10th Annual Mayo Clinic
STROKE AND CEREBROVASCULAR DISEASE REVIEW

THE RITZ-CARLTON, AMELIA ISLAND
AMELIA ISLAND, FLORIDA
OCTOBER 25–27, 2018
FEATURING AN ABPN APPROVED SELF-ASSESSMENT ACTIVITY

CE.MAYO.EDU/STROKE2018
COURSE HIGHLIGHTS
• This course will provide attendees with an update across all major areas of clinical interest in vascular neurology
• Lectures will cover management of acute ischemic stroke, brain hemorrhage, symptomatic and asymptomatic vascular lesions including arteriovenous malformations, cavernous malformations, cerebral aneurysms, and carotid stenosis
• The course will cover the latest diagnostic and therapeutic approaches to stroke
• Lectures will be supplemented with highlights of images in clinical vascular neurology and group discussions of clinical vignettes

INTENDED AUDIENCE
This course is designed for neurologists, neurosurgeons, interventional neuroradiologists, primary care physicians, emergency department physicians, neurology residents, vascular neurology fellows, and stroke center team members including nurse practitioners, nurses, physician assistants, physical and occupational therapists and speech therapists.

LEARNING OBJECTIVES
• Recognize the eligibility for intravenous TPA in acute ischemic stroke, and endovascular therapy candidates with large vessel occlusion (LVO)
• Identify modifiable stroke risk factors and interventions (e.g., blood pressure control)
• Recognize the signs and symptoms of stroke that prompt emergency evaluation and earlier evidence-based treatment
• Evaluate the data and outcomes of clinical trials and the impact on treatment options for stroke patients
• Describe recent developments in stroke prevention strategies
• Discuss standard and new treatment options for cerebrovascular diseases

ONLINE REGISTRATION
REGISTRATION FEES
$750 Physicians/Scientists
$450 Residents, Physician Assistants and Nurse Practitioners
$200 Nursing Review Session Only
$100 Allied Health Session Only
$25 ABPN MOC

LODGING & ACCOMMODATIONS
A limited block of coastal view rooms are reserved for attendees and their guests at the group rate of $259 per night, plus tax. Call reservations at 866-763-2960 and identify yourself as a participant of the Mayo Clinic Stroke course or reserve online at https://aws.passkey.com/go/10thAnnualCD.

COURSE DIRECTORS
W. David Freeman, M.D.
Kevin M. Barrett, M.D., MSc.
Kelly D. Flemming, M.D.
Benjamin L. Brown, M.D.
Lesia H. Mooney, M.S.N., R.N., A.C.N.S.-B.C.
Sarah H. Peacock, A.R.N.P.

KEYNOTE SPEAKER
Joseph Broderick, M.D., Ph.D.
MAYO CLINIC FACULTY

Maria I. Aguilar, M.D.
Kevin M. Barrett, M.D., MSc.
Benjamin L. Brown, M.D.
Robert D. Brown, Jr., M.D., M.P.H.
Rocco J. Cannistraro, M.D.
Kaisorn L. Chaichana, M.D.
Bart M. Demaerschalk, M.D.
Benjamin H. Eidelman, M.D.
Anteneh M. Feyissa, M.D.
Kelly D. Flemming, M.D.
W. David Freeman, M.D.
Vivek Gupta, M.D.
Josephine F. Huang, M.D.
Daniel A. Jackson, Pharm.D., R.Ph.
James P. Klaas, M.D.
E. Paul Lindell, M.D.
James F. Meschia, M.D.
David A. Miller, M.D.
Lesia H. Mooney, M.S.N., R.N., A.C.N.S.-B.C.
Deena M. Nasr, D.O.
Luke W. Partridge, O.T.
Sarah H. Peacock, A.R.N.P
J. Brent Peel, M.D.
Peter M. Pollak, M.D
Leonardo Rangel-Castilla, M.D.
Rabih G. Tawk, M.D.
Amanda D. Tomlinson, A.R.N.P
Prasanna Vibhute, M.
Waldemar E. Wysokinski, M.D., Ph.D.

GUEST FACULTY

Grzegorz K. Brzezicki, M.D., Ph.D.
UF Health Jacksonville
Shannon Burns, A.R.N.P
UF Health Jacksonville
Kiffon Keigher, M.S.N., A.C.N.P., A.P.N., B.S.N.
Rush University
Thabele M. Leslie-Mazwi, M.D.
Harvard University

ACCREDITATION

In support of improving patient care, Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

Mayo Clinic College of Medicine and Science designates this live activity for a maximum of 21.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Mayo Clinic College of Medicine and Science designates this live activity for a maximum of 21.5 ANCC nursing contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

CONFERENCE SCHEDULE

WEDNESDAY, OCTOBER 24, 2018
Pre-Course Offering: Stroke Nursing Review

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:15 a.m.</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:00</td>
<td>Stroke Nursing Review Course</td>
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<td>Kiffon Keigher, M.S.N., A.C.N.P., A.P.N., B.S.N.</td>
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<tr>
<td>12:15 p.m.</td>
<td>Lunch</td>
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<tr>
<td>1:15</td>
<td>Stroke Nursing Review Course</td>
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<tr>
<td></td>
<td>Kiffon Keigher, M.S.N., A.C.N.P., A.P.N., B.S.N.</td>
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<tr>
<td>4:00 p.m.</td>
<td>Adjourn</td>
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WEDNESDAY, OCTOBER 24, 2018
Pre-Course Offering: Allied Health Session

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:15 a.m.</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:00</td>
<td>Stroke Mimics and Chameleons</td>
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<td>J. Brent Peel, M.D.</td>
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<td>Time</td>
<td>Session Title</td>
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<tr>
<td>8:30</td>
<td>Occupational Therapy and “Wii-hab”</td>
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<tr>
<td>9:00</td>
<td>Stroke Syndromes with Ocular Motor Findings</td>
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<tr>
<td>9:30</td>
<td>Cerebral Salt Wasting Management after Subarachnoid Hemorrhage</td>
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<tr>
<td>10:00</td>
<td>Q&amp;A / Break</td>
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<tr>
<td>10:15</td>
<td>EEG in Stroke - What to Look For</td>
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<td>10:45</td>
<td>Prothrombin Complex Concentrates in Intracranial Hemorrhage: Reviewing the Effects of Warfarin and Newer DOACs</td>
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<tr>
<td>11:15</td>
<td>NeuroRadiology: CT Basics for the Non-Neurologist</td>
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<tr>
<td>12:15</td>
<td>Lunch / Adjourn</td>
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**THURSDAY, OCTOBER 25, 2018**  
*Fundamentals of Stroke*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>7:15 a.m.</td>
<td>Registration and Continental Breakfast</td>
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<tr>
<td>7:45</td>
<td>Welcome and Pre-test</td>
<td>W. David Freeman, M.D.</td>
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<tr>
<td>8:00</td>
<td>Epidemiology of Stroke</td>
<td>Kevin M. Barrett, M.D., MSc.</td>
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<td>8:30</td>
<td>Case-based Vascular Neuroanatomy</td>
<td>Kelly D. Flemming, M.D.</td>
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<td>9:00</td>
<td>Stroke Pathophysiology-Vascular Penumbra and Spreading Depression</td>
<td>W. David Freeman, M.D.</td>
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<tr>
<td>9:30</td>
<td>Neuroimaging of Acute Stroke &amp; Penumbral Imaging</td>
<td>E. Paul Lindell, M.D.</td>
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<tr>
<td>10:00</td>
<td>Q&amp;A / Break</td>
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<tr>
<td>10:30</td>
<td>Transient Ischemic Attack (TIA): Diagnosis and Management</td>
<td>Kevin M. Barrett, M.D., MSc.</td>
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<td>10:50</td>
<td>Heart-Brain Clinic for Cardioembolic Stroke</td>
<td>Peter Pollak, M.D. and Kevin M. Barrett, M.D.</td>
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<td>11:20</td>
<td>DOACs (Direct Oral Anticoagulants) Selection in Stroke Patients</td>
<td>Waldemar E. Wysokinski, M.D., Ph.D.</td>
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<td>11:50</td>
<td>Q&amp;A: Panel Discussion</td>
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<tr>
<td>12:00 p.m.</td>
<td>Lunch</td>
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<tr>
<td>1:00</td>
<td>ESUS/Cryptogenic Stroke</td>
<td>Deena M. Naer, D.O.</td>
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<td>1:30</td>
<td>Intracranial Artery Embolic Events with TCD Monitoring</td>
<td>Josephine F. Huang, M.D.</td>
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<td>2:00</td>
<td>AHA 2018 Acute Ischemic Stroke Guidelines</td>
<td>Bart M. Demaerschalk, M.D.</td>
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<td>2:30</td>
<td>A New DAWN - Using Advanced Imaging for Wake up Stroke up to 24 Hours</td>
<td>Benjamin L. Brown, M.D.</td>
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<tr>
<td>3:00</td>
<td>The Vascular Penumbra Paradox &amp; DEFUSE 3 Results</td>
<td>Thabele M. Leslie-Mazwi, M.D.</td>
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<tr>
<td>3:30</td>
<td>Q&amp;A</td>
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<tr>
<td>3:45 p.m.</td>
<td>Adjourn</td>
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**FRIDAY, OCTOBER 26, 2018**  
*Medical Management and Controversies*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
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</thead>
<tbody>
<tr>
<td>7:30</td>
<td>Continental Breakfast</td>
<td></td>
</tr>
</tbody>
</table>
8:00 Carotid Revascularization and Medical Management for Asymptomatic Carotid Stenosis Trial (CREST-2)- Imaging Inflammation
James F. Meschia, M.D.

8:30 Commonly Asked Questions in the Management of Unruptured Aneurysms
Robert D. Brown, Jr., M.D., M.P.H.

9:00 Cavernous Malformations
Kelly D. Flemming, M.D.

9:30 What's New In Intracerebral Hemorrhage?
Maria I. Aguil, M.D.

10:00 Q&A / Break

10:30 Stroke in the Young
James P. Klaas, M.D.

11:00 Telemedicine - Stroke Systems Model of Care (SSMC) - Update
Bart M. Demaerschalk, M.D.

11:30 Vascular Neurology Training of the Future: Finding a Common Ground
Benjamin H. Eidelman, M.D.

12:00 p.m. Q&A / Break

12:15 Lunch & Learn: Brain Attack Interactive

1:15 Keynote Speaker: Joseph Broderick, M.D., Ph.D., National Institutes of Health Stroke Network (StrokeNet)

2:15 Q&A

2:30 ePosters and Interesting Stroke Imaging Cases in Foyer

4:30 Reception on the Lawn

6:30 Optional: Sunset Yoga
North Ritz-Carlton Beach, North of Yellow Flag

SATURDAY, OCTOBER 27, 2018
Neurosurgical and Endovascular Stroke Therapy

7:15 a.m. Continental Breakfast

8:00 Surgical Management of Cerebral Aneurysms
Rabih G. Tawk, M.D.

8:25 CLEAR III - Lessons Learned on EVD's and Intraventricular Hemorrhage
W. David Freeman, M.D.

8:50 Management of Arteriovenous Malformations
Benjamin L. Brown, M.D.

9:15 Minimally Invasive Surgery for ICH
Kaisorn L. Chaichana, M.D.

9:40 Q&A / Break

10:25 Surgical Management of Carotid Disease
Grzegorz K. Brzezicki, M.D.

10:50 Flow Diversion Devices- Update and New Uses
Leonardo Rangel-Castilla, M.D.

11:15 MoyaMoya Disease and Indications for Cerebrovascular Bypass Surgery
Rabih G. Tawk, M.D.

11:40 Updates in Acute Stroke Intervention
Benjamin L. Brown, M.D.

12:00 p.m. Q&A / Post-test

12:15 Lunch

12:30 Neurosurgery Luncheon, Case Review and Complex Case Discussion:
Complex Neurosurgery Vascular Case Reviews

3:15 p.m. Adjourn
11th Annual Mayo Clinic

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SEPTEMBER 26–28, 2019

SAVE THE DATE!

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