2021 Annual Cerebrovascular Disease Symposium:
From Clinical Trial to Clinical Practice
Saturday, October 2, 2021
Virtual Conference
8:15 am - 12:30 pm

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

PROGRAM AGENDA

8:15 am
Conference Login Begins

8:30 am
Welcome
Arun Amar, MD, MS and Nerses Sanossian, MD

Session I: Challenging Stroke Presentations
Moderator: Arun Paul Amar, MD, MS

8:40 am
Basilar Artery Thrombosis
Arun Amar, MD, MS

9:00 am
Strokes in Hospitalized Patients
Roy A. Poblete, MD

9:30 am
Strokes in the Young and the Old
Peggy Nguyen, MD

9:40 am
Keynote Address: The Dizzy Patient
Kevin Kerber, MD, MS

10:20 am
Panel Discussion

10:30 am
Break

Session II: Cerebrovascular Updates 2021
Moderator: Nerses Sanossian, MD

10:40 am
COVID-19 and COVID-19 Vaccination-Associated Cerebrovascular Events
Ashkan Mowla, MD

11:00 am
Thrombectomy for Medium Vessel Occlusions
William J. Hock, MD, MS

11:20 am
Prognosis After Cerebrovascular Injury
Jonathan Marenbi, MD

11:40 am
Secondary Stroke Prevention Guidelines
Amytis Tofagh, MD

12:00 pm
Recap of Landmark Stroke Studies 2021
Nerses Sanossian, MD

12:20 pm
Panel Discussion

12:30 pm
Adjourn
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2021 Annual Cerebrovascular Disease Symposium:
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This course presents an annual update of major advances in the treatment of cerebrovascular disease. The morning session highlights challenging stroke presentations, such as basilar artery thrombosis, which is often misdiagnosed due to its myriad and nonspecific manifestations. Strokes occurring at the extremes are often hard to identify, as are strokes among hospitalized patients, since new onset encephalopathy has a broad differential in this population. The session concludes with a keynote speech about dizziness and the interface between neuro-otology and stroke.

The second session reviews the latest updates in several areas of cerebrovascular disease including the impact of COVID-19 and its vaccines on cerebrovascular events, the prospects of mechanical thrombectomy for medium vessel occlusion, novel tools for prognosticating outcome after cerebrovascular injury, and a review of the recently authored American Heart Association guidelines for secondary stroke prevention. The program concludes with a recap of the landmark studies over the past year.

**EDUCATIONAL OBJECTIVES**

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

- Explain the symptoms, pathogenesis, treatment, and outcomes of basilar artery thrombosis.
- Identify the challenges of diagnosing and treating stroke among patients at the extremes of age and patients already hospitalized.
- Implement protocols for the workup of dizziness in the Emergency Department.
- Discuss the association of COVID-19 and its vaccines with cerebrovascular events.
- Prognosticate outcome after cerebrovascular injury.
- Compare medical versus surgical management of medium vessel occlusions.
- Review the latest guidelines for secondary stroke prevention.
- 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 3.75 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 Credits™ for license renewal: Registered Nurses may report up to 3.75 credit hours toward the CME requirements for license renewal by their state Board of Registered Nurses (BRN). CME may be noted on the license renewal application for a maximum of 3.75 credit hours toward the CME requirements for license renewal by their state Board of Registered Nurses (BRN). CME may be noted on the license renewal application.

For license renewal: Registered Nurses.

Physicians should claim only the credit accredited courses are intended for.

**REGISTRATION FORM**

2021 Annual Cerebrovascular Disease Symposium: From Clinical Trial to Clinical Practice

Virtual Conference - October 2, 2021

Tuition:
- $75 MD/DO
- $50 NP/PA/APP
- $40 RN/MA

Cancellation:
- Cancellations must be received by the USC Office of CME (fax or email) by September 27, 12:00 pm PDT for a refund. In support of health care professionals' need for flexibility during COVID-19, cancellation fees are waived for a full refund.
- In the event of course cancellation by conference organizers, all registration fees will be fully refunded.

Location:
- Virtual Conference

Register:
- Mail: 1540 Alcazar Street, CHP 223, Los Angeles, CA 90033
- Email: registration@keckusc.ucsd.edu
- Phone: (213) 220-5168
- Online: keckusc.cloud-cme.com/cvdisease2021

Registration will be available the morning of the conference until 9:00 am, PDT. Register at keckusc.cloud-cme.com/cvdisease2021, Visa or Mastercard only.

**METHOD OF PAYMENT:**
- Visa or Mastercard only.
- Credit Card (Mastercard or Visa online, American Express by Fax)

**INSTITUTIONAL AFFILIATION:**
- Registration confirmation and event reminder will be emailed.

**NAME:____________________ DEGREE:____________________**

**MEDICAL LICENSE NUMBER:____________________**

**TELEPHONE:____________________**

**ADDRESS:____________________**

**CITY:____________________ STATE:____________________ ZIP:____________________**

**SPECIALTY:____________________**

**EMAIL ADDRESS:____________________**

**INSTITUTIONAL AFFILIATION:____________________**

**METHOD OF PAYMENT:**
- No cash payment accepted.
- Check (Check payable to USC. Check payment must be postmarked by September 10, 2021 to credit card payment by September 12, 2021)

**CREDIT CARD NUMBER:____________________**

**EXPIRATION DATE:____________________ SECURITY CODE:____________________**

**AUTHORIZED SIGNER:____________________ AMOUNT:____________________**

**COURSES ARE SUBJECT TO CANCELLATION.**
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The Keck School of Medicine of the University of Southern California designates this live activity for a maximum of 37.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The following may apply AMA PRA Category 1 Credits™ for license renewal: Registered Nurses may report up to 3.75 credit hours (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’s Assistants: The National Commission on Certification of Physician’s Assistants states that AMA PRA Category 1 Credits™ accredited courses are acceptable CME requirements for recertification.
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REGISTRATION FORM

2021 Annual Cerebrovascular Disease Symposium: From Clinical Trial to Clinical Practice

Virtual Conference - October 2, 2021

Tuition: Registration closes October 2, 2021, at 9:00 am PDT.

- $75 MD/DO
- $150 NP/PA/APP
- $450 RN/HA

Cancellation: Cancellations must be received by the USC Office of CME (fax or email) by September 27, 12:00 pm PDT for a refund. In support of health care professionals’ need for flexibility during COVID-19, cancellation fees are waived for a full refund. In the event of course cancellation by conference organizers, all registration fees will be fully refunded.

Location: Virtual Conference

Register: Mail-in registration must be postmarked by September 27, 2021.

Online: keckusc.cloud-cme.com/cvdisease2021, Visa or Mastercard only.

Register will be available the morning of the conference until 9:00 am PDT. Register at keckusc.cloud-cme.com/cvdisease2021, Visa or Mastercard only.

COURSES ARE SUBJECT TO CANCELLATION.
# PROGRAM AGENDA

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*From Clinical Trial to Clinical Practice*

### Saturday, October 2, 2021

**Virtual Conference**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
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### Key Details

- **Date:** October 2, 2021
- **Location:** Virtual Conference
- **Presented By:**
  - USC Comprehensive Cerebrovascular and Stroke Center, USC Departments of Neurosurgery and Neurology
  - USC Office of Continuing Medical Education