7:30  Registration and Continental Breakfast
8:00  Welcome and Introduction
     Reza Jahan, MD
8:10  Emergent Management of Ischemic Stroke: Part 1. IV Thrombolysis. Time-Clock versus Tissue-Clock for Administration of tPA and New Therapeutic Contenders
     May Nour, MD, PhD
8:40  Emergent Management of Ischemic Stroke: Part 2. Endovascular Interventions. Whom to Treat and When
     Reza Jahan, MD
9:10  Mobile Stroke Unit: Stroke Treatment Coming to the Patient in the Field. Are We Ready for a Change in Systems of Care?
     May Nour, MD, PhD
9:40  Break
     Viktor Szeder, MD, PhD
10:25 Intracranial Angioplasty and Stenting: At What Point Do We Consider It?
     Viktor Szeder, MD, PhD
10:55 Hereditary Hemorrhagic Telangiectasia (HHT): Vascular Anomalies Unfolded
     Justin McWilliams, MD
11:25 Lunch
1:00  Congenital Lumps and Bumps – Vascular Birthmarks and Lymphatic Malformations: We Can Treat Them without Surgery
     Reza Jahan, MD
1:30  Idiopathic Intracranial Hypertension: Endovascular Stenting Might Be the Treatment for Some Patients
     Reza Jahan, MD
2:00  Back Pain: Percutaneous Interventions in the Spine for Degenerative and Metastatic Spine Disease
     J. Pablo Villablanca, MD
2:30  Painful Spinal Compression Fractures: Indication for Percutaneous Cement Augmentation
     Satoshi Tateshima, MD, PhD
3:00  Break
3:15  Endovascular Intervention for Chronic Subdural Hematoma: Successful Treatment without Surgery
     Satoshi Tateshima, MD, PhD
3:45  Surgical Management of Intracranial Aneurysms: The Science and Art of Clipping
     Geoffrey P. Colby, MD, PhD
4:15  Endovascular Management of Intracranial Aneurysms: The Minimally Invasive Strategy for Treatment
     Satoshi Tateshima, MD, PhD
4:45  Closing Remarks
     Reza Jahan, MD
5:00  Adjourn
Cutting Edge Interventional Solutions for Brain and Spinal Disease

COURSE DESCRIPTION
This course is intended to provide an introduction of and understanding in the endovascular/minimally invasive management of common diseases of the brain and spine. The course instructors comprise a multidisciplinary team of physicians who will discuss treatment strategies on topics including ischemic and hemorrhagic stroke, spine disease and back pain. State-of-the-art interventional and minimally invasive techniques will be presented as management options for common health issues in the head and neck, brain and spine. Updated management guidelines will be provided for each subject.

COURSE OBJECTIVES
After attending this live activity, participants should be able to:
• Participate in decision making regarding the use of IV alteplase and endovascular intervention in patients suffering from acute ischemic stroke
• Utilize the recently expanded indications for endovascular intervention in acute ischemic stroke – whom to treat and in what time window
• Medically manage patients with carotid stenosis and understand the indication for endovascular intervention in the treatment of carotid artery atherosclerotic disease
• Medically manage patients with intracranial atherosclerotic disease and understand indication for endovascular intervention in this setting
• Diagnose the most common causes of back pain and understand the role of interventional procedures in the management of these prevalent disease states
• Explain the mechanism of action and objectives of spinal tumor ablation in patients with back pain due to primary or metastatic spine disease
• Qualify the significance of incidentally discovered cerebral aneurysms and understand the surgical and endovascular options for percutaneous and endovascular management of these lesions

TARGET AUDIENCE
This program has been designed for physicians including internists, neurologists, neurosurgeons, emergency medicine specialists, nurses, nurse practitioners, physician assistants, physical therapists, occupational therapists, speech-language pathologists, and first responders.

David Geffen School of Medicine at UCLA

COURSE DIRECTOR
Reza Jahan, MD
Professor
Division of Interventional Neuroradiology
Department of Radiology and Neurosurgery

COURSE SPEAKERS
Geoffrey P. Colby, MD, PhD
Associate Professor
Division of Interventional Neuroradiology
Department of Radiology and Neurosurgery

Justin McWilliams, MD
Associate Professor
Division of Interventional Radiology
Department of Radiology

May Nour, MD, PhD
Assistant Professor
Division of Interventional Neuroradiology
Department of Radiology and Neurology

Viktor Szeder, MD, PhD
Assistant Clinical Professor
Division of Interventional Neuroradiology
Department of Radiology

Satoshi Tateshima, MD, PhD
Professor
Division of Interventional Neuroradiology
Department of Radiology

J. Pablo Villablanca, MD
Professor
Division of Diagnostic Neuroradiology
Department of Radiology
Course Fee
$85 Pre-Registration
$95 On-Site Registration

Location
UCLA Medical Center, Santa Monica
Auditorium, Room: G-340
1250 16th Street
Santa Monica, CA 90404
(310) 319-4000

Parking
Saturday parking will be provided at no cost for all participants at the UCLA Medical Center, Santa Monica. Attendees will be able to park in the UCLA parking structure located on the corner of Arizona and 16th Street, please park on levels 3 and 4 only.

Enrollment
Online
Go to www.cme.ucla.edu/courses and click on Cutting Edge Interventional Solutions for Brain and Spinal Disease. You may use your American Express, MasterCard, Visa or Discover card to register online.

By Mail
Use the form attached and mail to:
UCLA Office of Continuing Medical Education
David Geffen School of Medicine at UCLA
Brain and Spinal Disease
10820 Wilshire Blvd., Suite 1060
Los Angeles, CA 90024-6512

By Fax
Send the completed enrollment form with credit card information and authorizing signature to (310) 794-2624.

By Phone
Call (310) 794-2620 to use your MasterCard, Visa, Discover, or American Express card.

Refunds
No refunds will be granted for this conference, due to the low enrollment fee. A full refund will be provided if for any reason the course must be cancelled or rescheduled.

Questions
Please call (310) 794-2620.

UCLA CME Offerings
Please visit our website at www.cme.ucla.edu.

Accreditation
The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, designates this live activity for a maximum of 6.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

American Society of Radiologic Technologists
Credit
Category A/A+ CE credit is pending approval by the ASRT.

Disclosure Statement
The FDA has issued a concept paper that classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is “truly independent” and free of commercial influence. In addition to independence, the FDA requires that non-promotional, commercially supported education be objective, balanced and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program’s participants. In addition, Accreditation Council for Continuing Medical Education policy mandates that the provider adequately manage all identified potential conflicts of interest prior to the program. We at UCLA fully endorse the letter and spirit of these concepts.

Early registration is recommended, as space is limited.
# Application for Enrollment

**Mail:** Office of Continuing Medical Education  
David Geffen School of Medicine at UCLA  
Brain and Spinal Disease  
10920 Wilshire Blvd., Suite 1060  
Los Angeles, CA 90024-6512

**Fax:** (310) 794-2624  
(must include charge card information and authorizing signature)

**Call:** (310) 794-2620

**Register online:** [www.cme.ucla.edu/courses](http://www.cme.ucla.edu/courses)

## Course Title and Number

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<th>Course Title and Number</th>
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<td>$85 Pre-Registration $95 On-Site Registration TOTAL</td>
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**Last four digits of your Social Security Number**

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**Name (First/Middle/Last)**

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**Preferred Mailing Address**

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City/State/Zip

( ) ( )

Area Code/Daytime Phone  Area Code/Fax Number

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**Degree**

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**Specialty**

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**Email Address**

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☐ Check enclosed payable to: The Regents of the University of California

**Charge:**  
☐ MasterCard  ☐ Visa  ☐ Discover  ☐ American Express

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**Authorizing Signature**

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**Expiration Date (Mo/Yr)**

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**Register online:** [www.cme.ucla.edu/courses](http://www.cme.ucla.edu/courses)
Cutting Edge Interventional Solutions for Brain and Spinal Disease

October 12, 2019
UCLA Medical Center, Santa Monica
Santa Monica, CA