

STROKE UPDATE 2019 XXIII

Friday, October 25, 2019



Location: Westin Convention Center Hotel

UPMC LIFE
CHANGING
MEDICINE

UPMC Stroke Institute
Department of Neurology
University of Pittsburgh School of Medicine
200 Lothrop Street, PUH, C-400
Pittsburgh, PA 15213-2593

Proud supporter of this event



**American
Stroke
Association.**
A division of the
American Heart Association.

STROKE UPDATE 2019 XXIII



UPMC STROKE INSTITUTE

COURSE DIRECTORS

Ashutosh P. Jadhav, MD, PhD

Director, UPMC Stroke Institute

Director, Vascular Neurology Fellowship

Director, Neuro-Endovascular Fellowship

UPMC Center for Neuro-Endovascular Therapy

Bradley Gross, MD

Assistant Professor of Neurological Surgery

Department of Neurological Surgery

Friday, October 25, 2019

Westin Convention Center Hotel

Pittsburgh, Pennsylvania

New Course Offered This Year:

**Advanced Stroke Emergency
Support Course (ASES)**

Thursday Evening, October 24

UPMC LIFE
CHANGING
MEDICINE

Sponsored by:

University of Pittsburgh School of Medicine
Center for Continuing Education
in the Health Sciences

UPMC Stroke Institute, Department of Neurology

STROKE UPDATE ²⁰¹⁹ _{XXIII}

Objectives

- Identify two treatment modalities for management of non-traumatic intracerebral hemorrhage
- Discuss stroke risk factors that are specific to women
- Summarize treatment options for cerebral aneurysms
- Discuss the most effective means to respond to in hospital strokes
- Describe the management of stroke in the pediatric population
- Describe the differences in medical vs. surgical management of asymptomatic carotid stenosis
- Determine the indication for omitting IV thrombolytics prior to thrombectomy
- Identify the benefits of transcranial magnetic stimulation
- Explain how vasculitis contributes to the development of ischemic stroke

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.

On Thursday evening October 24, the **Advanced Stroke Emergency Support (ASES) Course** sponsored by the Society of Vascular and Interventional Neurology (SVIN) will be offered. This course offers **2.5** CME credit hours, through SVIN. Please see page 5 for details.

Course Schedule ~ Friday, October 25, 2019

7:00 am	Registration and Continental Breakfast
7:45 am	Conference Welcome / Overview Ashutosh Jadhav, MD, PhD
8:00 am	Management and Treatment of Spontaneous Intracerebral Hemorrhage Bradley Gross, MD
8:45 am	Stroke in Pregnancy Janet Waters, MD, MBA
9:15 am	BREAK
9:45 am	Intracranial Aneurysms: Symptoms, Treatment Options and Recovery Cameron McDougall, MD
10:45 am	Challenges and Best Practice for Identification and Management of the In-House Stroke Patient Cynthia Kenmuir, MD, PhD
11:15 am	Pediatric Stroke: What You Need to Know Elissa Ortolani, MD
Noon	LUNCH
1:00 pm	Debate: Asymptomatic Carotid Stenosis Management: Medical vs. Surgical Lawrence R. Wechsler, MD Robert Friedlander, MD, MA
2:00 pm	Debate: IV Thrombolytics Prior to Thrombectomy vs. Direct to Thrombectomy? Ashutosh Jadhav, MD, PhD Bradley Molyneaux, MD, PhD
2:45 pm	BREAK
3:00 pm	Stroke Rehabilitation: Robots and Transcranial Magnetic Stimulation George Wittenberg, MD, PhD, FASNR
3:30 pm	Arteriopathy/Vasculitis and Stroke: What's the Connection? Danoushka Tememe, MD
4:00 pm	Conference Adjournment

Course Directors

Ashutosh P. Jadhav, MD, PhD
Director, UPMC Stroke Institute
Director, Vascular Neurology Fellowship
Director, Neuro-Endovascular Fellowship
UPMC Center for Neuro-Endovascular Therapy
Pittsburgh, PA

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

Guest Faculty

Cameron McDougall, MD
Director of Endovascular Neurosurgery
Professor of Neurosurgery
Johns Hopkins Hospital
Baltimore, MD

Local Faculty

Robert Friedlander, MD, MA
Chairman, Department of Neurological Surgery
Walter E. Dandy Professor of Neurosurgery,
Neurology and Neurobiology,
University of Pittsburgh School of Medicine;
Co-Director, UPMC Neurological Institute

Cynthia Kenmuir, MD, PhD
Director of Stroke Program and
Neuroendovascular Programs at UPMC Altoona
Assistant Professor of Neurology
University of Pittsburgh School of Medicine

Bradley Molyneaux, MD, PhD
Assistant Professor of Neurology, Neurological
Surgery and Critical Care Medicine
UPMC Stroke Institute
University of Pittsburgh School of Medicine

Elissa Ortolani, MD
Pediatric Stroke Fellow
UPMC Children's Hospital of Pittsburgh

Danoushka Tememe, MD
Assistant Professor of Neurology Department
University of Pittsburgh School of Medicine
UPMC Stroke Institute

Janet Waters, MD, MBA
Clinical Associate Professor Department
of Neurology
Division Chief, Women's Neurology
Fellowship Director, Women's Neurology
University of Pittsburgh Medical Center

Lawrence R. Wechsler, MD
Chairman, Department of Neurology
Henry B. Higman Professor of Neurology
University of Pittsburgh School of Medicine
Co-Director, UPMC Neurological Institute
Medical Director, UPMC Telemedicine

George Wittenberg, MD, PhD, FASNR
Visiting Professor, Department of Neurology
Director, Laboratory for Research on
Arm Function and Therapy
University of Pittsburgh School of Medicine

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 27, 2019**
- Three options for registration submission: (1) online, (2) by U.S. Mail or (3) Fax

Registration

- Available between **September 28, 2019** and **October 18, 2019**
- Additional fee required (see page 5)

On-site Registration

- Available on-site **October 25, 2019**
- 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.

• 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) 647-3030.

You must bring your confirmation letter with you to the conference.

• Faxing Registration

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

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 27, 2019** will be refunded less a \$40 administrative fee. **No refunds will be made after September 27, 2019.** Cancellation requests can be made to:

Kim Birsic
UPMC Stroke Institute
200 Lothrop Street, PUH, C-426, Pittsburgh, PA 15213
Email: strokeconf@upmc.edu
Phone: (412) 647-3030 • 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

	Registration Fee	Early-Bird Reduced Rate Registration Fee
	Between Sept. 28 and Oct. 18, 2019	Available until to Sept. 27, 2019
Physicians	\$160	\$140
Nurses & Other Health Care Professionals	\$100	\$ 85
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Advanced Stroke Emergency Support (ASES)	\$ 65	\$ 65

(Must be Registered for ASES by October 11, 2019)

On Thursday evening October 24, the **Advanced Stroke Emergency Support (ASES) Course** sponsored by the Society of Vascular and Interventional Neurology (SVIN) will be offered at the **Ten Penny Restaurant**, 960 Penn Avenue, Pittsburgh, PA 15222. This course is approximately two hours in length and designed to expand on the knowledge of the care of the stroke patient from prehospital triage through the acute phase of care. This course is appropriate for clinicians working in all phases of acute care (ED, Interventional Neuroradiology, ICU, General Floor). Course content and instruction will be provided by stroke vascular physicians. This course offers **2.5 CME credit hours**, through SVIN. The \$65 fee will include course materials and dinner. Visit <https://www.svin.org> for more information.

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, 2019 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 \$189.00 Single/Double plus 14% applicable state and local taxes, please call the **Westin Convention Center Hotel** at 1-412-281-3700 and mention you are attending the *23rd 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) 647-3030.

Visit the Center for Continuing Education in the Health Sciences Website

Our Internet address is <https://cchehs.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)

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Friday, October 25, 2019

> **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 _____ } This is how your name will appear on your name badge.

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

Registration Fees

	Registration Fee	Early-Bird Reduced Rate Registration Fee
	Between Sept. 28 and Oct. 18, 2019	Available until Sept. 27, 2019
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Nurses & Other Health Care Professionals	\$100	\$ 85
Advanced Stroke Emergency Support (ASES)	\$ 65	\$ 65

(Must be Registered for ASES by October 11, 2019)

*required

continued on page 8

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>.

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.

Mail payment, accompanied by the registration form to:

UPMC Stroke Institute

ATTN: Stroke Update 2019

PUH, C-426

200 Lothrop Street

Pittsburgh, PA 15213

For additional information, contact:

Kim Birsic

UPMC Stroke Institute

200 Lothrop Street, PUH, C-426

Pittsburgh, PA 15213

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Phone: (412) 647-3030 • Fax: (412) 647-8445

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