Objectives

• Identify current management options for spontaneous intracerebral hemorrhage
• Summarize recent evidence regarding use of thrombolytics in stroke
• Identify common neurostimulants used in stroke rehabilitation care
• Determine the indication for closure of a patent foramen ovale following acute ischemic stroke
• Describe the application of stem cell therapy in stroke recovery
• Identify key steps that can streamline the assessment and interfacility transfer of stroke patients
• List important imaging options that may be used to evaluate a patient with acute ischemic stroke
• Describe the application of prehospital assessment scales
• Identify three risk factors for stroke in women

Who Should Attend

Neurologists, neurosurgeons, interventionalists, emergency medicine physicians, radiologists, cardiologists, family practitioners, internists, nurses, nurse practitioners, pre-hospital personnel and hospital administrators.

Continuing Education Credit

The University of Pittsburgh School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Pittsburgh School of Medicine designates this live activity for a maximum of 6.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other health care professionals are awarded 0.6 continuing education units (CEU’s) which are equal to 6.5 contact hours.

Nursing: UPMC Provider Unit is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

To receive 6.5 contact hours, the learner must attend the entire activity and complete the activity evaluation. No partial hours/credits will be awarded.
Course Schedule ~ Friday, October 26, 2018

7:00 am  Registration and Continental Breakfast

7:45 am  Conference Overview
  Tudor G. Jovin, MD

8:00 am  Modern Management of ICH
  Bradley Gross, MD

8:45 am  Thrombolysis in Acute Ischemic Stroke
  Cynthia Kenmuir, MD, PhD

9:15 am  Role of Neurostimulants in Post-Stroke Rehabilitation and Recovery
  Jessica Berry, MD

9:45 am BREAK

10:15 am  Debate: PFO Management: To Close or Not to Close
  Anson Conrad Smith, MD and Matthew Starr, MD

11:15 am  Stem Cell Treatment: A New Frontier in Stroke Recovery
  Lawrence R. Wechsler, MD

Noon  LUNCH

1:00 pm  Streamlining Interfacility Transfer of Stroke Patients
  Christian Martin-Gill, MD, MPH

1:30 pm  Debate: Patient Selection in Acute Ischemic Stroke
  Simplified Imaging Paradigm
  Tudor G. Jovin, MD

  Advanced Imaging Paradigm
  Maarten G. Lansberg, MD, PhD

2:30 pm BREAK

2:45 pm  Successful Implementation of the RACE Scale: The Catalonia Experience
  Natalia Pérez de la Ossa, MD, PhD

3:30 pm  Stroke Risk Factors and Outcomes Unique to Women
  Stephanie Paolini, MD

4:00 pm  Conference Adjournment

Course Directors

Tudor G. Jovin, MD
Professor of Neurology and Neurological Surgery
University of Pittsburgh School of Medicine
Director, UPMC Stroke Institute
Pittsburgh, PA

Ashutosh P. Jadhav, MD, PhD
Associate Professor of Neurology and Neurological Surgery
University of Pittsburgh School of Medicine
Pittsburgh, PA

Guest Faculty

Maarten G. Lansberg, MD, PhD
Associate Professor of Neurology and Neurological Surgery
Stanford University Medical Center
Palo Alto, CA

Natalia Pérez de la Ossa, MD, PhD
Neurology Specialist
Hospital Universitari Germans Trias i Pujol
Badalona, Spain

Local Faculty

Jessica Berry, MD
Assistant Professor of Physical Medicine & Rehabilitation
University of Pittsburgh School of Medicine
Pittsburgh, PA

Bradley Gross, MD
Assistant Professor Neurological Surgery
University of Pittsburgh School of Medicine
Pittsburgh, PA

All individuals in a position to control the content of this education activity are required to disclose all relevant financial relationships with any proprietary entity producing, marketing, re-selling, or distributing health care goods or services, used on, or consumed by, patients.
Registration Information

Early-Bird Reduced Rate Registration
• Available until September 28, 2018
• Three options for registration submission: (1) online, (2) by fax or (3) U.S. Mail

Registration
• Available between September 29, 2018 and October 19, 2018
• Additional fee required (see page 5)

On-site Registration
• Available on-site October 26, 2018
• Additional fee required (see page 5)

You may register by:
• Online Registration
  Registering online is the quickest and easiest way to reserve your space at CCEHS conferences.
  1. Visit our online registration site at https://ccehs.upmc.com
  2. Select Upcoming Events.
  3. Select course listed by date.
  4. Click the Registration button and enter all the requested information (including an email address) and follow the prompts to submit your registration after entering your payment information.
  5. Print the automatic electronic registration confirmation email sent to the email address you provided when you registered. If you do not receive this confirmation, please contact us at (412) 647-8232.

  A confirmation letter will be emailed if registration is completed by mail or fax by the pre-registration deadline. If you register online, you will receive an immediate email confirmation message.

• Faxing Registration
  Fax all pages of your registration form (pages 7 and 8) to (412) 647-8445.

• Mailing Registration
  Mail the registration form to the address listed on page 9. Be sure to mail all the pages of the registration form.
  A confirmation letter will be emailed if registration is completed by mail or fax by the pre-registration deadline.
  Please note: Registration is not complete until you receive your email confirmation letter. If you do not receive this letter within 5-7 days of registration, please contact us at (412) 647-2754.
  You must bring your confirmation letter with you to the conference.

Cancellation
All cancellations must be in writing, via U.S. mail, email or fax. Tuition for cancellations postmarked or date-stamped on or before September 28, 2018 will be refunded less a $40 administrative fee. No refunds will be made after September 28, 2018. Cancellation requests can be made to:
  Holly Kromer
  UPMC Stroke Institute
  200 Lothrop Street, PUH, C-426, Pittsburgh, PA 15213
  Email: strokeconf@upmc.edu
  Phone: (412) 647-2754 • Fax: (412) 647-8445

The UPMC Center for Continuing Education in the Health Sciences reserves the right to cancel this program if sufficient registrations are not received. In the case of cancellation, the department will fully refund registration fees.

Registration Fees

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<th>Registration Fee</th>
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Registration fee includes:
• Continuing education credit
• Registration and course materials
• Continental breakfast, refreshments and lunch
Meeting Location and Overnight Accommodations

This year’s conference will be held at the Westin Convention Center Hotel, located at 1000 Penn Avenue, Pittsburgh, PA 15222.

A block of hotel rooms has been reserved at a discounted rate at the Westin Convention Center Hotel for our conference attendees. You may make reservations at your own discretion. The room block is limited and only available until October 5, 2018 at 5:00 pm. We cannot guarantee availability or rate once the block expires or the block is filled, whichever occurs first.

In order to reserve a room at the discounted rate of $164.00 Single/Double plus 14% applicable state and local taxes, please call the Westin Convention Center Hotel at 1-412-560-6365 and mention you are attending the 22nd Annual Stroke Update.

Room temperature can vary and be difficult to control; please dress accordingly to maintain your comfort.

Special Needs

Participation by all individuals is encouraged. Advance notification of any special needs will help us provide better service. Please notify us of your needs at least two weeks in advance of the program by calling (412) 647-2754.

Visit the Center for Continuing Education in the Health Sciences Website

Our Internet address is https://ccehs.upmc.com

The UPMC Center for Continuing Education in the Health Sciences invites you to visit our website. Receive information on CE programs, earn CE credits on the Internet, and access information about our formal courses and much more. Discover who we are and how you can contact us. Please visit our website often to get updated information on upcoming programs.

Registration Form (for use only if not registering online)

STROKE UPDATE 2018

Friday, October 26, 2018

> Please type or print. Please photocopy both sides of this form for additional registrants.

> No registration will be accepted without payment.

Last FIVE Digits of Social Security Number* ___ – ___ ___ ___ ___
Prefix  ❑ Mr.  ❑ Mrs.  ❑ Dr.  ❑ Ms.  ❑ Other, please indicate

First Name ________________________________
Last Name ______________________________
Suffix (Jr., Sr., etc.) ______________________
Company/Institutional Affiliation ________________________________
Specialty ________________________________
Email Address ________________________________
Degree*  ❑ MD  ❑ DO  ❑ Resident  ❑ PhD  ❑ MPH  ❑ RN
❑ Other, please indicate ________________________________
Address __________________________________________________________
City ____________________________ State ________ ZIP Code ____________
Work Telephone (_____) ________________________________
Fax (_____) ________________________________
How did you hear about this conference?  ❑ Direct Mail  ❑ Email
❑ Place of Employment ❑ Word of Mouth

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**Method of Payment**

The following methods of payment are acceptable for the registration fee:

- **Checks.** Make payable to **University of Pittsburgh**.
  - Employer check included
  - Personal check included
  - Employer or Personal check to arrive under separate cover. If your employer or personal check is arriving under separate cover, you may send or fax in your completed registration form **now**, but you must complete the Credit Card Payments section below with valid credit card information in order to hold your reservation. If the check payment is not received by four weeks post course, we will charge the registration fee to the credit card number provided.

  *There is a $25.00 returned check fee.*

- **Credit Card Payments**

  Credit card payments may only be made online at [https://ccehs.upmc.com](https://ccehs.upmc.com).
  If you encounter problems registering at this site please call (412) 647-8232.

- **UPMC Journal Entry Transfer**

  If you are a UPMC employee and your department will be responsible for payment, we can charge your department directly. **DO NOT SUBMIT a disbursement to UPMC Accounts Payable. Complete the following:**

  - Business unit __________________________________________________________
  - Account number _________________________________________________________
  - Department ID number ________________________________________________
  - Authorized department signature ____________________________________
  - Telephone number ____________________________________________________

  *NO REGISTRATION WILL BE ACCEPTED WITHOUT PAYMENT.*

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Mail payment, accompanied by the registration form to:

UPMC Stroke Institute  
ATTN: Stroke Update 2018  
PUH, C-426  
200 Lothrop Street  
Pittsburgh, PA 15213

For additional information, contact:

Holly Kromer  
UPMC Stroke Institute  
200 Lothrop Street, PUH, C-426  
Pittsburgh, PA 15213  
Email: strokeconf@upmc.edu  
Phone: (412) 647-2754 • Fax: (412) 647-8445

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