

# CME Information

## Target Audience

This conference is intended for neurologists, emergency physicians, primary care physicians, internists, nurse practitioners, physician assistants, nurses, paramedics, physical therapists, speech therapists, occupational therapists, and other allied health professionals involved in the diagnosis, treatment, and management of stroke care.

## Learning Objectives

### Physicians

- Identify strategies to streamline early stroke identification (pre-hospital/hospital).
- Describe the most important acute brain and vessel imaging modalities e.g. CT/CTA, MRI/MRA, and conventional angiography, along with the benefits, risks, and limitations of each.
- Delineate appropriate acute stroke intervention protocols for thrombolysis and embolectomy.
- Design and develop appropriate policies to rapidly and appropriately transfer patients to Comprehensive Stroke Centers for a higher level of care, acute interventions or clinical trials if available.
- Discuss the management of patients post-thrombolysis or with cerebral edema, hemorrhage, or other complications from acute interventions.
- Describe best practices in transitions of care from the acute hospital to rehabilitation, home, or other appropriate levels of longer term care.

## Learning Objectives

### Advanced Practice Clinicians and Allied Health Professionals:

- Describe the components of pre-hospital EMS screening of large vessel occlusion strokes.
- Describe the evidence based practice for acute treatment and management of patients with acute stroke.
- Identify complications and associated interventions that may occur during the ICU care of the acute stroke patient.
- Explain updates in evidence based practice of the patient with hemorrhagic stroke.
- Describe how to optimize patient care through exposure to innovative research and evidence based practice for stroke patients.
- Identify the most recent advances in endovascular stroke therapies.
- Discuss novel techniques for the monitoring and management of patients with cryptogenic stroke

## CME Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of MedStar Georgetown University Hospital and MedStar Washington Hospital Center. MedStar Georgetown University Hospital is accredited by the ACCME to provide continuing medical education for physicians.

## Credit Designation

MedStar Georgetown University Hospital designates this live activity for a maximum of 12.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## Disclosure of Financial Relationships with any Commercial Interest

As a provider accredited by the ACCME, it is the policy of MedStar Georgetown University Hospital to require that everyone who is in a position to control the content of an educational activity disclose all relevant financial relationships with any commercial interest prior to the educational activity.

The ACCME considers relationships of the person involved in the CME activity to include financial relationships of a spouse or partner. Any individual who refuses to disclose relevant financial relationships will be disqualified from participating in the CME activity. For an individual with no relevant financial relationship(s), the participants must be informed that no conflicts of interest or financial relationships exist.

## Course Description

In 2013, stroke fell from the fourth to the fifth leading cause of death in the United States. Decline in stroke mortality has been attributed to overall population health improvements in acute stroke treatment, prevention, and education. However, about 795,000 people have new or recurrent stroke annually and stroke remains a leading cause of disability.

This one and a half day symposium will equip health care providers with practical, evidence-based knowledge for early stroke identification, evaluation, treatment, transport, and management. Through lectures, interactive sessions, and open discussions, this conference will explore the critical issues surrounding the assessment and management of stroke patients. Additionally the course will review recent AHA/ASA acute ischemic stroke guidelines, cutting-edge interventions, treatment recommendations, and research.

## 2017 Comprehensive Stroke Symposium: Continuum of Care: Acute Management to Rehabilitation

May 19 - 20, 2017 Renaissance Washington, DC Dupont Circle Hotel • Washington, DC

3007 Tilden Street, NW, Suite 3N  
Washington, DC 20008

For updated program information and to register online, please visit: [CME.MedStarHealth.org/Stroke](http://CME.MedStarHealth.org/Stroke)

## 2017 Comprehensive Stroke Symposium: Continuum of Care: Acute Management to Rehabilitation

May 19 - 20, 2017

Renaissance Washington, DC Dupont Circle Hotel  
Washington, DC

### Course Directors:

**Richard T. Benson, MD, PhD**  
MedStar Washington Hospital Center  
Washington, DC

**Rocco A. Armonda, MD**  
MedStar Washington Hospital Center  
MedStar Georgetown University Hospital  
Washington, DC



# Faculty

## Course Directors

### Richard T. Benson, MD, PhD

Associate Medical Director  
Comprehensive Stroke Center  
MedStar Washington Hospital Center  
Washington, DC

### Rocco A. Armonda, MD

Director, Neuroendovascular Surgery  
MedStar Washington Hospital Center  
Washington, DC

## Keynote Speaker

### Ralph L. Sacco, MD, MS

Chief of Neurology Service  
Jackson Memorial Hospital  
Chairman of Neurology  
Olemborg Family Chair in  
Neurological Disorders  
Executive Director,  
Evelyn F. McKnight Brain Institute  
University of Florida  
Miami, FL

## Faculty

### Saeed Alqahtani, MD

Vascular and Endovascular  
Neurology Fellow  
MedStar Washington Hospital Center  
MedStar Georgetown University Hospital  
Washington, DC

### Tina Burton, MD

Vascular Neurology Fellow  
National Institute for Neurological Disorders  
and Stroke  
National Institutes of Health  
Bethesda, MD

### Mandy Dorn

Director, Health for America  
MedStar Institute for Innovation  
Washington, DC

### Alexander W. Dromerick, MD

Vice President, Research  
MedStar National Rehabilitation Hospital  
Chair, Rehabilitation Medicine  
Georgetown University Medical Center  
Washington, DC

### Matthew A. Edwardson, MD

Vascular Neurologist  
MedStar Georgetown University Hospital  
Washington, DC

### Zayd A. Eldadah, MD, PhD

Director, Section of Cardiac Electrophysiology  
MedStar Washington Hospital Center  
MedStar Georgetown University Hospital  
MedStar Heart & Vascular Institute  
Washington, DC

### Scott R. Frank, MD

Medical Director, 3rd Floor Operating Room  
Associate Director, Obstetric Anesthesia  
Department of Anesthesiology  
MedStar Washington Hospital Center  
Washington, DC

### Amie W. Hsia, MD

Medical Director  
Comprehensive Stroke Center  
MedStar Washington Hospital Center  
Washington, DC

### Matthew M. Jacobs, PA-C

Chief Physician Assistant  
Department of Neurosurgery  
MedStar Washington Hospital Center  
Washington, MD

### John W. Krakauer, MD, MA

Co-Director of The Brain, Learning,  
Animation and Movement Lab  
Co-Director of The Kata Project  
Baltimore, MD

### Larry L. Latour, PhD

Staff Scientist  
Stroke Diagnostics and Therapeutics  
National Institute of Neurological  
Disorders and Stroke  
National Institutes of Health  
Bethesda, MD

### John K. Lynch, DO, MPH

Director, Vascular Neurology Fellowship  
Staff Clinician, Section on Stroke and  
Diagnostics and Therapeutics  
National Institute for Neurological  
Disorders and Stroke  
National Institutes of Health  
Bethesda, MD

### Yvette M. McCoy, MS, CCC-SLP, BCS-S

Senior Speech-Language Pathologist  
MedStar National Rehabilitation Network  
Washington, DC

### Mark A. Moore

Mark and Brenda Moore Family Foundation  
McLean, VA

### Kristen M. Nelson, MS, ACNP, MBA

Chief APC, Surgical Critical Care Services  
MedStar Washington Hospital Center  
Washington, DC

### Zurab Nadareishvili, MD, PhD

Medical Director  
NIH Stroke Center at Suburban Hospital  
Johns Hopkins Medicine  
Bethesda, MD

### Paul Nyquist, MD, MPH

Senior Consultant in Neurocritical Care  
National Institutes of Health Critical Care  
Medicine (CCMD)  
Bethesda, MD  
Interim Co-Director  
Johns Hopkins Bayview Neurosciences  
Critical Care Unit  
Director of Neurological Studies  
The GeneSTAR Research Centers  
Baltimore, MD

### Susan Ryerson, PT, DSc

Research Scientist  
MedStar National Rehabilitation Network  
Washington, DC

### Neepa Shah, MS, OTR/L

OT Clinical Supervisor  
Inpatient Student Fieldwork Coordinator  
MedStar National Rehabilitation Network  
Washington, DC

### Alexis N. Simpkins, MD, PhD

Vascular Neurology Fellow  
National Institute for Neurological  
Disorders and Stroke  
National Institutes of Health  
Bethesda, MD

### Andrew B. Stemer, MD

Director, Stroke Program  
MedStar Georgetown University Hospital  
Staff Physician, Vascular Neurology  
MedStar Washington Hospital Center  
Washington, DC

### Peter Turkeltaub, MD, PhD

Director, Aphasia Clinic  
MedStar National Rehabilitation Hospital  
Washington, DC

### Christopher K. Wuerker, MD

Executive Director, MedSTAR Transport  
MedStar Health  
Washington, DC

## Health for America at MedStar Health Fellows:

Stephanie Guang

Michael Mezher

King John Pascual

Ekaterina (Katia) Vlasova

# Friday *May 19*

7:10 AM **Registration and Continental Breakfast**

7:50 AM **Opening Remarks**

*Richard T. Benson, MD, PhD*

## SESSION I: Stroke Rehabilitation

8:00 AM **Gait Management in Stroke Patients**

*Susan Ryerson, PT, DSc*

8:30 AM **Occupational Therapy Needs in Post-Stroke Patients**

*Neepa Shah, MS, OTR/L*

9:00 AM **Dysphagia Management in Stroke: Compensate or Rehabilitate?**

*Yvette M. McCoy, MS, CCC-SLP, BCS-S*

9:30 AM **Post Stroke Aphasia**

*Peter Turkeltaub, MD, PhD*

10:00 AM **Questions and Discussion**

*Y. McCoy, S. Ryerson, N. Shah, P. Turkeltaub*

10:15 AM **Break**

10:30 AM **Brain Plasticity and Post Stroke Recovery**

*Alexander W. Dromerick, MD*

11:00 AM **Rethinking Stroke Rehabilitation**

*John W. Krakauer, MD, MA*

11:30 AM **Questions and Discussion**

*A. Dromerick, J. Krakauer*

11:45 AM **Stroke Survivor Perspective**

*Mark A. Moore*

12:00 PM **Lunch**

## SESSION II: Keynote Lecture

1:00 PM **Keynote: Improving Stroke Quality and Reducing Disparities**

*Ralph L. Sacco, MD, MS*

1:45 PM **Questions and Discussion**

*Ralph L. Sacco, MD, MS*

## SESSION III: Rapid Fire Updates

2:00 PM **EMS Screening for LVO**

*Christopher K. Wuerker, MD*

2:15 PM **Acute Ischemic Stroke**

*John K. Lynch, DO, MPH*

2:30 PM **Acute Stroke Biomarkers**

*Zurab Nadareishvili, MD, PhD*

2:45 PM **Secondary Stroke Prevention**

*Matthew A. Edwardson, MD*

3:00 PM **Questions and Discussion**

*M. Edwardson, J. Lynch, Z. Nadareishvili, C. Wuerker*

3:15 PM **MedStar's Millennial Makers: Health for America and Stroke Care Innovation**

*Mandy Dorn; Stephanie Guang; Michael Mezher; King John Pascual; Ekaterina (Katia) Vlasova*

3:30 PM **Advanced Imaging for Cerebrovascular Disease**

*Larry L. Latour, PhD*

3:45 PM **Stroke National Capital Area Network for Research (SCANR)**

*Amie W. Hsia, MD*

4:00 PM **Cardiogenic Stroke Update: New Techniques and Devices**

*Zayd A. Eldadah, MD, PhD*

4:15 PM **Questions and Discussion**

*M. Dorn, Z. Eldadah, S. Guang, A. Hsia, L. Latour, M. Mezher, K.J. Pascual, E. Vlasova*

4:30 PM **Closing Remarks**

*Richard T. Benson, MD, PhD*

# Saturday *May 20*

7:30 AM **Registration and Continental Breakfast**

7:55 AM **Opening Remarks**

*Richard T. Benson, MD, PhD*

## SESSION IV: Neuro-Critical Care Updates in Cerebrovascular Disease

8:00 AM **Neuro-Critical Care Overview**

*Paul Nyquist, MD, MPH*

8:30 AM **Cerebral Edema Management**

*Matthew M. Jacobs, PA-C*

8:45 AM **Post Stroke Intervention Complication**

*Kristen M. Nelson, MS, ACNP, MBA*

9:00 AM **Using Imaging and Blood Biomarkers to Identify Patients at Risk of Early Complications from Acute Ischemic Stroke Treatment: Putting it All Together**

*Alexis N. Simpkins, MD, PhD*

9:15 AM **Questions and Discussion**

*M. Jacobs, K. Nelson, P. Nyquist, A. Simpkins*

9:25 AM **Treat or Not to Treat: This is the Question**

*Tina Burton, MD*

9:40 AM **Break**

## SESSION V: Neuro-Endovascular Rescue

10:00 AM **Neuro-Anesthesia: Anesthesia Approach to the Acute Stroke Patient**

*Scott R. Frank, MD*

10:20 AM **Indications for Thrombectomy**

*Saeed Alqahtani, MD*

*Rocco A. Armonda, MD*

*Andrew B. Stemer, MD*

10:40 AM **Techniques and Devices for Mechanical Thrombectomy**

*Saeed Alqahtani, MD*

*Rocco A. Armonda, MD*

*Andrew B. Stemer, MD*

11:00 AM **Advances in Neuro-Endovascular Rescue**

*Rocco A. Armonda, MD*

*Andrew B. Stemer, MD*

11:20 AM **Managing Complications in Neuro-Endovascular Rescue**

*Saeed Alqahtani, MD*

*Rocco A. Armonda, MD*

*Andrew B. Stemer, MD*

11:40 AM **Questions and Discussion**

*S. Alqahtani, R. Armonda, S. Frank, A. Stemer*

12:00 PM **Closing Remarks**

*Richard T. Benson, MD, PhD*

12:15 PM **Adjourn**



# Registration *Information*

## Registration fees

|                                  |       |
|----------------------------------|-------|
| Physician.....                   | \$295 |
| Resident/Fellow.....             | \$150 |
| Advanced Practice Clinician..... | \$150 |
| Nurse.....                       | \$150 |
| Allied Health Professional.....  | \$150 |

## Online Registration Preferred

Please visit our secure website at <http://CME.MedStarHealth.org/Stroke> updated program and registration information. We are unable to accept registrations or cancellations by telephone. If you wish to pay your registration fee by check, please download and print a registration form and mail it to the address on the registration form with your check.

All registrations will be confirmed by email only. Please use an email address that you check regularly. If you have questions regarding registration or do not receive an email confirmation of your registration within 1-2 business days, please contact us at [medstarcm@gmail.com](mailto:medstarcm@gmail.com) or 202-780-1655.

## Cancellation Policy

Cancellations made in writing by Friday, March 31, 2017 will be subject to a 50% penalty. No refunds will be given after Friday, March 31, 2017. Cancellations will not be accepted by telephone. In the unlikely event that the course is canceled, MedStar Health will refund the registration fee, but is not responsible for any travel costs.

Please call 202-780-1655 or email [medstarcm@gmail.com](mailto:medstarcm@gmail.com) if you any questions or need any additional information.

# Venue *Information*

## Renaissance Washington, DC Dupont Circle Hotel

1143 New Hampshire Ave, NW  
Washington, DC 20037  
202-775-0800



## Special Assistance

MedStar Health wishes to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently from other individuals because of the absence of auxiliary aids or services identified in the Americans with Disabilities Act. Please contact 202-780-1655 to notify us of your needs.