline: March 7, 2008
Register early to avoid increased general registration and Education Program fees. Any registrations received after March 7, 2008, will not be processed. After March 7, 2008, registration is available on-site only. On-site registration opens Saturday, April 12, 2008, at 8:00 a.m. in McCormick Place West.

US and Canadian registrants who submit their registration form before March 7, 2008, will receive Annual Meeting name badges and Education Program tickets by mail.

Fees

General Registration Fee
The general registration fee is mandatory for all registrants and is determined by AAN member type. The fee includes a name badge providing access to:
• Scientific Platform and Poster Sessions
• Plenary Sessions
• 60th Anniversary Party
• Advocacy events

The registration fee does not include individual Education Program fees.

AAN Member Types Include:
Junior and Affiliate members (JA): JA rates are for Junior and Affiliate members of the AAN. Physicians in training who are not Junior members must pay nonmember rates.

Medical Student members: Medical Students who are members of the AAN are not required to pay the general registration fee and pay JA rates for Education Programs.

Members: AAN members must pay their current year’s dues to register at member rates. Honorary and Senior members are not required to pay the general registration fee.

Nonmembers: Become an AAN member and receive significant discounts on Annual Meeting registration and Education Program fees. For an AAN membership application, contact AAN Member Services at (800) 879-1960 or (651) 695-2717 (international). To take advantage of AAN member rates, membership applications must be received at the AAN office by March 7, 2008.

Medical Student / PhD Candidate nonmembers: To be eligible for the medical student rate as a nonmember, a student ID card or a letter from a professor must be submitted. The general Annual Meeting registration fee will be waived but nonmember rates must be paid for Education Programs. For an AAN membership application, contact AAN Member Services at (800) 879-1960 or (651) 695-2717 (international).

Scientific Program Presenters
All platform and poster presenters must submit a registration form and pay the applicable registration fee. On-site fees are significantly higher. Registration by March 7, 2008, is encouraged.

Education Programs
There is a fee for each selected offering within the Education Program. Enrollment is limited. Early registration by March 7, 2008, is recommended.

Syllabi on CD-ROM/Webcast-on-Demand
Discount price for Syllabi on CD-ROM is $99 for members and $149 for nonmembers before March 7, 2008. Price includes applicable sales tax.

Practice Syllabi CD-ROMs are available for $39. Price includes sales tax.

For an additional $79 members and nonmembers can purchase access to the AAN online webcast-on-demand.

AAN Junior members may purchase the 2008 Annual Meeting Syllabi on CD-ROM at a discounted pre-meeting rate of $49. This rate is only available to AAN Junior members (one copy per Junior member). The discounted rate is only available until March 7, 2008.

60th Anniversary Party: Neurobowl®, Second City Comedy Troupe, Neuro Idol, Neuro Theater, and Music of the Decades
Each registered meeting attendee will receive one free ticket to the 60th Anniversary Party events. Guest tickets may be purchased for $50 each.

American Academy of Neurology & American Academy of Neurology Foundation Awards Luncheon
Join the leaders of the AAN, the Science Committee, and the Lecture Awards Subcommittee in honoring recipients of the 2008 Scientific Awards Program on April 16, 2008. A limited number of seats are available for $40. Junior and Medical Student members may attend this event at no cost through registration, but must obtain a ticket through registration.

Group Registration Deadline: February 22, 2008
Group registrations are those in which 10 or more individuals’ fees are paid for with one check or credit card. No administrative fee is charged to register a group as long as housing is secured through the AAN’s official housing company, Convention Management Resources (CMR).

Groups that have not secured housing through CMR can still register as a group; however, a $1,000 administrative fee will be charged. Contact CMR’s Group Registration at (800) 676-4226 (US/Canada), (415) 979-2283 (international), or www.aan2008groups@cmrus.com to receive special registration instructions. See page 120 for housing information.

Picking Up Your Syllabi is Now Easier than Ever!
Once you arrive on-site, you no longer have to wait in line to get your syllabi for Education Programs. All Education Program syllabi will be available 30 minutes prior to the start of the program in the room. Alternatively, an electronic version of the syllabi may be downloaded 24 hours prior to the beginning of the Annual Meeting.

REMEMBER: Pick up your Education Program syllabi at your course room.
Exhibits Only

To view the exhibits without registering for the Annual Meeting, a single-day pass is available at on-site registration for $100 per day.

Changes in Education Programs
Select Education Programs carefully. An administrative fee of $20 per change will be charged for each program change. A $20 administrative fee will be charged for each program cancellation. To assure correct mailing of your name badge and tickets, changes must be submitted in writing and received no later than March 7, 2008. After that date, changes must be made on-site and will be charged an administrative fee of $30 for each program change or cancellation.

Canceled or Closed Programs
Education Programs may be canceled or closed due to capacity or insufficient enrollment. If any selections are canceled or closed and payment was made by credit card, the amount charged will include only the available programs. If paid by check, a full refund will be issued for affected programs. Allow four to six weeks after the Annual Meeting for processing refunds.

Cancellations/Refunds of Registration
Until March 7, 2008 . . . . . . Full refund
March 8–April 4, 2008 . . . . Refund less $50 administrative fee
After April 4, 2008 . . . . . . No refund

Special Needs
McCormick Place West and the AAN are in compliance with the Americans with Disabilities Act and strive to accommodate all visitors. Information booths, designated parking, TDD services, assisted listening devices, wheelchair and scooter rental are available. If you require special accommodation to attend the meeting, contact Valerie Mendoza by March 21, 2008, at vmendoza@aan.com or (651) 695-2730.

Note: Kosher meals can be provided at any breakfast, lunch or dinner seminar and should be arranged no later than March 21, 2008, by contacting Valerie Mendoza at vmendoza@aan.com or (651) 695-2730. There is a $25 surcharge per meal. On-site requests will not be accommodated.

“...and by the time I got down to the AAN Store at the Annual Meeting, they had sold out of the Troemner hammer.”

PREORDER The Tools You Need Most
Last year our on-site inventory sold out quickly. Make sure you get the tools and resources you need by preordering today.

Pick up your order at the AAN Store at the 2008 Annual Meeting
Located at McCormick Place West

<table>
<thead>
<tr>
<th>Saturday, April 12</th>
<th>Sunday, April 13 – Friday, April 18</th>
<th>Saturday, April 19</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m. – 7:00 p.m.</td>
<td>8:00 a.m. – 6:00 p.m.</td>
<td>8:00 a.m. – 1:00 p.m.</td>
</tr>
</tbody>
</table>

It’s as easy as:

1. VISIT the AAN Store online at www.aan.com/store
2. SHOP the entire AAN catalogue to make your selections
3. Fill out the PREORDER form by March 21 to reserve popular practice tools, education resources, books, and more
**Step 1: Personal Information**

Remove the mailing label on the back of this brochure and affix it to the Personal Information box on the registration form. If the information on the label is incorrect, make corrections on the label or in the space provided.

Note: It is important that this information be current. A confirmation letter will be emailed or faxed. Name badge, tickets, and CME transcripts will be mailed to the address provided.

Indicate your Primary Focus of Practice: Aging/Dementia, Behavioral Neurology, Cerebrovascular Disease, Chronic Pain, CNS Infectious Disease, Critical Care, EEG, EMG, Epilepsy, General Neurology, Headache, Interventional Neurology, Movement Disorders, Neuro-oncology, Neuro-ophthalmology, Neuropharmacology, Neurorehabilitation, Sleep Disorders, Spine Related Conditions, Worker’s Compensation, or currently not in practice.

**Step 2: Education Program**

Shade the boxes corresponding to the Education Program numbers for which you wish to register.

**Step 3: Fees**

**Box A: General Registration Fee**

Select the appropriate fee. All attendees and Scientific Program presenters are required to pay this fee. See page 116 for fee inclusion details.

**Box B: Education Program Fees**

Calculate the total fees using the Education Program Fee Schedule.

**Boxes C, D, and E: Syllabi on CD-ROM, Webcast-on-Demand and/or Practice CD-ROM (optional)**

Check box to select a Syllabi on CD-ROM, webcast-on-demand, and/or Practice CD-ROM. Price includes applicable sales tax.

**Box F: 60th Anniversary Party (optional)**

Check box to select a guest ticket for the 60th Anniversary Party.

**Step 4: Payment**

Indicate method of payment. Full payment in US funds must accompany your registration form. Include credit card information or enclose a check made payable to the American Academy of Neurology.

Note: Government credit cards are not accepted for advance registration, as they cannot be processed without the actual credit card. Government credit cards may be used on-site.

**Deadline**

Registrations will be processed according to the date of receipt. Registrations received after March 7, 2008, will not be processed. After March 7, 2008, you must register on-site. On-site registration opens Saturday, April 12, 2008, at 8:00 a.m. in McCormick Place West.

**Questions**

US/Canada (800) 676-4226
International (415) 979-2283
Email aan2008reg@cmrus.com

**Education Program Fee Schedule**

Use this table to calculate the fees for the number of registered programs. Tally the number of each type of program. Multiply the amount by the fee for your membership type. Transfer the total amount to Box B on the registration form. Do not use this schedule for on-site registration. Member and nonmember fees increase $20 per program on-site.

<table>
<thead>
<tr>
<th>Program Type:</th>
<th>JA Member:</th>
<th>Member:</th>
<th>Nonmember:</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC/PC (Half-Day Course)</td>
<td>x $45 =</td>
<td>x $105 =</td>
<td>x $130 =</td>
</tr>
<tr>
<td>AS (After-Dinner Seminar)</td>
<td>x $75 =</td>
<td>x $130 =</td>
<td>x $160 =</td>
</tr>
<tr>
<td>BS (Breakfast Seminar)</td>
<td>x $90 =</td>
<td>x $150 =</td>
<td>x $180 =</td>
</tr>
<tr>
<td>CS (Case Studies Program)</td>
<td>x $110 =</td>
<td>x $175 =</td>
<td>x $210 =</td>
</tr>
<tr>
<td>CL (Coding Lunch)</td>
<td>x $125 =</td>
<td>x $205 =</td>
<td>x $255 =</td>
</tr>
<tr>
<td>DS (Dinner Seminar)</td>
<td>x $155 =</td>
<td>x $255 =</td>
<td>x $305 =</td>
</tr>
<tr>
<td>EP* (Directors Conference)</td>
<td>x $250 =</td>
<td>x $375 =</td>
<td>x $425 =</td>
</tr>
<tr>
<td>FC (Full-Day Course)</td>
<td>x $200 =</td>
<td>x $350 =</td>
<td>x $400 =</td>
</tr>
<tr>
<td>KP (Kick-Off Program)</td>
<td>x $90 =</td>
<td>x $220 =</td>
<td>x $270 =</td>
</tr>
<tr>
<td>LS (Luncheon Seminar)</td>
<td>x $100 =</td>
<td>x $200 =</td>
<td>x $250 =</td>
</tr>
<tr>
<td>PW (PM Skills Workshop)</td>
<td>x $180 =</td>
<td>x $360 =</td>
<td>x $420 =</td>
</tr>
<tr>
<td>SC** (Science Conference)</td>
<td>x $100 =</td>
<td>x $200 =</td>
<td>x $250 =</td>
</tr>
<tr>
<td>SW (Skills Workshop)</td>
<td>x $350 =</td>
<td>x $700 =</td>
<td>x $850 =</td>
</tr>
<tr>
<td>TP (Therapy Program)</td>
<td>x $20 =</td>
<td>x $40 =</td>
<td>x $50 =</td>
</tr>
</tbody>
</table>

**Total Program fees**

(Enter in Box F on Registration Form):

*If you are attending the Clerkship and Program Directors’ Conference (1EP.001) only and no other Annual Meeting events, the cost increases $50.

**If you are attending the Future of Neuroscience Conference: Neuro Repair (7SC.001) only, and no other Annual Meeting events, the cost increases $70 ($170 on-site) and includes Thursday and Friday Scientific events. Medical students and PhD candidates may attend at no charge but MUST register and receive a ticket.
I. Personal Information / One form per registrant

AAN ID Number

Name (last, first, middle) and degree (MD, DO, PhD, RN)

Address

City/State

Zip/Country

Telephone

Fax

Email

2. Education Program

There is a fee for each selected Education Program. Calculate the total in the Education Program Fee Schedule on page 118 and enter in Box B in the Fees section. To register for a program, darken the box.

Saturday, April 12, 2008

☐ 1EP.001 ☐ 1PC.002 ☐ 1KP.004 ☐ 1KP.008
☐ 1AC.001 ☐ 1KP.001 ☐ 1KP.005 ☐ 1KP.009
☐ 1PC.001 ☐ 1KP.002 ☐ 1KP.006

Sunday, April 13, 2008

☐ 2BS.001 ☐ 2AC.003 ☐ 25W.001 ☐ 2DS.002
☐ 2BS.002 ☐ 2AC.004 ☐ 2CL.001 ☐ 2DS.003
☐ 2BS.003 ☐ 2AC.005 ☐ 2CL.002 ☐ 2DS.004
☐ 2BS.004 ☐ 2FC.001 ☐ 2CL.003 ☐ 2DS.005
☐ 2BS.005 ☐ 2FC.002 ☐ 2PC.001 ☐ 2DS.006
☐ 2BS.006 ☐ 2FC.003 ☐ 2PC.002 ☐ 2DS.007
☐ 2BS.007 ☐ 2FC.004 ☐ 2PC.003 ☐ 2DS.008
☐ 2BS.008 ☐ 2FC.005 ☐ 2PC.004
☐ 2AC.001 ☐ 2FC.006 ☐ 2PC.005
☐ 2AC.002 ☐ 2FC.007 ☐ 2DS.001

Monday, April 14, 2008

☐ 3BS.001 ☐ 3AC.005 ☐ 3PC.002 ☐ 3AS.001
☐ 3BS.002 ☐ 3AC.002 ☐ 3PC.003 ☐ 3AS.002
☐ 3BS.003 ☐ 3AC.003 ☐ 3PC.004 ☐ 3AS.003
☐ 3BS.004 ☐ 3AC.004 ☐ 3PC.005 ☐ 3AS.004
☐ 3BS.005 ☐ 3AC.005 ☐ 3PC.006 ☐ 3AS.005
☐ 3BS.006 ☐ 3AC.006 ☐ 3PC.007 ☐ 3AS.006
☐ 3BS.007 ☐ 3AC.007 ☐ 3PC.008 ☐ 3AS.007
☐ 3BS.008 ☐ 3CL.001 ☐ 3DS.001 ☐ 3AS.008
☐ 3AC.001 ☐ 3CL.002 ☐ 3DS.002
☐ 3AC.002 ☐ 3CL.003 ☐ 3DS.003
☐ 3AC.003 ☐ 3LS.001 ☐ 3DS.007
☐ 3AC.004 ☐ 3PC.001 ☐ 3DS.008

Tuesday, April 15, 2008

☐ 4BS.001 ☐ 4BS.004 ☐ 4PC.001 ☐ 4PC.004
☐ 4BS.002 ☐ 4LS.001 ☐ 4PC.002 ☐ 4PC.005
☐ 4BS.003 ☐ 4LS.002 ☐ 4PC.003

Wednesday, April 16, 2008

☐ 5BS.001 ☐ 5BS.005 ☐ 5PC.003 ☐ 5CS.002
☐ 5BS.002 ☐ 5LS.001 ☐ 5PC.004 ☐ 5CS.003
☐ 5BS.003 ☐ 5PC.005 ☐ 5CS.004
☐ 5BS.004 ☐ 5PC.002 ☐ 5CS.001

Thursday, April 17, 2008

☐ 6BS.001 ☐ 6PC.001 ☐ 6TP.001 ☐ 6CS.002
☐ 6BS.002 ☐ 6PC.002 ☐ 6TP.002 ☐ 6CS.003
☐ 6BS.003 ☐ 6PC.003 ☐ 6TP.003 ☐ 6CS.004
☐ 6BS.004 ☐ 6PC.004 ☐ 6CS.001

Friday, April 18, 2008

☐ 7BS.001 ☐ 7AC.002 ☐ 7FC.006 ☐ 7PC.004
☐ 7BS.002 ☐ 7AC.003 ☐ 7SC.001 ☐ 7PC.005
☐ 7BS.003 ☐ 7AC.004 ☐ 7CL.001 ☐ 7PC.007
☐ 7BS.004* ☐ 7AC.005 ☐ 7CL.002 ☐ 7TP.001
☐ 7BS.005 ☐ 7FC.001 ☐ 7LS.001 ☐ 7TP.002
☐ 7BS.006 ☐ 7FC.002 ☐ 7LS.002 ☐ 7TP.003
☐ 7BS.007 ☐ 7FC.003 ☐ 7PC.001
☐ 7BS.008 ☐ 7FC.004 ☐ 7PC.002
☐ 7AC.001 ☐ 7FC.005 ☐ 7PC.003

Saturday, April 19, 2008

* Must also register for 7AC.005

☐ 8BS.001 ☐ 8BS.005 ☐ 8AC.002 ☐ 8AC.006
☐ 8BS.002 ☐ 8BS.006 ☐ 8AC.003 ☐ 8AC.007
☐ 8BS.003 ☐ 8BS.007 ☐ 8AC.004
☐ 8BS.004 ☐ 8AC.001 ☐ 8AC.005

4. Payment

☐ Check/Money Order Payment must accompany registration. Make check pay-able to American Academy of Neurology (US funds only). A $25 charge will apply to checks returned for insufficient funds.
☐ VISA ☐ Master Card ☐ American Express ☐ Diner’s Club

Card number:

Expiration date: / No government credit cards.

I authorize the AAN to charge my credit card the amount determined by the AAN as registration fees.

Signature

Fed ID# 41-0726167AAN

Questions: aan2008reg@cmrus.com

(800) 676-4226 US/Canada / (415) 979-2283 International
Hotel Reservations
Take advantage of the AAN’s special hotel rates to make your trip more affordable. Annual Meeting hotel accommodations are processed by Convention Management Resources (CMR).

AAN Online Hotel Reservations
www.aan.com/go/am

The AAN makes it easy and convenient to book your hotel rooms for the 60th Annual Meeting. Booking online allows you to:
• Take advantage of the AAN’s special hotel rates
• View room descriptions, photos, and availability
• Access maps of hotel proximity to Annual Meeting locations

Mail, Fax, or Telephone Reservations
All correspondence, questions, and inquiries should be directed to CMR at:

Mail:
AAN Housing c/o CMR
33 New Montgomery, Suite 1420
San Francisco, CA 94105
email: aan2008housing@cmrus.com

Fax:
Credit card reservations only
(415) 979-2260

Phone:
Credit card reservations only
US/Canada (800) 676-4226
International (415) 979-2283

Hours:
Monday–Friday
6:00 a.m.–6:00 p.m. (PST)

Deposits
• All hotels require a credit card guarantee or a check deposit of $300 per room and $500 per suite. Deposits will be credited towards your first night’s room and tax.
• No hotel reservation will be processed without a credit card guarantee or a deposit.
• Deposits are refundable up to seven days prior to arrival, after which there will be no refunds.
• Credit cards will be charged for one night’s room and tax if you fail to arrive on the confirmed date of arrival or if you fail to cancel your reservation at least seven days prior to arrival.

Changes and Cancellations
• You will receive your hotel confirmation from CMR. This is the only confirmation you will receive.
• Contact CMR if your housing confirmation is not received within one week of mailing.
• Please check your arrival and departure dates carefully. Note: Some hotels may charge a penalty for changes made to your departure date after you have checked in.
• After March 7, 2008, you may still submit your hotel form to CMR. After this date, however, rooms are subject to availability.

Group Accommodations
Blocks of 10 or more sleeping rooms are considered a group. Fax your written request to (415) 979-2260, or email to aan2008groups@cmrus.com, and you will be contacted by an AAN Housing Consultant.

Additional Tax/Assessments
• Rates do not include the 15.40 % hotel tax.
• An $8 per night assessment fee is included to cover the expense of the convention center.

Why Book a Hotel Room Through the AAN?
Booking your room through the official AAN housing company assures you are getting a room at the hotel that best fits your needs. You are also helping the AAN maintain consistent and competitive registration fees. The reason is simple. When a city is selected as the site for the AAN Annual Meeting, contracts are signed with several hotels reserving a specific number of rooms to be available for meeting attendees. If these rooms are not sold, the AAN is liable financially. Penalties incurred affect the overall costs of the Annual Meeting and what the AAN charges for registration, exhibit space, and other services.
Hotel Reservation Form

Reservation Deadline: March 7, 2008 / Meeting Dates: April 12–April 19, 2008

1. Confirmation to:
   Please type or print clearly. One form per registrant. Confirmations sent by mail, fax, or email.

   Name (last, middle, first) ________________________________
   Company name _________________________________________
   Mailing address _________________________________________
   City/State/Zip Country _________________________________
   Telephone __________________________ Fax _______________________
   Email ________________________________________________

   International attendees indicate country/city code: _____________

2. Hotel Preference:
   Please indicate your choice (list ten hotels).
   Hotel rooms assigned on a first-come, first-served basis.

   1. _______________________________ 6. __________________________
   2. _______________________________ 7. __________________________
   3. _______________________________ 8. __________________________
   4. _______________________________ 9. __________________________
   5. _______________________________ 10. _________________________

3. Accommodations:
   Single: 1 person, 1 bed
   Double/Double: 2 people, 2 beds
   Quad: 4 people, 2 beds
   Suite: 2 bedrooms

   Note: Suites are available on a limited basis. All persons requesting a suite will be contacted by an AAN Housing Consultant.

4. Arrivals and Departures:
   Day and date of arrival: _________________________________
   Day and date of departure: ______________________________

   Note: Some hotels may charge a penalty for departure date changes after check-in.

5. Special Requests:
   Special Needs: _______________________________________
   Smoking room   Non-smoking room

   Note: Special requests are forwarded to the hotels for their consideration and are subject to availability.

6. Occupants:
   List all occupants, giving primary occupant first:

   1. _______________________________________________________
   2. _______________________________________________________
   3. _______________________________________________________
   4. _______________________________________________________

7. Payment
   All AAN hotel reservations must be guaranteed with a credit card or check deposit of $300 per room, $500 per suite. No hotel reservations will be processed without a guarantee. Cancellation deadline is seven days prior to arrival date. Late cancellations subject to forfeit of room deposit or one night’s room plus tax charge.

   □ Check enclosed; Check no. ________________________________
   Payable to: Convention Management Resources

   □ Visa □ MasterCard □ American Express □ Diner’s Club
   Card number: ___________________________________________
   Expiration date: _________________________________________
   Cardholder’s name: _______________________________________
   Signature: ______________________________________________

   To register online visit www.aan.com/go/reg

   By mail:
   AAN Housing/CMR
   33 New Montgomery, Suite 1420
   San Francisco, CA 94105

   By email:
   aan2008housing@cmrus.com

   By phone: Credit card reservations only
   US/Canada (800) 676-4226
   International (415) 979-2283

   By fax: Credit card reservations only
   (415) 979-2260

   Hours:
   Monday–Friday
   6:00 a.m.–6:00 p.m. (PST)
McCormick Place West Convention Center
Complimentary shuttle bus service will be provided between all official AAN Hotels and the McCormick Place West, except the Hyatt McCormick Hotel located adjacent to the convention center.

Sheraton Chicago Hotel & Towers–Headquarters Hotel
301 E. North Water Street
$236 single / double
Located three miles from the Convention Center, the Sheraton Chicago Hotel & Towers offers three restaurants and two bars, 24-hour room service, fitness center, pool, sauna, and business center. The guestrooms offer high-speed Internet access (additional charge), dual-line telephones with dataports and voicemail, cable televisions with pay-per-view, coffeemakers, hairdryers, irons and boards, mini-bars, and bathroom amenities.

Chicago City Centre Hotel
300 East Ohio Street
$209 single / double
Located 3.4 miles from the Convention Center, the Chicago City Centre Hotel & Sports Club offers two restaurants and a bar, 24-hour room service, business center, valet and self-service laundry, and is adjacent to a full fitness complex with pools. The guestrooms offer high speed Internet access (additional charge), telephones with dataports and voicemail, cable televisions with pay-per-view, irons and boards, coffeemakers, hairdryers, and bathroom amenities.

Chicago Marriott Downtown – Smoke Free Property
540 North Michigan Avenue
$269 single / double
Located 3.3 miles from the Convention Center, the Chicago Marriott Downtown Magnificent Mile offers two restaurants and a bar, room service, a pool, fitness center, business center, and valet parking. The guestrooms offer high-speed Internet access (additional charge), dual-line telephones with dataports and voicemail, cable televisions with pay-per-view, coffeemakers, hairdryers, irons and boards, safes, and bathroom amenities.

Courtyard by Marriott Downtown Chicago – Smoke Free Property
30 East Hubbard
$229 single / double
Located 3.3 miles from the Convention Center, the Courtyard by Marriott/Downtown Chicago offers a restaurant, room service, fitness center, pool, business center, and valet parking. The guestrooms offer complimentary high-speed Internet access, dual-line telephones with dataports and voicemail,
cable televisions with pay-per-view, coffeemakers, hairdryers, irons and boards, and bathroom amenities.

5 Courtyard by Marriott
Magnificent Mile ~ Smoke Free Property
165 East Ontario Street
$229 single / double
Located 3.6 miles from the Convention Center, the Courtyard by Marriott/Magnificent Mile offers a restaurant, room service, a pool, fitness center, business center, and concierge services. The guestrooms offer complimentary high-speed Internet access, telephones with voicemail and dataports, cable televisions with pay-per-view, coffeemakers, hairdryers, irons and boards, and bathroom amenities.

6 Fairfield Inn & Suites ~ Smoke Free Property
216 East Ontario Street
$219 single / double
Located 3.5 miles from the Convention Center, the Fairfield Inn and Suites offers a complimentary breakfast, a fitness center, business center, and valet parking. The guestrooms offer complimentary high-speed Internet access, dual-line telephones with voicemail and dataports, cable televisions with pay-per-view, coffeemakers, hairdryers, irons and boards, and bathroom amenities.

7 Fairmont Chicago
200 North Columbus Drive
$274 single / double
Located 2.5 miles from the Convention Center, the Fairmont Chicago offers two restaurants and a bar, 24-hour room service, business center, valet parking, and laundry services. The guestrooms offer high-speed Internet access (additional charge), dual-line telephones with voicemail and dataports, cable televisions with pay-per-view, coffeemakers, hairdryers, irons and boards, and bathroom amenities.

8 Hard Rock Hotel
230 North Michigan Avenue
$289 single / double
Located 2.7 miles from the Convention Center, the Hard Rock Hotel Chicago offers a restaurant and bar, 24-hour room service, 24-hour fitness center, and 24-hour business center. The guestrooms offer complimentary high-speed Internet access, dual-line telephones with dataports and voicemail, state-of-the-art home theater entertainment center with a flat screen TV, DVD system and 5-CD changer, feather-top bedding, irons and boards, coffeemakers, hairdryers, and bathroom amenities.

9 Chicago Hilton & Towers
720 South Michigan Avenue
$240 single / double
Located 1.6 miles from the Convention Center, the Hilton Chicago offer three restaurants and two bars, room service, a business center, fitness center, jogging track, pool, and valet laundry. The guestrooms offer high-speed Internet access (additional charge), dual-line telephones with voicemail and dataports, 27” flat screen cable televisions with pay-per-view, irons and boards, coffeemakers, hairdryers, and bathroom amenities.

10 Hyatt Regency McCormick Place
2233 South Martin Luther King Drive
$270 single / $290 double
Adjacent to the Convention Center, The Hyatt Regency McCormick Place offers three restaurants and a bar, room service, a pool, fitness center, valet parking, business center, and valet laundry. The guestrooms offer high-speed Internet access (additional charge), telephones with voicemail and dataports, cable televisions with pay-per-view, coffeemakers, irons and boards, hairdryers, and bathroom amenities.

11 InterContinental Chicago
505 North Michigan Avenue
$259 single / double standard
$289 single / double deluxe
Located 3.2 miles from the Convention Center, the InterContinental Chicago offers two restaurants and bars, 24-hour room service, business center, valet laundry, fitness center, pool and sauna, and valet parking. The guestrooms offer high-speed Internet access (additional charge), dual-line telephones with dataports and voicemail, cable televisions with pay-per-view, hairdryers, coffeemakers, irons and boards, in-room safes, and bathroom amenities.

12 Residence Inn by Marriott
~ Smoke Free Property
201 East Walton Place
$239 single / double studio
$259 single / double 1-bedroom suite
Located four miles from the Convention Center, the Residence Inn by Marriott is an all-suite property and offers complimentary buffet breakfast, Wednesday night complimentary full dinner buffet, weekday evening reception, fitness center, and valet laundry services. The guest suites offer complimentary high-speed Internet access, dual-line telephones with dataports and voicemail, cable televisions with pay-per-view, coffeemakers, full kitchen appliances, iron and boards, hairdryers, and bathroom amenities.

13 W Chicago Lakeshore
~ Smoke Free Property
172 West Adams Street
$255 single / double
Located 3.5 miles from the Convention Center, the W Chicago Lakeshore offers a restaurant and two bars, 24-hour room service, business center, fitness center, pool, and valet parking. The guestrooms offer high-speed Internet access (additional charge), dual-line telephones with dataports and voicemail, cable televisions with pay-per-view, mini-bars, irons and boards, hairdryers, and bathroom amenities.

14 Westin Michigan Avenue Chicago
~ Smoke Free Property
909 North Michigan Avenue
$269 single / $289 double
Located 3.8 miles from the Convention Center, the Westin Michigan Avenue offers a restaurant and bar, 24-hour room service, a fitness center, jogging path, and business center. The guestrooms offer high-speed Internet access (additional charge), dual-line telephones with dataports and voicemail, cable televisions with pay-per-view, the Westin signature Heavenly Bed, coffeemakers, mini-bars, hairdryers, irons and boards, and bathroom amenities.
**General Information**

Book your travel now to Chicago and take advantage of special airline discounts available to meeting attendees and their companions.

**Airports**

*Chicago is served by two airports:*
- O’Hare International Airport (ORD): 35–40 minutes from the downtown area
- Chicago Midway Airport (MDW): 20–25 minutes from the downtown area

**Reservations and Discounts**

*Carlson Wagonlit Travel*

Carlson Wagonlit Travel has been selected as the official travel agency for the Annual Meeting. As the world’s second-largest travel management company, Carlson Wagonlit Travel provides quality service and exceptional value. For discounted airline tickets to the Annual Meeting and all of your pre- or post-meeting vacation plans including tours, event tickets, car rental, and more, contact Carlson Wagonlit Travel at:

**Phone:** (877) 317-0006  
**Email:** aanparticipants@carlsonwagonlit.com  
**Hours:** Monday–Friday, 7:30 a.m.–5:00 p.m. CST  
Closed weekends and holidays.

A $24 domestic/$52 international per ticket service charge will be assessed.

**Direct Through Airlines**

You may also call your preferred airline directly and receive a 5- to 10-% discount off regularly published fares. You must reference the AAN Annual Meeting and provide the appropriate airline discount code listed below.

<table>
<thead>
<tr>
<th>Airline</th>
<th>Discount Codes</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Airlines</td>
<td>A4348AK</td>
<td>(800) 433-1790</td>
</tr>
<tr>
<td>Northwest Airlines</td>
<td>NMDBP</td>
<td>(800) 328-1111</td>
</tr>
</tbody>
</table>

Discounts are subject to availability-book well in advance. Normal mileage and status upgrades apply for all airline programs.

**Travel Updates**

For travel information updates, visit the AAN Annual Meeting website at www.aan.com/go/am.

---

**AAN Alliance Tours**

**Tours Available in the Chicago Area**

The AAN Alliance offers a variety of tours during the AAN’s 60th Annual Meeting in Chicago. Tours are open to all Annual Meeting attendees, their families, and guests. Tours are sponsored by the AAN Alliance and operated by the “Chicago Is...” tour company.

*Note: All tour buses depart from and return to the Sheraton Chicago Hotel and Towers, Porte Cochere Convention Entrance, Lobby Level. Please arrive 15 minutes prior to departure. All tours are operated by “Chicago Is...”*

**Tour Registration**

Reservations for all tours are available by advance registration only and must be received by March 24, 2008, to guarantee space.

To register, contact “Chicago Is...”

**Online:** abruns@chicagois.com  
**Phone:** (312) 565-1550  
**Fax:** (312) 565-1161  
**Mail:** 151 N. Michigan Avenue Suite 1104, Chicago IL 60601

*When registering, keep the following in mind:*

- Credit card, check, and money order payments will be accepted until March 24, 2008. After that date will be based on availability.
- Advance registration is required.
- Prepaid tickets will be held in your name at the AAN Alliance room in Parlor C, Executive Center, Sheraton Chicago Hotel and Towers
- “Chicago Is...” reserves the right to cancel tours when the minimum number of registrants is not met; registrants pre registering will receive a full refund.*
Sunday, April 13, and Thursday, April 17

Highlights of Chicago
Those famous Chicago winds have blown in a massive transformation. Chicago’s motto, “City in a Garden,” is much more than a catchy slogan. Lines of newly planted trees grace lush parkways and gardens. Planters filled with varieties of vibrant plants and flowers line the streets. The extraordinary and vast Millennium Park stretches from Michigan Avenue to the glorious lakefront. Navy Pier, Chicago’s number one tourist attraction, imparts a carnival-like atmosphere to the city year-round. The ever-increasing shopping attractions along the Magnificent Mile, the expanding theatre scene, and a plethora of world-class museums fill the city with effervescence and variety.

Guests will see Chicago’s vistas from major parks, including Grant, Lincoln and new and impressive Millennium Park. Chicagoans take great pride in the city’s major contribution to world architecture.

Occupying pride of place on the tour are the varied views of the city’s crown jewel—Lake Michigan. The enormity of the over 300-mile long and over 100-mile wide body of fresh water gives new meaning to the term “inland sea.” Guests will learn how the early city planners separated the city’s commerce and buildings from the beaches, parks and inviting lakeshore and discover why over 30 million visitors each year say, “Chicago is my kind of town.”

Monday, April 14, 2008

A Young Man on a Mission: Frank Lloyd Wright in Oak Park
In 1889, 22-year-old Frank Lloyd Wright, lacking both formal training and an academic degree, began a quiet movement in the Oak Park house he designed and built for a growing family. From this home, his imaginative art and daring designs became world famous. Wright called his new movement the “Prairie School.” More than a century later, it ranks as America’s most influential architectural expression. Each year the American Institute of Architects names Frank Lloyd Wright as “the most original architect the U.S. ever produced—and more important—one of the most creative architectural geniuses of all time.” Now you can visit the place where it all began. Specially trained architectural docents will conduct comprehensive, small group inspections of the residence, now fully restored to its original 1889 appearance.

A second visit will be made to nearby Unity Temple. Wright called it “my little jewel box.”

Winberie’s—Oak Park
On the busy corner of Oak Park Avenue and Lake Street, Winberie’s has become a favorite stop along Oak Park’s “restaurant row.” Reflecting the friendly, casual atmosphere of a stylish American Bistro, the simple, warm decor includes traditional finishes of wood, brass, marble, and fine imported fabrics. The cozy dining rooms with harvest gold painted walls and subtle lighting feature a collection of unique European art deco posters. Black and white tile floors and a jazz soundtrack add even more to the 1920s European vibe. Casually dressed Oak Park couples and small groups frequent Winberie’s for its unique blend of French, Italian and American fare. At Winberie’s, menu selections are created from high quality fresh ingredients, which include fresh salads, sandwiches, choice beef, fresh fish and seafood,

Tuesday, April 15, 2008

Architectural River Cruise
The cool mist off the lake, the magnificence of the city skyline and the tranquility of lapping waves set the mood for a wistful afternoon of cruising the Chicago River. Visitors and Chicagoans alike say that the best way to really see the city’s profile is on an architectural cruise along the Chicago River and Lake Michigan. Guests will learn how in the 19th Century, the modern city grew from a trading post to become the world’s fastest growing metropolis.

Guests will view an extraordinary array of great structures, including Lake Point Tower, Wrigley Building, IBM Building, NBC Tower, Tribune Tower, Civic Opera House, Sears Tower, Marina City, Board of Trade, and scores more. From the river, the boat will venture out to Lake Michigan where guests will be treated to a rich view of the entire skyline. An architectural docent will provide live narration featuring an overview of architecture and history. Guests will find out little known facts about the history of Chicago’s buildings, including juicier details of scandals, corruption, conflict, etc.—all the material that makes for great entertainment.

Wednesday, April 16, 2008

Merchandise Mart Tour
Opened in 1930 by Marshall Field & Company, the Merchandise Mart is the world’s largest commercial building, the world’s largest wholesale design center, and one of Chicago’s premier international business locations. Encompassing 4.2 million square feet, the Mart spans two entire city blocks, and rises 25 stories. The Mart welcomes over three million visitors every year. Sixty percent of the building’s area is devoted to wholesale showrooms, and features a variety of retail shops, services and restaurants. The 90-minute guided tours of the Mart are filled with interesting and obscure facts about the history of the building. Guests are guided throughout showrooms representing the commercial, residential, kitchen and bath, decorative accessories and gift industries. (Tours do not grant access into the showrooms and do not include the Apparel Center). After the tour, guests are free to shop on the public (first two) floors.

<table>
<thead>
<tr>
<th>Price: $45 per person</th>
<th>Price: $60 per person</th>
<th>Price: $100 per person</th>
<th>Price: $55 per person</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lunch at Winberie’s</td>
<td>Architectural River Cruise (1.5 hours)</td>
<td>Architectural Tour of Frank Lloyd Wright’s Home &amp; Studio, Guided Tour of the Unity Temple</td>
<td>Transportation</td>
</tr>
<tr>
<td>Transportation</td>
<td>Transportation</td>
<td>Transportation</td>
<td>Transportation</td>
</tr>
<tr>
<td>Hours: 11:00 a.m.–2:00 p.m.</td>
<td>Hours: 10:00 a.m.–12:30 p.m.</td>
<td>Hours: 10:00 a.m.–3:00 p.m.</td>
<td>Hours: 9:30 a.m.–12:30 p.m.</td>
</tr>
<tr>
<td>Includes: Transportation</td>
<td>Includes: Transportation</td>
<td>Includes: Transportation</td>
<td>Includes: Transportation</td>
</tr>
<tr>
<td>Price: $45 per person</td>
<td>Price: $60 per person</td>
<td>Price: $100 per person</td>
<td>Price: $55 per person</td>
</tr>
</tbody>
</table>
To help build careers in neurology, the AAN 60th Annual Meeting offers a variety of opportunities to students, residents, and fellows. Annual Meeting registration for students, residents, and fellows includes scientific platform and poster sessions, Plenary Sessions, Colloquiums, Awards Luncheon, 60th Anniversary Party, and Exhibits. Medical students and residents also receive a reduced rate for Education Programs.

Medical students who present a student ID card or are AAN members receive free admission to the Annual Meeting. See page 118 for registration rates for residents and fellows.

**Basic Science Resident Curriculum**
The resident neuroscience initiative is a three year basic science curriculum for residents at the Annual Meeting. The curriculum is intended to help neurology residents prepare for requirements from the Neurology Resident Review Committee (RRC), Part I of the Neurology Boards, and the Resident In-Service Training Examination (RITE).

Topics over the three-year cycle are neuro-anatomy, neurophysiology, neuropathology, neuropharmacology, genetics, and development. Programming will be held as two half-day courses on the first Saturday of the Annual Meeting. This year’s topics are:

- IAC.001 Resident Basic Science I: Anatomy
- IPC.001 Resident Basic Science II: Physiology

See page 19-20 for more details.

**Residents and Fellows Luncheon**
**Sunday, April 13**
12:00 p.m.–2:00 p.m.

This luncheon honors Annual Meeting Resident Scholarship recipients. The Consortium of Neurology Residents and Fellows (CNRF) Business Meeting is incorporated into the luncheon. Elections will be conducted for the new chair-elect position and activities for involvement within the AAN will be highlighted.

Free and open to all registered residents and fellows, however RSVP is required. RSVP to Cheryl Alementi at calementi@aan.com by March 3, 2008, to confirm your seat.

**60th Anniversary Party: Neurobowl®, Second City Comedy Troupe, Neuro Idol, Neuro Theater, and Music of the Decades**
**Sunday, April 13**
6:00 p.m.–11:00 p.m.
McCormick Place West, Third Floor
See page 26 for details.

**Residents and Fellows Career Forum and Reception**
**Monday, April 14**
**Fellowship Panel**
6:30 p.m.–7:30 p.m.

Learn how to search for a fellowship, how program directors select fellows, and how a fellowship could benefit your career. Free and open to all meeting registrants. Poster session will follow the reception.

**Poster Forum and Reception**
7:30 p.m.–9:00 p.m.

Meet representatives from various neurology programs and address fellowship questions to program directors and fellows. Free and open to all meeting registrants.

**American Board of Psychiatry and Neurology Resident Informational Session**
**Monday, April 14**
5:00 p.m.–6:30 p.m.

Meet members of the American Board of Psychiatry and Neurology (ABPN). The panel will discuss all aspects of the neurology boards and what is expected from candidates. Free and open to all meeting registrants.

**SIGN Meeting and Reception**
**Monday, April 14**
Meeting, 4:00 p.m.–5:30 p.m.
Reception, 5:30 p.m.–6:30 p.m.

Student and faculty representatives from existing Student Interest Groups in Neurology (SIGN) chapters and those interested in starting chapters will gather for presentations and discussion to be followed by a reception. This is free and open to all medical students.

**American Academy of Neurology and American Academy of Neurology Foundation Awards Luncheon**
**Wednesday, April 16**
12:00 p.m.–1:30 p.m.
McCormick Place West, Ballroom

Join AAN leaders as they honor the recipients of the 2008 AAN Awards. From enterprising high school students to world-renowned researchers, this program recognizes some of the top accomplishments in neuroscience research. See page 73 for information.

**Resident/Medical Student Rush Line**
Check in at the Membership Booth each morning for tickets to available courses for that day. Two tickets will be held for each course, available on a first-come, first-served basis. Eligible participants are limited to one free course per day, two free courses for the week unless there are unclaimed tickets ten minutes prior to a course starting. The program is available for half-day and full-day courses, case-study programs, and kick-off and therapy programs. Seminars, workshops, and luncheons are not included.

[Opportunities to Save Money: See page 115 • Education and Scientific Program Monitors • EMG Workshop Subjects](#)
The 2008 Annual Meeting practice improvement and advocacy events feature an array of topics that are of critical importance to your profession as well as to the care you provide. Activities include discussions on practice issues such as patient safety, optimizing reimbursement, and advocacy concerns.

**Practice Colloquium:**
“Health Care at a Crossroads: A Perspective on the Current Climate and How the 2008 Elections Will Impact Neurologists”
Saturday, April 12
3:30 p.m.–5:30 p.m.

With health care identified as the top domestic issue for the 2008 elections, don’t miss this opportunity to hear firsthand where the future of health care in the US is heading. Morton Kondracke will discuss current issues facing the health care industry, and representatives from the presidential candidates will address how the candidates propose to overhaul the system. The colloquium will include time for questions.

**BRAINS Colloquium**
“The BRAINS Behind Our Business and Topics in Practice Management and Finance”
Sunday, April 13
2:15 p.m.–6:00 p.m.

The colloquium focuses on information for BRAINS (Business and Research Administrators in Neurology Society) members. Topics include additional revenue opportunities, billing compliance for academics and private practices, compensation models, and recruitment of physicians and allied health professionals. Free to all meeting registrants. The BRAINS business meeting follows the colloquium from 6:30 p.m. to 7:30 p.m.

**Kenneth M. Viste, Jr., MD, Neurology Public Policy Fellowship Information Session**
Monday, April 14
12:00 p.m.–1:00 p.m.

Gain hands-on experience in federal policy and develop the kind of political relationships that help promote the interests of neurology. This session offers you the opportunity to meet with past fellows and selection committee members to learn more about the yearlong paid fellowship in Washington, DC, offered by the AAN, the American Neurological Association, and the Child Neurology Society.

**Guidelines, Practice, and Advocacy Open House**
Monday, April 14
3:00 p.m.–5:30 p.m.

Get tools and advice to help you succeed in practice. View posters of recent and upcoming guidelines on controversial clinical issues and discuss the conclusions with the authors. Learn more about advocacy, coding, maximizing, reimbursement, effective practice management, patient safety, and health literacy. Complimentary cocktails and appetizers will be provided.

**EHR Chart Challenge**
Tuesday, April 15
1:00 p.m.–4:00 p.m.

Six electronic health record (EHR) vendors will demonstrate a typical, neurology-specific scenario, allowing the audience to make their own product comparisons.

**Palatucci Advocacy Leadership Forum Graduate Reunion**
Tuesday, April 15
5:00 p.m.–6:30 p.m.

Please join the AAN Advocacy Staff and your fellow graduates in honoring the 2008 Program Advisors. This event also allows program graduates to visit and reconnect before enjoying the President’s Reception.

**State Society Leadership Roundtable**
Wednesday, April 16
7:00 a.m.–9:00 a.m.

Leadership representatives of state neurosocieties will be invited to discuss common issues and share information on organizational efforts in their states. The AAN’s Advocacy staff will brief the group on ways the Academy can support their activities.

**Controversial Issues in Practice Session**
Wednesday, April 16
5:00 p.m.–7:00 p.m.

This session will highlight a hot topic in the practice of Neurology. Topic to be determined at a later date.

**State Neurosociety Affiliate Meetings**
Several state neurological societies will have an opportunity to meet as a group to discuss current issues in their respective states. The AAN staff will provide information on how the Academy can support their advocacy agendas and assist in building their societies. These meetings are an excellent opportunity for interested members to begin discussions about forming start-up state neurology societies in states that do not currently have one. See affiliate meeting listing on-site for dates and times.

If you would like the AAN to host a State Neurology Society Affiliate Meeting during the 2008 Annual Meeting please contact State Society Relations Administrator, Jeromy Carlson at jcarlson@aan.com or (651) 695-2735.

---

**Center for Health Policy Booth**
Saturday, April 12–Friday, April 18 / 8:00 a.m.–6:00 p.m.
Saturday, April 19 / 8:00 a.m.–12:00 p.m.

Visit with the AAN’s Center for Health Policy staff and learn more about current and upcoming activities in clinical practice guidelines, practice management, patient safety, and advocacy. Look for us in the McCormick Place West.
Annual Meeting Committees

Meeting Management Committee
Timothy A. Pedley, MD, FAAN, Chairman
Terrence L. Cascino, MD, FAAN
Stanley Fahn, MD, FAAN
William D. Freeman, MD
Ralph F. Józefowicz, MD, FAAN
Judy Katterhenrich
Robert T. Leshner, MD, FAAN
Brandy R. Matthews, MD
Aaron E. Miller, MD, FAAN
Sandra F. Olson, MD, FAAN
Stefan M. Pulst, MD, FAAN
Steven P. Ringel, MD, FAAN
Stephen M. Sergay, MB BCh, FAAN
Kapil D. Sethi, MD, FRCP, FAAN
James C. Stevens, MD, FAAN
Austin J. Sumner, MD, FAAN
Thomas R. Swift, MD, FAAN

Education Committee
Ralph F. Józefowicz, MD, FAAN, Chair
Peter R. Bergethon, MD
John Corboy, MD, FAAN
Frederick G. Flynn, DO, FAAN
Mariecken V. Fowler, MD
Jonathan P. Hosey, MD
H. Royden Jones, Jr., MD, FAAN
Edgar J. Kenton, III, MD, FAAN
Steven L. Lewis, MD
D. Joanne Lynn, MD
Aaron E. Miller, MD, FAAN
Jennifer R. Molano, MD
John C. Morgan, MD, PhD
Karen L. Roos, MD, FAAN
Joseph E. Safdieh, MD
Linda M. Selwa, MD, FAAN
Barney J. Stern, MD, FAAN
Michael R. Watters, MD, FAAN
Daniel B. Hier, MD, MBA, FAAN

Annual Meeting Subcommittee
Ralph F. Józefowicz, MD, FAAN, Chair
Thomas D. Bird, MD, FAAN
Charles C. Flippen, II, MD, FAAN
Neill R. Graff-Radford, MD, FAAN
Patrick A. Griffith, MD, FAAN
Kimford J. Meador, MD, FAAN
Jonathan W. Mink, MD, PhD, FAAN
Mark L. Moster, MD, FAAN
Kathleen M. Shannon, MD

Science Committee
Stefan M. Pulst, MD, FAAN, Chair
Brenda Banwell, MD
Susan B. Bressman, MD, FAAN
Cynthia L. Comella, MD, FAAN
Jasper R. Daube, MD, FAAN
Neill R. Graff-Radford, MD, FAAN
John W. Griffin, MD
Carlayne E. Jackson, MD, FAAN
S. Claiborne Johnston, MD, PhD
Samia J. Khoury, MD
Massimo Pandolfo, MD
Ronald C. Petersen, PhD, MD
Walter A. Rocca, MD, MPH
Raymond P. Roos, MD, FAAN
Thomas R. Swift, MD, FAAN
Jeffrey M. Vance, MD, PhD
John W. Henson, MD, FAAN, Ex-Officio
Walter J. Koroshetz, MD, FAAN, Ex-Officio
Timothy A. Pedley, MD, FAAN, Ex-Officio

Annual Meeting Staff

Catherine M. Rydell
Executive Director/CEO
AAN Foundation Executive Director

Christine E. Phelps
Chief Education and Science Officer
Interim Director, AAN Foundation

Kris Fridgen
Associate Director, Center for Education and Science

Judy Larson
Associate Director, Conference Management

Susan Rodmyre
Associate Director, Education

Andrea Weiss
Center for Education and Science
Publications Senior Manager

Alberta Zais
Associate Director, Corporate Relations

Cheryl Alementi
Administrator, Education

Bridget Farley
Manager, Exhibits and Corporate Relations

Andy Halverson
Center for Education and Science
Promotions Program Manager

Kevin Heinz
Manager, Scientific Program

Erin Jackson
Administrator, Scientific Program

Kristen Klein
Senior Specialist, Conference Management

Kyle Krause
Specialist, Scientific Program

Deann Kukla
Administrator, Education Programs

Valerie Mendoza
Program Manager, Conference Management

Tina Novack
Administrator, Center for Education and Science

Lucy Persaud
Program Manager, Education

Kelly Piatt
Manager, Education Program

Nancy Poechmann
Senior Administrator, Education

Franziska Schwarz
Administrator, Conference Management

Naomi Soderbeck
Senior Specialist, Education Program

Lori Strachota
Senior Administrator, Registration Services
Celebrating Six Decades of Progress in Neurology

“For the past 60 years, the Academy has advanced the science, teaching, and practice of neurology throughout the US and across the globe. Since 1948, the AAN has strived to provide its members with premier scientific inquiry through the journal Neurology®, exceptional Annual Meeting presentations, and a curriculum that has set the standard for continuing medical education. Now more than 20,000 members strong, we are celebrating our grand achievements, and look ahead as we continue our efforts to provide the best possible care for neurology patients in the decades to come. Please join us in Chicago for this landmark Annual Meeting!”

—Stephen M. Sergay, MB BCh, FAAN, AAN President

AAN 60th Annual Meeting, Chicago
April 12-19, 2008

Registration and Hotel Reservation Deadline: March 7, 2008
Registration, Hotel, and Travel Reservations: www.aan.com/go/am

Suggest an Education Program for Upcoming Meetings

2009 Annual Meeting in Seattle

The AAN invites you to submit an education program suggestion or single lecture idea for the 61st Annual Meeting, April 25 through May 2, 2009, in Seattle. Proposals for new programs are due by May 2, 2008. Submit a proposal via the Annual Meeting Website at www.aan.com/go/am.

For questions or more information on the Annual Meeting Education Program, contact Kelly Piatt at kpiatt@aan.com or (651) 695-2709.
Register Early

The deadline for registering without incurring increased general registration and education program fees is March 7, 2008. Registrations received after March 7, 2008, will not be processed and will need to be handled on-site beginning Saturday, April 12, 2008, at 8:00 a.m. at McCormick Place West.

Visit the Annual Meeting Online

Visit the AAN Annual Meeting website at www.aan.com/claim to:
• Register for the Annual Meeting
• Make travel and hotel arrangements
• Search the Education Program
• Learn more about special events
• Submit abstracts
• Apply for awards

Upcoming Annual Meeting Dates

2009: Seattle, WA
April 25–May 2, 2009

2010: Toronto, ON, Canada
April 13–April 17, 2010

2011: Honolulu, HI
April 9–April 16, 2011

Register Early

The deadline for registering without incurring increased general registration and education program fees is March 7, 2008. Registrations received after March 7, 2008, will not be processed and will need to be handled on-site beginning Saturday, April 12, 2008, at 8:00 a.m. at McCormick Place West.

Visit the Annual Meeting Online

Visit the AAN Annual Meeting website at www.aan.com/claim to:
• Register for the Annual Meeting
• Make travel and hotel arrangements
• Search the Education Program
• Learn more about special events
• Submit abstracts
• Apply for awards

Upcoming Annual Meeting Dates

2009: Seattle, WA
April 25–May 2, 2009

2010: Toronto, ON, Canada
April 13–April 17, 2010

2011: Honolulu, HI
April 9–April 16, 2011