

Brain Attack! 2011

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Neurology
Neurosurgery
Radiology
Emergency Medicine

Brain Attack! 2011

**The Next Generation of Comprehensive
Stroke and Cerebrovascular Care**

**Saturday
October 29, 2011**

**Eric P. Newman Education Center
Washington University Medical Center
St. Louis, Missouri**

**This conference provides health care professionals with
information regarding updates in acute stroke management.**

Brain Attack! 2011

The Next Generation of Comprehensive Stroke and Cerebrovascular Care

**Saturday
October 29, 2011**

**Eric P. Newman Education Center
Washington University Medical Center
St. Louis, Missouri**

Course Chairs

Peter D. Panagos, MD, FACEP, FAHA & Renee B. Van Stavern, MD

Course Co-Chairs

Colin P. Derdeyn, MD

Jin-Moo Lee, MD, PhD

Gregory J. Zipfel, MD, FACS, FAHA

Presented By

Stroke and Cerebrovascular Center

The Departments of Neurology, Neurosurgery,

Radiology and Emergency Medicine

Washington University School of Medicine and Barnes-Jewish Hospital

Sponsored By

Washington University School of Medicine

Continuing Medical Education

TARGET AUDIENCE

This activity is designed for emergency medicine physicians, neurologists, neurosurgeons, primary care physicians, internists, neuroscience and emergency medicine nurses, EMS providers, hospital administrators and other health professionals who want to enhance their knowledge of the management of patients with cerebrovascular diseases.

LEARNING AND PERFORMANCE OBJECTIVES

The intended result of this live activity is increased competence, performance and skill resulting in enhanced patient care. At the conclusion of this course, participants should be able to:

- Discuss available and emerging treatment options for cerebrovascular diseases.
- State the risks, benefits and controversies of evolving therapeutic techniques in the treatment and management of cerebrovascular disorders.
- Describe and implement the recent developments in stroke prevention strategies.
- Describe and incorporate the recent developments in stroke rehabilitation.
- State the importance of stroke networks.
- Recognize the different models of stroke networks.

ACCREDITATION • CREDIT • DISCLOSURE POLICY

Washington University is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Washington University designates this live educational activity for a maximum of **7.25 AMA PRA Category 1 Credit(s)[™]**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

4 hours of Continuing Education is pending, as approved by Washington University EMS accredited Training Entity #51012PC, Missouri Department of Health and Senior Services, Bureau of Emergency Medical Services.

of nursing contact hours pending.

Washington University School of Medicine is an approved provider of continuing nursing education by the Missouri Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

It is the policy of Washington University School of Medicine, Continuing Medical Education, to ensure balance, independence, objectivity and scientific rigor in all its educational activities. All faculty participating in this activity are expected to disclose to the audience any financial interest or other relationship he/she has with the manufacturer(s) of any commercial product(s) discussed in an educational presentation.

Speakers are also expected to openly disclose inclusion of discussion of any off-label, experimental, or investigational use of drugs or devices in their presentations.

INVITED GUEST FACULTY

Edward C. Jauch, MD, MS, FAHA, FACEP

Professor, Interim Chief and Research Director, Department of Medicine
Division of Emergency Medicine
Professor, Department of Neurosciences
Associate Vice Chair for Research, Department of Medicine
Medical University of South Carolina, Charleston, South Carolina

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE AND BARNES-JEWISH HOSPITAL ACTIVITY FACULTY

David A. Carpenter, MD

Associate Professor of Neurology

Alexandre Carter, MD, PhD

Assistant Professor of Neurology
Division of Rehabilitation

Ralph G. Dacey, Jr., MD

Henry G. and Edith R. Schwartz Professor and
Chairman. Department of Neurological Surgery
Neurosurgeon-in-Chief, Barnes-Jewish Hospital

Colin P. Derdeyn, MD

Professor of Radiology, Neurology and
Neurological Surgery; Director, The Center for
Stroke and Cerebrovascular Disease; Director,
Washington University SPOTRIAS Center

Michael N. Diringer, MD

Professor of Neurology, Neurological Surgery and
Anesthesiology; Director, Neurology/Neurological
Surgery Intensive Care Unit

Andria L. Ford, MD

Assistant Professor of Neurology
Director, Acute Stroke Services

Jin-Moo Lee, MD, PhD

Associate Professor of Neurology, Radiology
and Biomedical Engineering
Head, Cerebrovascular Disease Section
Co-Director, The Center for Stroke and
Cerebrovascular Disease

Christopher J. Moran, MD

Professor of Radiology and of Neurological Surgery

**Jill M. Newgent, RN, BSN, Clinical Research
Specialist, Department of Neurology**

Peter D. Panagos, MD, FACEP, FAHA

Associate Professor of Emergency Medicine and
Neurology; Director, Neurovascular Emergencies
Co-Director, BJC/WUSM Stroke Network

Aseem Sharma, MD

Assistant Professor of Radiology

David K. Tan, MD, EMT-T, FAAEM

Assistant Professor of Emergency Medicine
Chief, Emergency Medical Services Section

Timothy Tranor, RN

Renee B. Van Stavern, MD

Associate Professor of Neurology
Co-Director, BJC/WUSM Stroke Network
Vascular Neurology Fellowship Program Director

**Jennifer A. Williams, MSN, RN, ACNS-BC
Clinical Nurse Specialist, Emergency Services**

Allyson R. Zazulia, MD

Associate Professor of Neurology and Radiology

Gregory J. Zipfel, MD, FACS, FAHA

Assistant Professor and Program Director
Department of Neurological Surgery
Co-Director, Stroke and Cerebrovascular Center
Barnes-Jewish Hospital Washington University
School of Medicine

AGENDA

- 7:30am** *Registration & Continental Breakfast*
8:00 **Welcome and Opening Remarks** - Dr. Panagos

SESSION I - STROKE SYSTEMS OF CARE

Moderator: Dr. Van Stavern

- 8:10** **Stroke System Models 2011: Defining What's Best for You** - Dr. Panagos
8:30 **National Trends in Stroke Care** - Dr. Jauch

SESSION II - IMAGING IN STROKE AND CEREBROVASCULAR DISEASE

Moderator: Dr. Lee

- 8:55** **Approach to Advanced Imaging in Stroke Patients** - Dr. Sharma
9:30 **CTA, MRA, Catheter Angiography: What to Use, When to Use It** - Dr. Derdeyn
9:50 **Diffusion-Perfusion Confusion: Should it be Used to Select Patients for Thrombolysis?** - Dr. Ford
10:15 **Panel Discussion with Question and Answer:** Drs. Derdeyn, Ford and Sharma
10:30 *Refreshment Break*

SESSION III - HEMORRHAGE AND CEREBROVASCULAR DISEASE

Moderator: Dr. Dacey

- 10:55** **STOP-IT Trial: The evolution of the Factor VII in ICH** - Dr. Jauch
11:20 **Evidence-based Medical Management of Subarachnoid Hemorrhage**
Dr. Diringer
11:45 **Surgical and Endovascular Management of AVMs** - Dr. Zipfel
12:05pm **Alternative Endovascular Treatments: Pipeline Device** - Dr. Moran
12:25 **Panel Discussion with Question and Answer:** Drs. Diringer, Jauch, Moran and Zipfel
12:35 *Luncheon (to be provided)*

SESSION IV - ACUTE ISCHEMIC STROKE AND STROKE PREVENTION

Moderator: Dr. Carpenter

- 1:35** **New Oral Anticoagulants for Stroke Prevention: Oral Factor Xa and Direct Thrombin Inhibitors** - Dr. Zazulia
1:55 **Intracranial Stenting after SAMMPRIS** - Dr. Derdeyn
2:20 **Rapid Treatment Protocols for tPA: How Fast is Fast Enough?** - Dr. Lee
2:45 **Panel Discussion:** Drs. Derdeyn, Lee, Zazulia
3:00 *Refreshment Break*

SESSION V - NEUROREHABILITATION

Moderator: Dr. Van Stavern

- 3:15** **Approach to Impaired Neurocognition** - Dr. Carter
3:45 **Discussion with Question and Answer**

BREAKOUT SESSIONS (Select One Session to Attend)

- 4:00** **A. Nurse Coordinator Networking: Preparing for State and TJC Accreditation**
Ms. Newgent, Williams and Mr. Tranor
B. EMS and TCD: Prehospital Care - Dr. Tan
C. Stroke and Cerebrovascular Case Discussions with Question and Answer
Drs. Derdeyn, Lee, Panagos and Zipfel
5:00 *Adjourn*

The Stroke and Cerebrovascular Center at Washington University and Barnes-Jewish Hospital

The Stroke and Cerebrovascular Center at Washington University School of Medicine and Barnes-Jewish Hospital (BJH) serves as the preeminent stroke center for the St. Louis metropolitan area and the central midwest. Barnes-Jewish Hospital is certified as a Primary Stroke Center by The Joint Commission on Accreditation of Healthcare Organizations. About 1500 patients with stroke or cerebrovascular disease are admitted each year. The Center is a national leader in cerebrovascular disorders, providing comprehensive, multidisciplinary care for patients with ischemic and hemorrhagic stroke since 1994. The Center includes neurologists, emergency physicians, cerebrovascular surgeons, interventional neuroradiologists and critical care neurologists dedicated to the care of patients with cerebrovascular diseases, including stroke, cerebral aneurysms, vascular malformations, and Moyamoya disease.

Acute Treatment

The BJH ED-based team provides a rapid care program for patients with new stroke symptoms, including immediate evaluation by emergency physicians and neurologists, CT/MRI within minutes of arrival, prompt neurovascular intensive and intermediate level care and novel diagnostic and therapeutic approaches for acute ischemic and hemorrhagic stroke.

Inpatient Stroke Service

To help stroke patients and their families, BJH has developed a rapid response stroke team. This team is available 24 hours a day, seven days a week. These specialists provide individual expertise and exceptional care to help stroke patients. This multidisciplinary team develops an individualized program for each stroke patient from admission to discharge.

Prevention

The Center provides comprehensive evaluation and treatment recommendations in the outpatient setting for patients at increased risk for ischemic or hemorrhagic stroke. Faculty have expertise in high risk conditions such as atrial fibrillation, carotid stenosis, TIA and aneurysms or vascular malformations.

Research

Washington University is one of only eight US academic centers to receive an NIH SPOTRIAS (Specialized Programs of Translational Research in Acute Stroke) Center grant. This prestigious designation involves collaboration with an exclusive network of stroke centers performing cutting edge research, sharing data and promoting new therapies for acute stroke. Washington University is also involved in other studies for acute stroke, hemorrhage and prevention.

Rehabilitation

Stroke rehabilitation begins immediately after hospital admission. BJH offers a full range of inpatient, outpatient and community rehabilitation services focused on limiting disability and restoring function to the patient. Through an innovative partnership between BJC HealthCare and HealthSouth, The Rehabilitation Institute of St. Louis, located on the Washington University Medical School Campus, is a state-of-the-art, 96-bed rehabilitation facility. As the first freestanding acute rehabilitation facility in the St. Louis area, it is a leader in rehabilitative care, research, education and community service.

Neurovascular Disorders Treated at Barnes-Jewish Hospital

At Washington University School of Medicine, neurologists, neurosurgeons, emergency physicians, interventional neuroradiologists, and radiation oncologists coordinate the care of patients with neurovascular disorders, including ischemic and hemorrhagic stroke, aneurysms, AVMs, arteriovenous fistulas, cavernous malformations, carotid stenosis, Moyamoya disease and vascular tumors. Novel techniques, such as vascular bypass, skull-base surgery, endovascular therapy, Gamma Knife radiosurgery, intraoperative MRI, Stealth computerized surgical navigation and functional MRI allow us to offer sophisticated treatment plans for many patients whose lesions were thought to be untreatable.

GENERAL INFORMATION

Location

The Eric P. Newman Education Center (EPNEC), Washington University Medical Center, 320 S. Euclid Ave., St. Louis, Missouri 63110. A map will be included with your registration acknowledgment. Since meeting room temperatures are difficult to regulate, it is recommended that you bring a sweater or jacket.

Parking

Parking validation is available for paid registrants at the **North Garage** (on Euclid Ave. at Parkview Place). Validation for other parking garages is not available. Overnight parking cannot be validated.

Accommodations

When making reservations, please ask for the **Washington University Brain Attack** course for discounted rates.

Room blocks expire Monday, October 17, 2011. Discount is not available for reservations made on-line.

- **The Parkway Hotel** (adjacent to the conference center)
314-256-7777 or toll free 866-314-7700 www.theparkwayhotel.com
4550 Forest Park Boulevard, St. Louis, MO 63108
Executive Level \$129 + tax
- **The Chase Park Plaza Hotel** (5 block walking distance)
314-633-3014 or toll free 877-587-2427 www.chaseparkplaza.com
Please call Mon-Fri, 8am-8pm
212-232 N. Kingshighway Blvd., St. Louis, MO 63108
One-Bedroom Suite \$162 + tax

Please Note

Washington University is not responsible for airline or hotel reservations. Please confirm seminar registration acceptance prior to purchase of non-refundable or penalty airline tickets.

Transportation

The Central West End MetroLink Station is conveniently located at the medical center on Euclid Ave., ½ block south of EPNEC, one block from The Parkway Hotel. The MetroLink ride from the airport (station at airport) to the medical center takes approximately 20 minutes and costs \$3.75 (www.metrostlouis.org). Taxis are available at the airport and cost approximately \$45 to the medical center.

Registration/Payment Policy

Your full payment in advance completes your registration and ensures your enrollment in this course. If you have not received an acknowledgment within two weeks of your registration submission, please call the CME office. Opportunities for on-site registration are limited and may be unavailable. To inquire about the availability to register on-site, please contact the CME office.

Cancellations

Registration fee less \$50 administrative charge is refundable if cancellation is received in writing by Monday, October 17, 2011.

For Further Seminar Information

Continuing Medical Education
Website: <http://cme.wustl.edu> Phones: 314-362-6891 800-325-9862
E-mail: CME@wustl.edu Fax: 314-362-1087

Day of Seminar Only Telephone Number

314-747-6338
Ask for the Brain Attack symposium.

Minimum & Maximum Enrollments Have Been Established

ADVANCE REGISTRATION

Brain Attack! 2011 - The Next Generation of Comprehensive Stroke and Cerebrovascular Care
Saturday, October 29, 2011

To ensure proper spelling of your name, please print clearly.

Full Name _____ Degree _____

Address _____

City/ State/ Zip _____

Office Phone _____ Fax _____

Specialty _____ Email _____

Medical School Graduate of: Washington University Other Year _____

REGISTRATION FEES

By Oct 17

After Oct 17

<input type="checkbox"/> Physician	\$160	\$210
<input type="checkbox"/> Allied Health Professional	\$120	\$170
<input type="checkbox"/> EMS (provide name of EMS agency when registering)	\$ 80	\$130
EMS Agency _____		

Fee includes enrollment, continuing education credits, educational materials, parking validation (self park North Garage only), breakfast, refreshment breaks, luncheon and exhibits (paid participants only).

CONVENIENT WAYS TO REGISTER

- ONLINE** Secure online registration available at <http://cme.wustl.edu>
- MAIL** this completed form with your check payable to: Washington University, CME/WUSM
Campus Box 8063, 660 South Euclid Ave., St. Louis, MO 63110
- FAX** this completed form with credit card information to Fax: 314-362-1087 MC Visa Disc AmEx
Name on Card _____ Signature _____
Card# _____ Exp Date _____
- PHONE** your registration to: 800-325-9862 or 314-362-6891. Please have credit card information ready.

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ERIC P. NEWMAN EDUCATION CENTER

