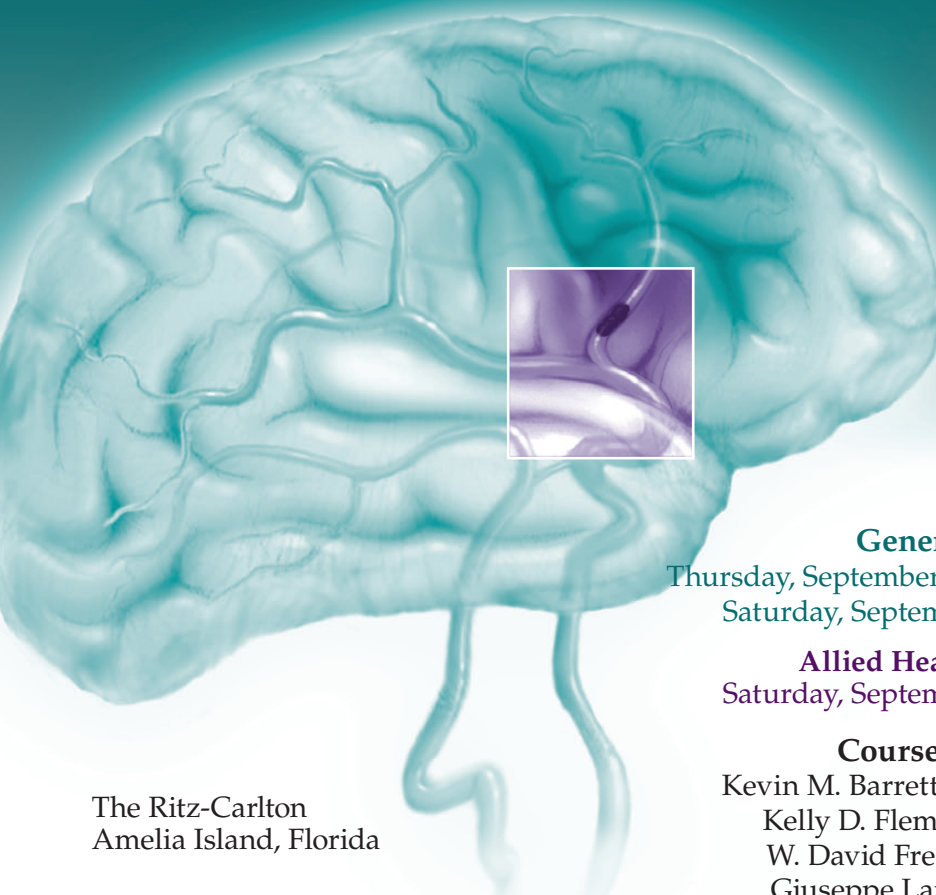




Mayo School of Continuous Professional Development

Mayo Clinic 6th Annual
**Stroke and Cerebrovascular
Disease Review 2014**



The Ritz-Carlton
Amelia Island, Florida

General Session
Thursday, September 25 through
Saturday, September 27, 2014

Allied Health Review
Saturday, September 27, 2014

Course Directors
Kevin M. Barrett, M.D., MSc
Kelly D. Flemming, M.D.
W. David Freeman, M.D.
Giuseppe Lanzino, M.D.

Co-Directors
Suzanne M. Brown, BSN, RN, CNRN, SCRNP
Lesia H. Mooney, MSN, RN, CNRN, SCRNP, ACNS-BC



Featuring an
ABPN Approved Self-Assessment Activity

REGISTER ONLINE NOW!

www.mayo.edu/cme/neurology-and-neurologic-surgery-2014j329

- 2:00 NOAC's (Novel Oral Anticoagulants) – Dabigatran, Rivaroxaban, and Apixaban for Stroke Prevention* - Maria I. Aguilar, M.D.
- 2:30 Asymptomatic Carotid Stenosis – Medical vs. Surgical Management* - James F. Meschia, M.D.
- 3:00 Panel Q&A
- 3:30 Migraine and Stroke* - Holly M. Yancy, D.O.
- 4:00 Concussion (TBI), Blunt Cerebrovascular Injury and Stroke* Bert B. Vargas, M.D.
- 4:30 p.m. Final Q&A/Adjourn

FRIDAY, SEPTEMBER 26, 2014
Medical Management and Controversies of Stroke

- Moderator: Kelly D. Flemming, M.D.
- 7:30 a.m. Continental Breakfast
- 8:00 Commonly Asked Questions in the Management of Unruptured Aneurysms - Robert D. Brown, Jr., M.D.
- 8:30 Cavernous Malformations - Kelly D. Flemming, M.D.
- 9:00 Panel Q&A
- 9:15 Break
- 9:30 Small Vessel Disease* - Benjamin H. Eidelman, M.D.
- 10:00 Wake Up Stroke: What Now?* - Kevin M. Barrett, M.D., MSc
- 10:30 Mobile Telestroke: Smartphone, Tablet, or Robotic Telepresence Bart M. Demaerschalk, M.D.
- 11:00 Panel Q&A
- 11:15 Break
- 11:30 Lunch & Learn- Brain Attack Interactive*
- Moderator: Kevin M. Barrett, M.D., MSc
- Expert Q&A Panel: Kelly D. Flemming, M.D., Kevin M. Barrett, M.D., MSc, David A. Miller, M.D. and Bart M. Demaerschalk, M.D.
- 1:00 p.m. Keynote Speaker: Transcranial Doppler- CLOTBUSTER Results Andrei V. Alexandrov, M.D.
- 2:00 Walking Poster Tour of Challenging Stroke Cases and Posters
- 2:30 Reception on the Lawn
- 4:30 Adjourn

SATURDAY, SEPTEMBER 27, 2014
Neurosurgical And Endovascular Stroke Therapy

- Moderator: Kevin M. Barrett, M.D., MSc
- 7:15 a.m. Continental Breakfast
- 7:45 New Technology for Brain Aneurysms* (Flow Diversion and Stent Assisted Coiling) Giuseppe Lanzino, M.D.
- 8:15 Management of Subarachnoid Hemorrhage* Giuseppe Lanzino, M.D.
- 8:45 Evaluation and Management of Carotid and Vertebral Artery Arterial Dissection* - David A. Miller, M.D.
- 9:15 "When, Why and If" for Hemicraniectomy* - Sara E. Hocker, M.D.
- 9:45 Arteriovenous Malformations* - Giuseppe Lanzino, M.D.
- 10:15 Panel Q&A
- 10:45 Break
- 11:00 IMS 3 – What Does This Mean for Endovascular Stroke Treatments?* Alejandro A. Rabinstein, M.D.
- 11:30 Current & Emerging Revascularization Techniques for Acute Ischemic Stroke* - Rabih G. Tawak, M.D.
- Noon Panel Q&A and Post-test
- 12:15 p.m. Lunch

Workshop-Included in Registration Fee

- 1:15 Neurovascular Neurosurgery Case-Based Discussion

Moderators: Giuseppe Lanzino, M.D., David A. Miller, M.D., Rabih G. Tawak, M.D., with Neurology/Neurosurgery Residents and Fellows

Workshop-\$75 Additional Fee

1:30 Transcranial Doppler Hands-On Workshop - Andrei V. Alexandrov, M.D., Mark N. Rubin, M.D., Laxmi P. Dhakal, M.B.B.S., Kevin M. Barrett, M.D., MSc, and W. David Freeman, M.D. with Neurology/Neurosurgery Residents and Fellows

Workshop-\$75 Additional Fee

1:30 Telectroke – Hands-On Workshop with Robotic Vendors
Dwight D. Channer, M.S. and Bart M. Demaerschalk, M.D.

Workshop-\$75 Additional Fee

1:30 Simulation and Stroke - Dan J. Capampangan, M.D.
3:30 p.m. Adjourn

Additional Offering: Stroke Nursing Review – Saturday, September 27, 2014 (1:15-5:45 pm) is designed for nurses who provide care to patients with acute stroke in the hospital and/or ICU environment. This course is designed to help enhance nursing knowledge in management of acute stroke patients, hospital assessment and documentation, and for nurses who wish to review stroke concepts for stroke center certification or nursing stroke subspecialty review purposes. This afternoon represents the final day of the Stroke Nursing Review lectures, which are also integrated throughout the course and designated with an asterisk (*).

SATURDAY, SEPTEMBER 27, 2014 Allied Health Review

Moderators: Suzanne M. Brown, BSN, RN, CNRN, SCRN, Lesia H. Mooney, MSN, RN, CNRN, SCRN, ACNS-BC and Lauren Ng, M.D.

1:15 p.m. Neurovascular Anatomy* - Rebecca L. Hurst, M.D.
1:45 Deep Vein Thrombosis and Pulmonary Embolus in the Stroke Patient* - Danielle M. Ramsey, A.R.N.P.
2:15 Management of the Craniotomy & Decompressive Craniectomy Patient*
Christina C. Smith, A.R.N.P.
2:45 Physical and Occupational Therapy after Stroke*
Scott M. Arnold, P.T. and Olivia Davis, O.T.D., R/L
3:15 Panel Q&A/Break
3:30 Emergency Department Evaluation of the Acute Stroke Patient*
Shellie A. Durant, R.N., B.S.N., Bethany J. Hilton, R.N.
4:00 Speech and Swallow Evaluation after Stroke-Dysphagia*
Lisa L. Pitre, S.L.P.
4:30 Post Stroke Management and Follow-up of the Stroke Patient*
Kelly D. Flemming, M.D.
5:00 Innovative Approaches to Acute Stroke Education and Nursing Certification*
Anne W. Alexandrov, PhD, RN, CCRN, NVRN-BC, ANVP-BC, FAAN
5:30 Panel Q&A
5:45 Adjourn

FACULTY DISCLOSURE

As a provider accredited by ACCME, College of Medicine, Mayo Clinic (Mayo School of Continuous Professional Development) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director(s), planning committee, faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.

COURSE DESCRIPTION

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 also cover the latest diagnostic and therapeutic approaches to brain attack. Lectures will be supplemented with highlights of images in clinical vascular neurology and group discussions of clinical vignettes. A neurovascular ultrasound hands-on workshop will also be available for attendees.

COURSE LEARNING OBJECTIVES

Upon conclusion of this program, participants should be able to:

- Recognize the eligibility for intravenous TPA in acute ischemic stroke
- 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 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

Attendance at this Mayo course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

INTENDED AUDIENCE

This course is designed for neurologists, neurosurgeons, interventional neuroradiologists, cardiologists, 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.

CREDIT

Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Mayo Clinic College of Medicine designates this live activity for a maximum of *19.75 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 designates this Self-Assessment for up to *2.0 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American Board of Psychiatry and Neurology has reviewed the “Stroke and Cerebrovascular Review Course and Self-Assessment” (awarding *2.0 AMA PRA Category 1 Credits™*) and has approved this program as part of a comprehensive self-assessment program, which is mandated by the ABMS as a necessary component of Maintenance of Certification.

AOA

This program has been accredited by the American Osteopathic Association for 19.75 credits of AOA Category 2-A.

Other Health Care Professionals

A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

Featuring an ABPN Approved Self-Assessment Activity

This course will be offering optional CME and self-assessment credits. Registrants are able to earn credits for the self-assessment, in addition to the live event. A 25 question Self-Assessment must be completed prior to the course activity (ABPN requirement). You will receive log-in information sent to the e-mail provided in your registration. If you have problems with the log-in, contact the CPD office prior to the course start date. Each participant will receive a report with their selected answers, the correct answers and comparative performance of all participants on each question. The report will include recommended literature resources for each question.

GRANTS AND EXHIBITS

At the time of this printing, a complete listing of commercial supporters (financial or in-kind) was not available. Appropriate acknowledgment will be given to all supporters at the time of the meeting.

Exhibits will be available for viewing at all scheduled breaks.

REGISTRATION

To register online, visit <http://www.mayo.edu/cme/neurology-and-neurologic-surgery-2014/329> or complete the attached registration form and return by mail or fax. The registration fee includes tuition, comprehensive electronic course syllabus, continental breakfast, lunch, break refreshments and reception. Although it is not Mayo School of Continuous Professional Development (CPD) policy to limit the number of registrants for a course, conference room facilities may necessitate closing of enrollment; therefore, early registration is advised. A letter of confirmation is sent upon receipt of payment and completed registration form. Please present the confirmation letter when checking in at the meeting registration desk.

CANCELLATION POLICY

If you cancel your participation in this course, your registration fee, less a \$75 administrative fee, will be refunded when written notification is received by Mayo School of CPD on or before Friday, September 12, 2014 (cme-jax@mayo.edu or fax#: 904-956-3096). No refunds will be made after Friday, September 12, 2014. Canceled registrations are non-transferable.

Mayo School of CPD reserves the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event Mayo School of CPD must cancel or postpone this course, Mayo School of CPD will refund the registration fee, but is not responsible for any related costs, charges, or expenses to participants, including fees assessed by airline/travel/lodging agencies.

PROFESSORSHIP

Dr. and Mrs. Donald H. Pellar

The Marcia S. and Donald H. Pellar Visiting Professorship in Neurology at Mayo Clinic in Florida was established through a generous endowment gift from Dr. and Mrs. Donald H. Pellar of Jacksonville, Fla. Mayo Clinic in Florida is honored to host this edition of this important education event.

Dr. and Mrs. Pellar are longtime patients of Mayo Clinic, and their generous philanthropy has touched all aspects of our mission. Their support includes: fellowships, lectureships and research into urology, neurology and cancer initiatives based at our Arizona campus; the Mayo Clinic Arizona Simulation Center; the Lehner Lab in the Johnson Research Building and the Mayo Clinic Specialty Building. Dr. and Mrs. Pellar are recognized as Mayo Clinic Principal Benefactors, Mayo Alumni Laureates and members of The Doctors Mayo Society. For Dr. Pellar, an alumnus of Mayo Graduate School of Medicine, education has long served as a profession and a vocation. In addition to training in the neurology residency at Mayo Clinic, he completed a fellowship in neurology, specialized in EEG testing and subsequently held medical positions in Florida, Arkansas and Texas. He practiced medicine for many years before making the decision to venture into the real estate business. Mayo Clinic is grateful for the partnership of Dr. and Mrs. Pellar. Through their generosity, they facilitate an important exchange of knowledge that helps physicians, staff and students from Mayo and throughout the Jacksonville community gain important new insights. Their ongoing commitment helps ensure medical education of the highest standard, and fortifies our mission to deliver the best care to every patient, every day.

TRAVEL AND LODGING ACCOMODATIONS

The Ritz-Carlton Amelia Island
4750 Amelia Island Parkway
Amelia Island, FL 32034
Phone: (904) 277-1100

www.ritzcarlton.com/ameliaisland

A block of coastal view rooms, single/double/triple/quad occupancy are reserved for attendees and their guests at the group rate of \$189 per night, plus tax. Call reservations at (904) 277-1100 and identify yourself as a participant of the Mayo Clinic Stroke course or reserve online at <http://tinyurl.com/Stroke2014>. Early reservations are recommended due to the limited number of rooms available. Check-in time is after 4 p.m. and check-out time is before noon. All parking at the resort is provided by valet service. Overnight parking at the resort is \$12 per night. Day guest parking is complimentary. Guests will also receive complimentary in-room internet service. Jacksonville International Airport (JAX) is located 35 minutes from The Ritz-Carlton at Amelia Island.

Mayo Faculty

Maria I. Aguilar, M.D.

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Rabih G. Tawk, M.D.

Bert B. Vargas, M.D.

Lindsay N. Williams, M.D.

Holly M. Yancy, D.O.

Guest Faculty

Andrei V. Alexandrov, M.D.

Semmes-Murphey Professor and
Chairman Department of Neurology
The University of Tennessee Health
Science Center Memphis, TN

*Anne W. Alexandrov, PhD, RN,
CCRN, NVRN-BC, ANVP-BC, FAAN*
Professor, University of Tennessee
Health Science Center
NET SMART Program Director
Health Outcomes Institute
Memphis, TN

THURSDAY, SEPTEMBER 25, 2014

Fundamentals Of Stroke

Moderator: W. David Freeman, M.D.

7:00 a.m. Registration and Continental Breakfast

7:45 Welcome and Pre-test - James. F. Meschia, M.D.

8:00 Epidemiology of Stroke* - Kevin M. Barrett, M.D., MSc

8:30 Vascular Anatomy* - Jonathan Graff-Radford, M.D.

9:00 Neuroimaging of Acute Stroke – CT, CT Angio - Perfusion, MRI
Diffusion - Perfusion* - E. Paul Lindell, M.D.

9:30 Stroke Pathophysiology* - W. David Freeman, M.D.

10:00 Panel Q&A

10:15 Break

10:30 Intracerebral Hemorrhage – Update in Management*
Maria I. Aguilar, M.D.

11:00 Sleep and Stroke - Joyce K. Lee Iannotti, M.D.

11:30 Non-atherosclerotic, Large Vessel Arteriopathies
James F. Meschia, M.D

Noon Lunch

Speakers available for Q&A on Stage

1:00 p.m. Transient Ischemic Attack (TIA): Diagnosis and Management*
Kevin M. Barrett, M.D., MSc

1:30 Diagnostic Mechanistic Workup of Stroke & Treatment*
Lindsay N. Williams, M.D.



4500 San Pablo Road
Jacksonville, Florida 32224

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SAVE THE DATE

7th Annual
**Stroke and Cerebrovascular
Disease Review 2015**

September 17-19, 2015

The Ritz-Carlton
Amelia Island, Florida



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