This course is designed as a multi-part educational activity over three days, and the parts can be taken individually or together. The first day, *Advances in Stroke 2017*, reviews the latest developments in stroke therapeutics, including both acute and preventative therapies. This will include new data on a variety of pharmacologic, surgical, and endovascular approaches for stroke treatment. A case-based format will be utilized throughout to illustrate the clinical relevance of the latest research findings.

The second and third days, *Foundations of Neurologic Practice 2017: Common Problems in Clinical Neurology* and *Advanced Neurology*, are designed to enhance the diagnostic and management skills related to neurologic conditions most frequently encountered in clinical practice. Speakers will provide a symptom-based approach to diagnosis and a review of the latest literature informing treatment decisions. Course topics are designed to simulate encounters as they would appear in actual clinical practice. The latest groundbreaking science and diagnostics will be explored, as well as therapeutic innovations in epilepsy, neuromuscular disease, autoimmune neurology, and neurodegenerative diseases.

This activity has been designed for Neurologists, Internal Medicine and Family Practice Physicians, Cardiologists, Radiologists, Emergency Medicine Physicians, Nurses, Nurse Practitioners, Physician Assistants, and other healthcare professionals.

**Learning Objectives Day 1**

**Advances in Stroke 2017**

Upon completion of the activity, participants should be able to:

- Accurately select patients with acute ischemic stroke for thrombolytic therapy
- Implement measures to speed delivery of thrombolytic therapy
- Discuss the role of mechanical thrombectomy in acute ischemic stroke
- Optimize treatment of patients with intracerebral hemorrhage
- Implement optimal pharmacologic therapies to minimize stroke recurrence
- Assess features of patients at high-risk of undetected paroxysmal atrial fibrillation and review diagnostic tools to identify paroxysmal atrial fibrillation in these patients
- List current treatment options for patients with stroke and atrial fibrillation
- Evaluate options for intervention in asymptomatic carotid stenosis
- Determine the role of PFO in stroke
Learning Objectives Day 2 and 3

**Foundations of Neurologic Practice 2017**

**Day 2**

Upon completion of the activity, participants should be able to:

- Confidently perform a detailed neuromuscular examination and efficiently record findings
- Identify patterns of aging nervous system function and answer questions about mitigating cognitive decline by physical, dietary, and mental exercise
- Perform head-thrust and Dix-Hallpike maneuvers and distinguish causes of acute vestibular syndrome
- Explain uses and adverse effects of new anti-epileptic drugs with particular consideration of adjusting treatment approach to women
- Evaluate a patient with medically unexplained physical symptoms with sensitive and effective strategies to mitigate symptoms
- Perform a cost-effective workup of polyneuropathy
- Identify headache patterns requiring specific approaches such as the Cefaly device and botulinum toxin
- Discuss the role of vitamin D in neurologic disease treatment
- Review optic neuritis and idiopathic intracranial hypertension
- Explain white matter abnormalities on MRI that are not suggestive of MS or other neurologic disease
- Choose appropriate pharmacotherapy for neurogenic bladder
- Evaluate concussion following guidelines for return to activity
- Construct individualized management plans and strategies for neuropathic pain including cannabis

**Day 3**

Upon completion of the activity, participants should be able to:

- Review the names and indications of the medications and devices that have become available for the treatment of Parkinson’s disease, neuromuscular diseases and epilepsy over the last 5 years
- Describe the changes in DBS technology that are expected to become clinically available over the next 5 years
- Cite the common pathologic changes that lead to neurodegeneration, according to the latest animal and human studies
- Discuss the diagnostic tests for muscle disease and autoimmune encephalitis that have become available over the last 5 years
Hosting Department

Advances in Stroke 2017 and Foundations of Neurologic Practice 2017: Common Problems in Clinical Neurology and Advanced Neurology is hosted by the Department of Neurology, Perelman School of Medicine at the University of Pennsylvania.

Accreditation

Physicians: The Perelman School of Medicine at the University of Pennsylvania is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Nurses: Penn Medicine Nursing is an approved provider of continuing nursing education by the Pennsylvania State Nurses Association, an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation. Approval # 124-3-H-15.

Designation of Credit

Physicians: The Perelman School of Medicine at the University of Pennsylvania designates this live activity for a maximum of 21.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Day 1 Advances in Stroke 2017 – 7.5 AMA PRA Category 1 Credits™
Day 2 Foundations of Neurologic Practice 2017, Common Problems in Clinical Neurology – 8.0 AMA PRA Category 1 Credits™
Day 3 Foundations of Neurologic Practice 2017, Advanced Neurology – 5.5 AMA PRA Category 1 Credits™

Nurses: The program will award 20.5 contact hours.

Day 1 Advances in Stroke 2017 – 6.75 contact hours
Optional Session “Joint Commission Stroke Center Certification” – .5 contact hours
Day 2 Foundations of Neurologic Practice 2017, Common Problems in Clinical Neurology – 7.0 contact hours
Optional Early Session “Practice Your Examination Skills” – 1.0 contact hours
Day 3 Foundations of Neurologic Practice 2017, Advanced Neurology – 5.25 contact hours

Physician Assistants: AAPA accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit™ from organizations accredited by ACCME or a recognized state medical society. PAs may receive a maximum of 21.0 Category 1 credits for completing this activity.

Certificates and Transcripts: After the symposium has concluded, all participants will receive a follow-up email containing a link to the post-test, symposium evaluation and credit request. Once participants submit the request for credit, the credit can be viewed on a transcript or certificate can be printed by logging onto www.penncmeonline.com.
Disclosures
Perelman School of Medicine at the University of Pennsylvania Office of Continuing Medical and Interprofessional Education, adheres to the ACCME Standards for Commercial Support. Faculty and planners’ disclosure information will be made available in the conference materials and syllabi. Faculty members are also expected to disclose to participants any discussions of off-label and/or investigational uses of pharmaceutical products within their presentations.

Registration Fees
The registration fees for Advances in Stroke 2017 and Foundations of Neurologic Practice 2017 (Thursday, Friday and Saturday attendance) are $550 for Physicians and Industry personnel, $350 for Nurses and Healthcare Professionals and $200 for Residents and Fellows.

The registration fees for any combination of two days (Thursday, Friday and/or Saturday) are $400 for Physicians and Industry personnel, $250 for Nurses and Healthcare Professionals or $125 for Residents and Fellows.

The registration fees for single-day attendance (Thursday, Friday or Saturday) are $250 for Physicians and Industry personnel, $150 for Nurses and Healthcare Professionals or $75 for Residents and Fellows.

Penn Medicine faculty, employees and staff will receive a 50% discount off of the above rates. A copy of your Penn Medicine ID or ID number is required. Please email pennmcem@mail.med.upenn.edu or call 215-898-8005 for the Penn Medicine code to use when registering online.

The registration fee includes attendance to the conference (Advances in Stroke 2017, Foundations of Neurologic Practice 2017 OR any part thereof), a course booklet, a link to view the presentations online and a link to obtain your certificate. Continental breakfast(s), all breaks and lunch(es) are also included.

If you are registering with a credit card, please register online at www.penncmeonline.com, then click on CME activities/Live Events. We cannot accept faxed or mailed registration forms with credit card information. To pay by check, complete the registration form and mail it in with your check. Please see the registration form for mailing information. Please note: mailed registrations can take up to 5-10 business days before they are received. All registrations will be confirmed by email as long as your registration is received no later than October 20, 2017.

Cancellation and Refund Policy
In order to process refunds for course withdrawals, cancellations must be received in writing by October 20, 2017 (subject to a service charge of 10% of the registration fee but not less than $15.00). No refunds will be issued after October 20, 2017.

The University reserves the right to cancel or postpone any course due to unforeseen circumstances. In the event of cancellation or postponement, the University will refund registration fees but is not responsible for related costs or expenses to participants, including cancellation fees assessed by hotels, airlines, and travel agencies.
Meeting Location

Advances in Stroke 2017 and Foundations of Neurologic Practice 2017 will be held Thursday-Saturday, November 2-4, 2017 at the Smilow Center for Translational Research, Perelman School of Medicine at the University of Pennsylvania, 3400 Civic Center Boulevard, Philadelphia, Pennsylvania, 19104.

Directions & Parking: The Arthur H. Rubenstein Auditorium is located on the 1st Floor level of the Smilow Translational Research Center (TRC). Smilow TRC is connected to the Perelman Center for Advanced Medicine and is located at 3400 Civic Center Blvd, Philadelphia, PA. We strongly recommend you use GPS or an online driving directions site (such as mapquest.com, drivingdirections.com or googlemaps.com) for exact directions to and from your starting point.

If you prefer to take public transportation to and from campus, please visit http://www.upenn.edu/services/transportation for options.

On Thursday and Friday, November 2-3, the 3600 Civic Center Blvd Parking Garage is open for public parking. This garage is accessible from Civic Center Blvd and is located at Civic Center Blvd and West Service Drive (next to the Colket Research Center). Smilow TRC is about a 5 minute walk from this parking garage. Parking is $20 per day. This garage is only open Monday-Friday. It is closed on weekends.

On Saturday, November 4th, the Perelman Center for Advanced Medicine garage (3400 Civic Center Blvd) is open and available to those attending the Advances in Stroke/Foundations of Neurologic Practice attendees. Parking is approximately $20 per day.

Parking fees are the responsibility of the attendee and are not reimbursed by the course.

Overnight Accommodation Options

There are no special room rates for course participants. Please contact the following hotels directly if you are interested in overnight room reservations:

Homewood Suites by Hilton
4109 Walnut Street, Philadelphia, PA, 19104
215-382-1111
www.HomewoodUnivCity.com
*Homewood Suites offers a complimentary shuttle service to Penn’s campus

The Inn at Penn
3600 Sansom Street, Philadelphia, PA 19104
215-222-0200
www.theinnatpenn.com

Sheraton University City Hotel
3600 Chestnut Street, Philadelphia, PA 19104
215-387-8000
www.sheraton.com/universitycity
COURSE DIRECTOR
Brett Cucchiara, MD
Associate Professor of Neurology
University of Pennsylvania
Medical Center
Philadelphia, PA

GUEST FACULTY
Walter Kernan, MD
Professor of Medicine
Yale University School of Medicine
New Haven, CT

Darcy Reisman, PhD, PT
Associate Professor
Department of Physical Therapy
University of Delaware
Newark, DE

FACULTY
All faculty are from the University of Pennsylvania Health System, Philadelphia, PA

Robert Hurst, MD
Professor of Radiology

Scott E. Kasner, MD
Professor of Neurology

David Kung, MD
Assistant Professor of Neurosurgery

Jean Luciano, RN, CRNP
Coordinator, Penn Comprehensive Stroke Center

Steven R. Messé, MD
Associate Professor of Neurology

Michael Mullen, MD
Assistant Professor of Neurology

Pasquale Santangeli, MD
Assistant Professor of Medicine—Cardiology

---

**Advances in Stroke 2017**

**Services for the Disabled** If special arrangements are required for an individual with a disability to attend this meeting, please contact the Office of Continuing Medical Education no later than October 20, 2017, at 215-898-6400.

**Nondiscrimination Statement** The University of Pennsylvania values diversity and seeks talented students, faculty, and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, sex, sexual orientation, gender identity, religion, color, national or ethnic origin, age, disability, or status as a Vietnam Era Veteran or disabled veteran in the administration of educational policies, programs or activities; admissions policies; scholarship and loan awards; athletic, or other University administered programs or employment. Questions or complaints regarding this policy should be directed to Executive Director, Office of Affirmative Action and Equal Opportunity Programs, 3600 Chestnut Street, Sansom Place East Suite 228, Philadelphia, PA 19104-6106 or 215-898-6993 (Voice) or 215-898-7803 (TDD). www.upenn.edu/affirm-action.
DAY 1 | Thursday, November 2, 2017

ADVANCES IN STROKE 2017

7:45-8:15 AM  Registration and Continental Breakfast

8:15-8:30 AM  Welcome and Introduction
  Brett Cucchiara, MD

8:30-9:00 AM  Acute Stroke Therapy – The Essentials
  • Basics of acute stroke supportive care
  • Intravenous thrombolysis
    • Strategies to reduce door to needle time
    • Recent revisions to tPA eligibility
  • Minor strokes – to treat or not?
  Steven R. Messé, MD

9:00-9:30 AM  Mechanical Thrombectomy – The Mechanics
  Robert Hurst, MD

9:30-10:05 AM Mechanical Thrombectomy – The Evidence
  • Clinical trial data
  • Extending the time window – the DAWN and DEFUSE trials
  • Perfusion imaging for patient selection
  Scott Kasner, MD

10:05-10:15 AM Q and A/Panel Discussion

10:15-10:30 AM Break

10:30-11:00 AM Intracerebral Hemorrhage – New Surgical Strategies
  David Kung, MD

11:00 AM-12:00 PM Special Scenarios in Acute Stroke and Intracerebral Hemorrhage
  • The anticoagulated patient – when and how to treat
  • Early CT changes – how much is too much?
  • Acute stroke due to infectious endocarditis
  • Acute stroke due to arterial dissection
  • ICH due to venous sinus thrombosis
  Panel discussion led by Brett Cucchiara, MD

12:00-1:30 PM Lunch

1:30-2:30 PM Secondary Stroke Prevention – Beyond Anti-thrombotics
  • New diabetes drugs
  • Lipid lowering therapy
  • Blood pressure – how low should we go?
  • Weight loss and behavioral risk factor modification
  Walter Kernan, MD
2:30-3:00 PM  What’s New in Atrial Fibrillation
• Limitations of inpatient telemetry
• Mobile cardiac outpatient telemetry
• Event loop recorders / implantable monitors
• How much AF is important?
• New devices for treatment of AF
   Pasquale Santangeli, MD

3:00-3:15 PM  Break

3:15-3:45 PM  Advances in Physical Therapy for Stroke
   Darcy Reisman, PhD, PT

3:45-4:05 PM  Challenges in Stroke Prevention: Peri-operative “Clearance”
• Assessing risk of peri-operative stroke
• Should I fix this patient’s carotid before surgery?
   Michael Mullen, MD

4:05-4:30 PM  Challenges in Stroke Prevention: The Patient with PFO
• New data from RCTs
  • REDUCE
  • CLOSE
• FDA approval – what does it mean?
• Treatment recommendations
   Steven R. Messé, MD

4:30-4:50 PM  What’s New in Antithrombotic Therapy?
• Expanding use of direct oral anticoagulants
• Anticoagulation reversal
• New antithrombotic trial results
  • TARDIS, SOCRATES, COMPASS
• Treatment recommendations
   Scott Kasner, MD/Brett Cucchiara, MD

4:50-5:15 PM  Q and A/Panel Discussion

5:15 PM  Adjourn

5:15-5:45 PM  Optional Session: Joint Commission Stroke Center Certification
   Jean Luciano, CRNP; Scott Kasner, MD
COURSE CO-DIRECTORS
Andres Deik, MD, MSEd
Assistant Professor of Clinical Neurology
Director of Experimental Therapeutics,
Parkinson’s Disease and Movement Disorders Center
University of Pennsylvania
Philadelphia, PA

Amy Pruitt, MD
Professor of Neurology
Vice Chair for Education
Department of Neurology
University of Pennsylvania
Philadelphia PA

FACULTY
All faculty are from the
University of Pennsylvania Health System, Philadelphia, PA

Geoffrey Aguirre, MD, PhD
Associate Professor of Neurology

Rizwan Akhtar, MD, PhD
Instructor in Neurology

Gordon Baltuch, MD, PhD
Professor of Neurosurgery

Danielle Becker MD, MS
Assistant Professor of Clinical Neurology

Lauren Elman, MD
Associate Professor of Neurology

Michael Gelfand, MD, PhD
Assistant Professor of Clinical Neurology

Dina Jacobs, MD
Associate Professor of Neurology

Eric Lancaster, MD, PhD
Assistant Professor of Neurology

Grant Liu, MD
Professor of Neurology and Ophthalmology

Leo McCluskey, MD, MBE
Associate Professor of Neurology

Raymond Price, MD
Associate Professor of Clinical Neurology

Colin Quinn, MD
Assistant Professor of Clinical Neurology

Ana Recober, MD
Assistant Professor of Neurology

Danielle Sandsmark, MD, PhD
Assistant Professor of Neurology

Roderick Spears, MD, FAHS
Penn Medicine Physician

Meredith Spindler, MD
Assistant Professor of Clinical Neurology

Christina L. Szperka, MD
Instructor of Neurology
Director, Pediatric Headache Program

PHYSICAL EXAMINATION FACILITATORS
Alisha Amendt, RN, CRNP
Nurse Practitioner
General Neurology Division

Danielle Becker, MD, MS
Assistant Professor of Clinical Neurology

Maria Chen, MD, PhD
Assistant Professor of Clinical Neurology

Erin Ingala, MD
Clinical Assistant Professor of Neurology

Sami Khella, MD
Professor of Clinical Neurology
Site Chief, Penn Presbyterian Medical Center

Sharon Lewis, MD
Assistant Professor of Clinical Neurology

Jerold Mikszewski, MD
Clinical Assistant Professor of Neurology

Michael Rubenstein, MD
Assistant Professor of Clinical Neurology

Meredith Spindler MD
Assistant Professor of Clinical Neurology

Eliot Wallack, MD
Associate Professor of Clinical Neurology
DAY 2 | Friday, November 3, 2017

FOUNDATIONS OF NEUROLOGIC PRACTICE 2017:
COMMON PROBLEMS IN CLINICAL NEUROLOGY

7:00-7:55 AM  Optional Early Session “Practice Your Examination Skills”
Neurology Faculty at Each Table,
NP Table led by Alisha Amendt, CRNP

8:00-8:30 AM  Registration and Continental Breakfast

8:30-8:40 AM  Welcome and Introduction to the Course:
Essential Neurologic Skills
Amy Pruitt, MD

8:40-9:25 AM  The Spin Doctor: Dizziness
Raymond Price, MD

9:25-10:15 AM  Painful Neurology: Headache and Other Pain Syndromes
Ana Recober, MD, Roderick Spears, MD, FAHS and
Christina Szperka, MD

10:15-10:30 AM  Break

10:30-11:15 AM  Providing Neurologic Care for Women
Danielle Becker, MD, MS and Dina Jacobs, MD

11:15-11:45 AM  The Aging Nervous System
Geoffrey Aguirre, MD, PhD

11:45 AM -12:15 PM  Traumatic Brain Injury: What Do We Know?
Danielle Sandsmark, MD, PhD

12:15-1:15 PM  Lunch

1:15-2:00 PM  Peripheral Neuropathy
Colin Quinn, MD

2:00-2:45 PM  Neuro-Ophthalmologic Diagnoses You Don’t Want To Miss
Grant Liu, MD

2:45-3:30 PM  Medically Unexplained Physical Symptoms
Amy Pruitt, MD

3:30-3:45 PM  Break

3:45-5:00 PM  Join the Panel: Audience Response System Mini-case Panel
Moderator: Amy Pruitt, MD, multiple faculty discussants

5:00 PM  Adjourn
**Foundations of Neurologic Practice 2017: Advanced Neurology**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:45-8:15 AM</td>
<td>Registration and Continental Breakfast</td>
</tr>
<tr>
<td>8:15-8:30 AM</td>
<td>Welcome</td>
</tr>
<tr>
<td></td>
<td><em>Andres Deik, MD, MSEd</em></td>
</tr>
</tbody>
</table>

**Movement Disorders**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30-9:00 AM</td>
<td>Research Advances in Neurodegenerative Diseases</td>
</tr>
<tr>
<td></td>
<td><em>Rizwan Akhtar, MD, PhD</em></td>
</tr>
<tr>
<td>9:00-9:30 AM</td>
<td>Recent Advances in Symptomatic Therapy of Parkinson’s Disease</td>
</tr>
<tr>
<td></td>
<td><em>Meredith Spindler, MD</em></td>
</tr>
<tr>
<td>9:30-10:00 AM</td>
<td>Emerging Therapies for Movement Disorders</td>
</tr>
<tr>
<td></td>
<td><em>Andres Deik, MD, MSEd</em></td>
</tr>
<tr>
<td>10:00-10:30 AM</td>
<td>The Future of Deep Brain Stimulation Surgery</td>
</tr>
<tr>
<td></td>
<td><em>Gordon Baltuch, MD, PhD</em></td>
</tr>
<tr>
<td>10:30-11:00 AM</td>
<td>Break</td>
</tr>
</tbody>
</table>

**Epilepsy**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00-11:30 AM</td>
<td>New Medications for the Treatment of Epilepsy</td>
</tr>
<tr>
<td></td>
<td><em>Michael Gelfand, MD, PhD</em></td>
</tr>
<tr>
<td>11:30 AM -12:00 PM</td>
<td>Responsive Neurostimulation (RNS/Neuplace) in Epilepsy</td>
</tr>
<tr>
<td></td>
<td><em>Danielle Becker, MD, MS</em></td>
</tr>
<tr>
<td>12:00-1:00 PM</td>
<td>Lunch</td>
</tr>
</tbody>
</table>

**Neuromuscular Diseases**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00-1:30 PM</td>
<td>New Frontiers in ALS</td>
</tr>
<tr>
<td></td>
<td><em>Leo McCluskey, MD, MBE</em></td>
</tr>
<tr>
<td>1:30-2:00 PM</td>
<td>Approach to Diagnosis of Adult-Onset Myopathies</td>
</tr>
<tr>
<td></td>
<td><em>Colin Quinn, MD</em></td>
</tr>
<tr>
<td>2:00-2:30 PM</td>
<td>Update on Available Treatments for Hereditary Neuromuscular Diseases</td>
</tr>
<tr>
<td></td>
<td><em>Lauren Elman, MD</em></td>
</tr>
</tbody>
</table>

**Neuroimmunology**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:30-3:00 PM</td>
<td>Autoimmune Encephalitis: Recognition, Diagnosis and Management</td>
</tr>
<tr>
<td></td>
<td><em>Eric Lancaster, MD, PhD</em></td>
</tr>
<tr>
<td>3:00-3:15 PM</td>
<td>Closing Remarks</td>
</tr>
</tbody>
</table>
If you are registering using your credit card, please register online at: www.penncmeonline.com and click on CME Activities/Live Events.

Questions? Contact us at:
Phone: 215-898-6400 or 215-898-8005 • penncme@mail.med.upenn.edu

Please note we are unable to accept faxed registration forms.

Please print or type

<table>
<thead>
<tr>
<th>Name (First)</th>
<th>(Last)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Degree</td>
<td></td>
</tr>
<tr>
<td>Medical Specialty</td>
<td></td>
</tr>
<tr>
<td>Affiliation (Hospital, Office, or Company)</td>
<td></td>
</tr>
<tr>
<td>Address ( □ Affiliation or □ Home)</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>State</td>
</tr>
<tr>
<td>Phone</td>
<td>Fax</td>
</tr>
<tr>
<td>E-mail</td>
<td></td>
</tr>
</tbody>
</table>

**Registration Fees** (pre-payment is required to be officially registered)

- **Advances in Stroke** (Thursday)
- **Optional Session: Joint Commission Stroke Center Certification** (Thursday)
- **Common Problems in Clinical Neurology** (Friday)
- **Optional Early Session: Practice Your Examination Skills** (Friday)
- **Advanced Neurology** (Saturday)

**Advances in Stroke and Foundations of Neurologic Practice** (Thursday, Friday and Saturday attendance)

- $550 for Physicians and Industry personnel
- $350 for Nurses and Other Healthcare Professionals
- $200 for Residents and Fellows

Registration fees for any combination of two days (Thursday, Friday and/or Saturday)

- $400 for Physicians and Industry personnel
- $250 for Nurses and Other Healthcare Professionals
- $125 for Residents and Fellows

Registration fees for single-day attendance (Thursday, Friday or Saturday)

- $250 for Physicians and Industry personnel
- $150 for Nurses and Other Healthcare Professionals
- $75 for Residents and Fellows (per day)

Penn Medicine Faculty, Employees and Staff – 50% discount off of the above rates

Penn Medicine ID # __________________________

**Payment Method**

- If you are paying by credit card, please register online at www.penncmeonline.com and click on CME Activities/Live Events.
- If you are paying by check, you may mail your completed registration form and check made payable to The Trustees of the University of Pennsylvania/CME to:
  Conference Coordinator, Perelman School of Medicine at the
  University of Pennsylvania, Office of Continuing Medical Education
  150 Anatomy/Chemistry Building, 3620 Hamilton Walk
  Philadelphia, PA 19104-6061

  Do not include any credit card information on the registration form or email any credit card information

Please Note: Walk-in registrants must bring payment to the program. Seating may be limited for walk-in registrants.
Advances in Stroke 2017

and

Foundations of Neurologic Practice 2017

November 2-4, 2017

A CME/CNE-certified course

Arthur H. Rubenstein Auditorium

Smilow Center for Translational Research

Perelman School of Medicine at the University of Pennsylvania

3400 Civic Center Blvd

Philadelphia, PA 19104-6061