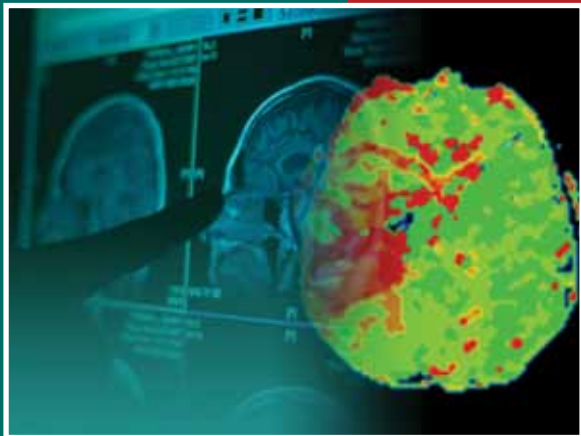


Innovation and Technology in Cerebrovascular Disease

Thursday and Friday, June 18-19, 2009

Swedish Education & Conference Center
Swedish Medical Center/Cherry Hill
500 17th Avenue
Seattle, Washington



Course Description

This comprehensive program will provide up-to-date, practical clinical information on the diagnosis, treatment and management of cerebrovascular disease. Faculty from a multi-disciplinary team of neurovascular specialists will provide an update on technological advances in the field from the perspectives of stroke neurology, neuroradiology, interventional radiology, neurosurgery, cardiology and nursing. Workshops on neurovascular ultrasound will provide focused learning using case studies on established diagnostic techniques, including the use of Transcranial Doppler (TCD), TCD imaging and monitoring, findings in right-to-left cardiac shunts and neurosurgical applications.

Intended Audience

The target audience for this conference includes neurologists, neurosurgeons, neuroradiologists, vascular surgeons, neurodiagnostic technologists, diagnostic medical sonographers (echo and vascular technologists), emergency physicians, nurses, EMS medics and EMS dispatch coordinators with an interest in stroke care.

Needs Statement

Clinicians today are faced with a rapidly growing population of patients with both acute and chronic cerebrovascular disease. Successful treatment requires many different and complex management strategies, but each year brings new innovations and technological advances in imaging, cerebral blood flow measurements and evidence-based medical practices. Clinicians in the field thus require constant updates on research findings and treatment options in order to provide the most informed and evidence-based care for patients. This course will provide attendees with the information needed to improve management strategies for the growing population of patients with acute or chronic cerebrovascular disease.

Merrill P. Spencer, M.D.

The Merrill P. Spencer Endowed Lectureship was created in honor of Dr. Merrill Spencer in order to permanently recognize his important and lasting contributions to the advancement of knowledge in cardiovascular and cerebrovascular research. Dr. Spencer has built bridges globally, among researchers and clinicians interested in using ultrasound as a research and diagnostic tool, which have led to pioneering advances in the understanding and treatment of stroke. He was the medical director of Spencer Vascular Diagnostics Services in Seattle, Washington before his death, July 3, 2006.

Agenda

Thursday, June 18, 2009

- 7:30 a.m. **Registration and Continental Breakfast**
- 8 a.m. **Welcome and Introductions**
David W. Newell, M.D.
- 8:15 a.m. **Keynote: New Technologies for Understanding and Treating Cerebrovascular Disease**
Howard Yonas, M.D., FACS

Session I: Hyperacute Ischemic Stroke — Presentation, Diagnosis, Treatment and Research

- 9 a.m. **Acute Stroke — The Perilous First Hours**
William Likosky, M.D.
- 9:30 a.m. **Use of MRI in Understanding Cerebral Bloodflow**
Maarten G. Lansberg, M.D., Ph.D.
- 10 a.m. **Break**
- 10:15 a.m. **Extension of the Thrombolytic Time Window**
Todd Czartoski, M.D.
- 10:45 a.m. **Clinical and Research Status of Ultrasound-Enhanced Thrombolysis**
Andrei V. Alexandrov, M.D.
- 11:15 a.m. **Advances and Meaning of Emboli Detection in Cerebrovascular Disease**
Rune Aaslid, Ph.D.
- 11:45 a.m. **Perfusion-Weighted Imaging (PWI) and Diffusion-Weighted Imaging (DWI) in Clinical Decision Making**
Maarten G. Lansberg, M.D., Ph.D.
- 12:15 p.m. **Lunch**

TCD WORKSHOPS (12:20-12:50 p.m.)

Emboli Detection: Demonstration and Case Study
Rune Aaslid, Ph.D., and Krislynn Barnhart, B.S., RVT

Diagnostic Transcranial Doppler Imaging (TCDI): Demonstration
Colleen Douville, B.A., RVT

Acute Stroke: Demonstration and Case Study
Andrei V. Alexandrov, M.D., and Meryl Harley, B.A., RVT

Session II: Advances in Stroke Treatment

- 1 p.m. **Advances in Stroke Therapy: Intra-Arterial Rescue Treatments**
Helmi Lutsep, M.D., FAHA
- 1:30 p.m. **Stroke in Infants and Children**
Andrei V. Alexandrov, M.D.

- 2 p.m. **Significance of Blood Pressure Management Following Thrombolysis**
William Likosky, M.D.
- 2:30 p.m. **Outreach through Stroke Telemedicine**
Tammy L. Cress, R.N., MSN, FAHA
- 3 p.m. **Break**
- 3:15 p.m. **The Role of Stents in Carotid Stenosis**
Paul Huang, M.D.
- 3:45 p.m. **Endovascular Treatment of Intracranial Arterial Stenosis**
Joe Eskridge, M.D.
- 4:15 p.m. **Cerebral Revascularization for Extra and Intracranial Disease**
David W. Newell, M.D.
- 4:45 p.m. **Adjourn**

SPENCER LECTURE

- 5 p.m. **Drinks and Appetizers**
- 6 p.m. **Applied Cerebrovascular Physiology**
Rune Aaslid, Ph.D.
- 7 p.m. **Adjourn**

Friday June 19, 2009

Session III: Subarachnoid Hemorrhage — Presentation, Diagnosis, Treatment and Research

- 7:30 a.m. **Registration and Continental Breakfast**
- 8 a.m. **Treatment and Management of Cerebral Aneurysms**
Peter D. LeRoux, M.D., FACS
- 8:30 a.m. **Noninvasive Measurement of Cerebral Autoregulation**
Rune Aaslid, Ph.D.
- 9 a.m. **Routine Imaging and the Role of Computed Tomography (CT) Perfusion**
Bart P. Keogh, M.D., Ph.D.
- 9:30 a.m. **Surgical Treatment of Intracranial Aneurysms**
David W. Newell, M.D.
- 10 a.m. **Break**
- 10:15 a.m. **Endovascular Treatment of Aneurysms**
Joe Eskridge, M.D.
- 10:45 a.m. **Vasospasm and Cerebral Ischemia**
Peter D. LeRoux, M.D., FACS
- 11:15 a.m. **Management in the ICU Following Subarachnoid Hemorrhage (SAH)**
Howard Yonas, M.D., FACS

- 11:45 a.m. **Seizures in Subarachnoid Hemorrhage and Intracerebral Hemorrhage**
Jehuda Sepkuty, M.D.

- 12:15 p.m. **Lunch**

TCD WORKSHOPS (12:20-12:50 p.m.)

TCD in the Neuro ICU — Vasospasm, Intracranial Pressure (ICP), Circulatory Arrest: Demonstration and Case Study
M. Mohsin Shah, M.D., and Joshua Renz, B.S., RVT

TCD Functional Studies — Vasomotor Reactivity (VMR) with Breath-Holding: Demonstration and Case Study
Andrei V. Alexandrov, M.D., and Colleen Douville, B.A., RVT

TCD in Patent Foramen Ovale (PFO): Demonstration and Video Case Study
Paul Huang, M.D., and Ajay Zachariah, RVT, RDMS, RDMS

Session IV: Intracranial Hemorrhage

- 1 p.m. **Treatment of Acute Intracerebral Hemorrhage (ICH)**
Howard Yonas, M.D., FACS
- 1:30 p.m. **Risk and Prediction of ICH Post-Thrombolysis**
Andrei V. Alexandrov, M.D.
- 2 p.m. **Current Research in Acute Spontaneous ICH (SLEUTH)**
David W. Newell, M.D.
- 2:30 p.m. **Neuroimaging in Hemorrhage and Arteriovenous Malformations (AVM)**
Bart P. Keogh, M.D., Ph.D.
- 3 p.m. **Advances in Cerebral Embolization — AVMs, Tumors and Cysts**
Joe Eskridge, M.D.
- 3:30 p.m. **Adjourn**



Course Objectives

At the conclusion of this course, participants will provide better patient care through an increased ability to:

- Identify and treat patients with acute ischemic and hemorrhagic stroke using rapid clinical assessment and diagnostic technologies
- Discuss emerging neuroimaging techniques for the guidance of hyperacute ischemic stroke diagnosis and treatment
- Explain the role of intra-arterial rescue treatment options for patients with stroke
- Define surgical and endovascular treatment options in patients with intracranial and intracranial cerebrovascular disorders
- Describe the role of telemedicine in extending the reach of hyperacute stroke management to emergency departments that otherwise do not have access to stroke specialists
- Review recent data on the treatment and management of aneurysmal subarachnoid hemorrhage (SAH)
- Describe novel therapies and research findings in cerebrovascular disease
- Recognize the risk factors of intracranial hemorrhage (ICH) following thrombolysis
- Discuss neuroimaging strategies in the management of SAH and ICH

Accreditation with Commendation

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

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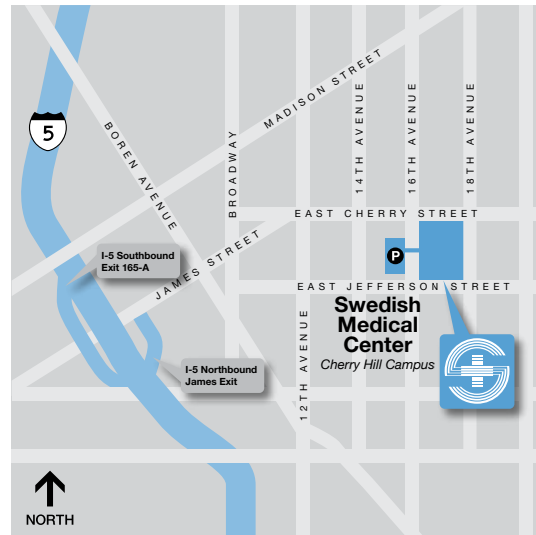
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Acknowledgments

This symposium is supported in part by educational grants and exhibit fees, in accordance with ACCME Standards. At the time of this printing, a complete listing of commercial supporters was not available. Appropriate acknowledgment will be given to all supporters at the time of the symposium.

Location

Swedish Medical Center/Cherry Hill is located at 500 17th Avenue in Seattle, Washington. The conference will be held in the Swedish Education and Conference Center on the first floor of the James Tower. Parking is available in the garage on 16th Avenue. From I-5 (northbound and southbound), take the James Street exit. Travel east on James Street. James will become Cherry Street. Turn right (south) on 16th Avenue. Turn right into the main garage entrance.



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Joe Eskridge, M.D.
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Bart Keogh, M.D.
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David Newell, M.D.
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Registration Deadline:

Preregistration is required as space is limited. Participants who register by the "Advance Registration" deadline will receive a confirmation postcard after Monday, June 8, 2009. Registrations will only be processed when accompanied by full payment.

Cancellation:

To receive a refund, notice of cancellation must be received no later than Friday, June 12, 2009.

If using the registration form, please mail or fax it to:

Continuing Medical Education
Swedish Medical Center
747 Broadway
Seattle, WA 98122-4307
Fax: 206-386-3180

Please note: No registrations are accepted by phone or e-mail.

If you have special needs, please contact the CME office at 206-386-2755.

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Check here if you will attend the Spencer reception and lecture from 5-7 p.m. on Thursday, June 18.

Registration Fees: Please check one of the following:

	Advance Registration	After June 8
Physicians	<input type="checkbox"/> \$425	<input type="checkbox"/> \$455
International, Fellows, Allied Health Professionals	<input type="checkbox"/> \$225	<input type="checkbox"/> \$255
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