



Saturday, October 7, 2023
USC Health Sciences Campus
Aresty Conference Center
Hybrid Conference
7:00 am - 1:30 pm

2023 Annual
Cerebrovascular Disease
Symposium:
From Clinical Trial to
Clinical Practice

Keck School of Medicine of **USC**

Presented By:
USC Comprehensive Cerebrovascular and Stroke Center,
Departments of Neurosurgery and Neurology and
USC Office of Continuing Medical Education



PROGRAM AGENDA

- 7:00 am **Registration Opens**
- 7:45 am **Conference Login Begins**
- 8:00 am **Welcome**
Arun Paul Amar, MD

Session I: Point-Counterpoint

Moderator: Arun Paul Amar, MD

- 8:10 am **Mechanical Thrombectomy for Large Core Infarction: YES!**
Ashkan Mowla, MD
- 8:30 am **Mechanical Thrombectomy for Large Core Infarction: NO!**
Arun Paul Amar, MD
- 8:50 am **Revascularization of the Posterior Circulation: Endovascular**
Kasra Khatibi, MD
- 9:10 am **Revascularization of the Posterior Circulation: Cerebrovascular Bypass**
Jonathan Russin, MD
- 9:30 am **Panel Discussion**
Arun Paul Amar, MD, Kasra Khatibi, MD, Ashkan Mowla, MD and Jonathan Russin, MD
- 9:45 am **Break**

Session II: Cerebrovascular Updates 2023

Moderator: Nerses Sanossian, MD

- 10:00 am **2023 Guidelines for Subarachnoid Hemorrhage Management**
Roy Poblete, MD
- 10:20 am **Keynote Speech**
Cerebroprotection and the Future of Acute Stroke Treatment
Patrick D. Lyden, MD
- 11:00 am **Cerebrovascular Injury After Chiropractic Manipulation**
Matthew Tenser, MD
- 11:20 am **Recap of Landmark Stroke Studies 2023**
Nerses Sanossian, MD
- 11:50 am **Lunch**
- 12:50 pm **Stroke Journal Club**
Sebina Bulic, MD and Fawaz Philip Tarzi, MD
- 1:20 pm **Panel Discussion**
Sebina Bulic, MD, Patrick D. Lyden, MD, Nerses Sanossian, MD, Fawaz Philip Tarzi, MD and Matthew Tenser, MD
- 1:30 pm **Adjourn**

FACULTY

COURSE DIRECTORS

Keck Medicine of USC

Arun Paul Amar, MD

Associate Professor of Neurological Surgery
Director of Endovascular Neurosurgery
Stroke Director and Chief of Neurosurgery
Los Angeles General Medical Center
Department of Neurological Surgery

Nurses Sanossian, MD

Associate Professor of Neurology
Director, Roxanna Todd Hodges
Stroke Program
Co-Director, LA General Stroke Program
Department of Neurology

KECK SCHOOL OF MEDICINE OF USC

Faculty

Sebina Bulic, MD

Associate Professor of Neurology
Director, Stroke Neurology
Department of Neurology

Kasra Khatibi, MD

Assistant Professor of Neurological Surgery
Department of Neurological Surgery

Patrick D. Lyden, MD, FAAN, FAHA, FANA

Professor of Physiology and Neuroscience
Professor of Neurology
Zilkha Neurogenetic Institute

Ashkan Mowla, MD

Assistant Professor of Neurological Surgery
Department of Neurological Surgery

Roy Poblete, MD

Assistant Professor of Clinical Neurology
Department of Neurology

Jonathan Russin, MD

Assistant Professor of
Clinical Neurological Surgery
Assistant Surgical Director,
USC Neurorestoration Center
Director, Cerebrovascular Surgery,
Keck Hospital of USC
Department of Neurological Surgery

Fawaz Philip Tarzi, MD

Assistant Professor of Neurology
Department of Neurology

Matthew Tenser, MD, ScM

Associate Professor
of Clinical Neurological Surgery
and Neurology
Director, Community Clinical Neurosciences
Director, Endovascular Neurosurgery, USC Arcadia
Departments of Neurological Surgery and Neurology

COURSE DESCRIPTION

This course presents an annual update of major advances in the treatment of cerebrovascular disease. The first session reviews two topics in point-counterpoint format: the role of mechanical thrombectomy in patients with large core infarction at presentation, and revascularization approaches for the posterior circulation. The second session reviews updated guidelines for subarachnoid hemorrhage management by various professional societies, cerebrovascular injury after chiropractic manipulation, a recap of the landmark stroke studies over the past year, and the utility of transcranial doppler for stroke diagnostics. The keynote speech, delivered by Dr. Patrick Lyden, addresses Cerebroprotection and the Future of Stroke Therapy. Each presentation addresses relevant background, existing knowledge gaps, and clinical trial information.

EDUCATIONAL OBJECTIVES

By the end of the course, participants will be able to:

- Contrast the pros and cons of mechanical thrombectomy for large core infarction at presentation.
- Explain the risks of cerebrovascular injury due to chiropractic manipulation.
- Implement protocols for subarachnoid hemorrhage management recommended by professional societies.
- Compare contemporary indications and strategies for revascularization of the posterior circulation.
- Understand the utility of transcranial doppler in stroke diagnostics.
- Define the current approaches and unmet needs of cerebral protection.
- Review the latest guidelines for stroke management.
- Critique the limitations of the studies referenced above.
- Formulate evidence-based treatment algorithms for the management of patients with these conditions.

TARGET AUDIENCE

This course is intended for neurosurgeons, neurologists, emergency department physicians, primary care providers, nurses and other allied healthcare professionals.

ACCREDITATION STATEMENT

The Keck School of Medicine of the University of Southern California is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION

The Keck School of Medicine of the University of Southern California designates this live activity for a maximum of 4.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The following may apply *AMA PRA Category 1 Credit(s)™* for license renewal: Registered Nurses may report up to 4.25 credit hour(s) toward the CME requirements for license renewal by their state Board of Registered Nurses (BRN). CME may be noted on the license renewal application in lieu of a BRN provider number.

Physician Assistants: The National Commission on Certification of Physician Assistants states that *AMA PRA Category 1 Credits™* accredited courses are acceptable CME requirements for recertification.

REGISTRATION

Live or Virtual Early-bird price for live and virtual registration ends **October 3, 2023 at 12:00 pm, PDT**. To register after **October 3: Virtual registration adjusts to on-site prices**. For live registration, please register on-site.

Tuition: Choose one: Live Attendance Virtual Attendance

\$125 MD/DO \$100 NP/PA/APP or RN/AH

Students, Residents, Fellows: Complimentary

On-site for live registration: October 7, 2023 at 7:00 am, PDT.

Virtual registration is available until 9:00 am, PDT.

\$150 MD/DO \$125 NP/PA/APP or RN/AH

Students, Residents, Fellows: Complimentary

Cancellation: Cancellations must be received by the USC Office of CME (fax or email) by October 3, 2023, 12:00 pm PDT for a refund. A \$50 cancellation fee will be applied. In the event of course cancellation by conference organizers, all registration fees are fully refunded. USC will not refund any travel costs incurred.

Location: Catherine and Joseph Aresty Conference Center, in the lower ground level of the Harlyne J. Norris Cancer Research Tower on the USC Health Sciences Campus 1450 Biggy Street, Los Angeles, CA 90033

Register: **Mail:** 1540 Alcazar Street, CHP 223, Los Angeles, CA 90033

Mail-in registration must be postmarked by October 3, 2023.

Online: keckusc.cloud-cme.com/cvdisease2023

Phone: (323) 442-2555 | **Fax:** (323) 442-3734 **AMEX, Mastercard, Visa**

Email: usceme@usc.edu

On-site: **Live registration:** Available October 7, 7:00 am, Aresty Conference Center.

Virtual registration: Available until 9:00 am, PDT on October 7.

Visa or Mastercard: keckusc.cloud-cme.com/cvdisease2023

NAME _____ DEGREE _____

MEDICAL LICENSE NUMBER _____

TELEPHONE _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

SPECIALTY _____

EMAIL ADDRESS* _____

INSTITUTIONAL AFFILIATION _____

*Registration confirmation and event reminder will be emailed.

Method of Payment

No cash payment accepted.

Check (Check payable to USC. Check payment must be postmarked by October 3, 2023)

Credit Card (Mastercard or Visa online, American Express by Fax)

CREDIT CARD NUMBER _____

EXPIRATION DATE _____ SECURITY CODE _____

AUTHORIZED SIGNER _____ AMOUNT \$ _____

COURSES ARE SUBJECT TO CANCELLATION.



Keck School of Medicine of USC

Office of Continuing Medical Education
1540 Alcazar Street, CHP 223
Los Angeles, CA 90033



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