11th Annual Cleveland Neurocritical Care & Stroke Conference

Don't Look Back

May 30 & 31, 2014

Iris S. and Bert L. Wolstein Research Building Case Western Reserve University Cleveland, Ohio

Presented by



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Introduction

In the past few years, there has been nothing short of a revolution in the diagnosis and treatment of cerebrovascular disease. What was almost unimaginable in the past is now common: diffusion-perfusion imaging to define the potential salvagability of tissue, emergent reperfusion therapy to restore cerebral blood flow, multi-modal monitoring to ensure optimal physiological conditions for healing, and advanced medical management to prevent stroke recurrence. For the 11th Annual Cleveland Neurocritical Care & Stroke Conference, we have gathered many of the internationally renowned experts who have led this revolution. Our 5th Annual Transcranial Doppler Ultrasound Workshop will also provide a complete review of ultrasound principles, techniques, and interpretation.

Please join us for this extraordinary forward-looking conference covering the latest in stateof-the-art stroke care.

Who Should Attend

This symposium is designed for neurologists, neurosurgeons, neurointensivists, internists, family medicine physicians, and emergency medicine physicians. Nurses and other allied health professionals may also find this education of value.

Objectives

After attending the 11th Annual Cleveland Neurocritical Care & Stroke Conference participants will be able to:

- Recognize how to apply the new AHA Guidelines to patients with stroke
- Identify where and why the new AHA Guidelines differ from the old guidelines
- Understand the advantages and disadvantages of the new anticoagulant agents for stroke prevention
- Identify the risk and benefits of IV versus IV/IA thrombolysis for patients with acute stroke
- Identify the role that targeted temperature management plays in patients after cardiac arrest

After attending the 5th Annual Transcranial Doppler Ultrasound Workshop participants will be able to:

- Describe the underlying principles of TCD Sonography
- Recognize the role of TCD monitoring in patients with subarachnoid hemorrhage and vasospasm
- Discuss the role of TCD sonography in determining brain death
- Discuss the role of emboli monitoring with TCD sonography
- Describe how to best document, code and bill for TCD services

Continuing Education

Case Western Reserve University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education to physicians.

Case Western Reserve University School of Medicine designates the 11th Annual Cleveland Neurocritical Care & Stroke Conference live activity for a maximum of 7.25 AMA PRA Category 1 Credits[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Case Western Reserve University School of Medicine designates the 5th Annual Transcranial Doppler Ultrasound Workshop live activity for a maximum of 3.75 AMA PRA Category 1 Credits[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Faculty

Michael De Georgia, MD

Course Director Maxeen Stone and John A. Flower Professor of Neurology Case Western Reserve University School of Medicine Director, Neurocritical Care Center Co-director, Cerebrovascular Center University Hospitals Case Medical Center

Guest Faculty

Gary Bernardini, MD, PhD

Professor of Neurology and Neurosurgery Director of Stroke and Neurocritical Care Albany Medical Center Albany, NY

David Crippen, MD

Professor of Critical Care Medicine Co-Director, Neurovascular ICU University of Pittsburgh Pittsburgh, PA

Stephan Mayer, MD

Director, Institute for Critical Care Medicine Departments of Neurology and Neurosurgery Icahn School of Medicine at Mt. Sinai New York, NY

Larry Raber, RDMS, RVT, RT(R)

Director, Neurosonology Cleveland Clinic

Case Western Reserve University

Nicholas Bambakidis, MD

Associate Professor of Neurological Surgery Director, Cerebrovascular and Skull Base Surgery

University Hospitals Neurological Institute University Hospitals Case Medical Center

Kristine Blackham, MD

Assistant Professor of Radiology Program Director, Neuroradiology University Hospitals Case Medical Center

Anthony Furlan, MD

Gilbert W. Humphrey Professor and Chair Department of Neurology Co-director, University Hospitals Neurological Institute University Hospitals Case Medical Center

Alan Hoffer, MD

Assistant Professor of Neurological Surgery Department of Neurological Surgery University Hospitals Case Medical Center Karen Lidsky, MD Associate Professor of Pediatrics Director, Pediatric Critical Care Transport

Benjamin Miller, MD Department of Neurology University Hospitals Case Medical Center

Svetlana Pundik, MD

Assistant Professor of Neurology Department of Neurology Louis Stokes Cleveland VA Medical Center

Warren Selman, MD

The Harvey Huntington Brown Jr. Professor and Chair Department of Neurological Surgery Director, University Hospitals Neurological Institute University Hospitals Case Medical Center

Tanzila Shams, MD

Department of Neurology University Hospitals Case Medical Center

Daniel Simon, MD

Herman K. Hellerstein Chair in Cardiovascular Research and Professor of Medicine

Director, University Hospitals Harrington Heart & Vascular Institute Chief, Division of Cardiovascular Medicine

University Hospitals Case Medical Center

Cathy Sila, MD

George M. Humphrey II Professor of Neurology Case Western Reserve University School of Medicine Director, Stroke & Cerebrovascular Center Director, Neurosonology

University Hospitals Case Medical Center

Matthew Smith, MD

Department of Neurology University Hospitals Case Medical Center

Sophia Sundararajan, MD, PhD

Assistant Professor of Neurology Department of Neurology University Hospitals Case Medical Center

Robert Tarr, MD

Professor of Neuroradiology Section Chief, Neuroradiology Associate Director, University Hospitals Neurological Institute University Hospitals Case Medical Center

Benjamin Walter, MD

Assistant Professor of Neurology Director, Center for Movement Disorders University Hospitals Case Medical Center

Program Agenda

Friday, May 30, 2014

7:3	30 – 8 : 30am	Registration and Continental Breakfast
8:3	30 – 8:40	Opening Remarks and Welcome Michael De Georgia, MD
		Session 1: Updates in Stroke Prevention Cathy Sila, MD
8:4	40 – 9:00	New AHA Guidelines for Cardiovascular Prevention Daniel Simon, MD
9:0	00 – 9:20	New Anticoagulant Agents for Atrial Fibrillation Sophia Sundararajan, MD, PhD
9:2	20 – 9:40	New Approaches for Cryptogenic Stroke Gary Bernardini, MD, PhD
9:4	40 – 10:00	New Approaches for Carotid Stenosis Nicholas Bambakidis, MD
10:	:00 - 10:10	Panel Discussion
10	:10 – 10:30	Break
		Session 2: Updates in Stroke Treatment Anthony Furlan, MD
10:	:30 – 10:50	Update on Neuroimaging for Acute Stroke Therapy Kristine Blackham, MD
10	:50 – 11:20	Upate on Intravenous Thrombolysis for Acute Stroke Cathy Sila, MD
11:	20 – 11:50	Update on Interventional Therapy for Acute Stroke Robert Tarr, MD
11:	50 – 12:00	Panel Discussion
12:	00 – 1:30	Lunch
	Session 3	: Updates in Neurosurgery and Neurocritical Care Michael De Georgia, MD
1:3	0 – 1:50	Update on Intracerebral Hemorrhage Alan Hoffer, MD
1:50 – 2:10		Update on Subarachnoid Hemorrhage Stephan Mayer, MD

11th Annual Cleveland Neurocritical Care & Stroke Conference Friday, May 30

2:10 – 2:30	Update on Hypothermia for Cardiac Arrest
	Michael De Georgia, MD

- 2:30 3:00 Update on Brain Death David Crippen, MD
- 3:00 3:10 Panel Discussion
- 3:10 3:30 Break

Session 4: Updates in Stroke Rehabilitation Warren Selman, MD

- 3:30 3:50 Stroke Rehabilitation Using Transcranial Magnetic Stimulation Svetlana Pundik, MD
- 3:50 4:10 Stroke Rehabilitation Using Computer-Brain Interface Technology Benjamin Walter, MD
- 4:10 5:00 Looking Forward Anthony Furlan, MD
- 8:00 The Codes at Panini's Bar and Grill, 1825 Coventry Road, Cleveland Heights

5th Annual Transcranial Doppler Ultrasound Workshop Saturday, May 31

7:30 – 8:00am	Registration and Continental Breakfast	9:40 – 10:00	Break
8:00 – 8:20	Physiology Cathy Sila, MD	10:00 – 10:30	PFO and Right to Left Shunts (with Demonstration of Bubble Study)
8:20 – 8:40	Subarachnoid Hemorrhage Matthew Smith, MD		Tanzila Shams, MD
		10:30 -	Pediatric TCD
8:40 – 9:00	Intracranial Stenosis Benjamin Miller, MD	10:50	Karen Lidsky, MD
9:00 – 9:20	Cerebrovascular Reactivity and Hyperperfusion	10:50 – 11:10	Emboli Monitoring Larry Raber, RDMS, RVT, RT(R)
	Benjamin Miller, MD	11:10 -	Documentation, Coding
		11:30	and Billing
9:20 – 9:40	Increased ICP and Brain Death Michael De Georgia, MD		Larry Raber, RDMS, RVT, RT(R)
		11:30 -	Panel Discussion
		12:00	

General

Meeting Location and Parking

Iris S. and Bert L. Wolstein Research Building Case Western Reserve University 2103 Cornell Road Cleveland, OH 44106

Parking is available in the Health Sciences Parking Garage, located under the Biomedical Research Building, accessible from both Cornell Road and Circle Drive; in the Rainbow Babies and Children's Parking Garage on Adelbert Road; or in the University Hospitals Parking Garage located on University Hospitals Drive, just off of Euclid Avenue. You are responsible for your own parking charges.

The Codes

Following the educational sessions on Friday, come to Panini's Bar and Grill, 1825 Coventry Road, and hear the Codes play at 8pm. Admission and dancing are free. Drinks and food available for purchase.



Cancellation Policy

Full refunds will be made for cancellations on or prior to May 16 only. Cancellations after May 16 but prior to May 23 require a cancellation fee of \$25.00. No refunds will be made after May 23.

Registration Information

Conference tuition includes all educational sessions, materials, continental breakfast and lunch.

Suggested Accommodations:

Courtyard by Marriott Cleveland University Circle 2021 Cornell Rd., Cleveland, Ohio 44106 Phone (216) 791-5678; (800) 321-2211; Fax (216) 791-5342 www.courtyard.com/CLECE

Doubletree by Hilton—The Tudor Arms Hotel 10660 Carnegie Avenue Cleveland, Ohio 44106 Phone (216) 452-1260; Fax (216) 231-1816 www.doubletreehilton.com

The Glidden House 1901 Ford Drive, Cleveland, Ohio 44106 Phone (216) 231-8900; (866) 812-4537; Fax (216) 231-2130 www.gliddenhouse.com

Acknowledgments

This symposium will be supported by grants from industry. A complete listing of supporters will be provided in the syllabus materials distributed at the meeting. Acceptance of funding in support of this symposium does not constitute endorsement of any product or manufacturer.

Disclosure Policy

The policy of the Case Western Reserve University School of Medicine CME Program (CWRU) requires that the Activity Director, planning committee members and all activity faculty (that is, anyone in a position to control the content of the education activity) disclose to the activity participants all relevant financial relationships with commercial interests. Disclosure will be made to activity participants prior to the commencement of the activity. CWRU also requires that faculty make clinical recommendations based on the best available scientific evidence and that faculty identify any discussion of "off-label" or investigational use of pharmaceutical products or medical devices.





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The commitment to exceptional patient care begins with revolutionary discovery. University Hospitals Case Medical Center is the primary affiliate of Case Western Reserve University School of Medicine, a national leader in medical research and education and consistently ranked among the top research medical schools in the country by U.S. News & World Report. Through their faculty appointments at Case Western Reserve University School of Medicine, physicians at UH Case Medical Center are advancing medical care through innovative research and discovery that bring the latest treatment options to patients.

REGISTRATION FORM

11th Annual Cleveland Neurocritcal Care & Stroke Conference: Don't Look Back / CID 2487

How to Register:

Mail this registration form with your check or credit card number to: Registrar, CME Program Case Western Reserve University 10524 Euclid Avenue Cleveland, OH 44106-6026

Register online with a credit card at http://casemed.case.edu/cme

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Telephone (216) 983-1239 or (800) 274-8263 with the information requested below and your credit card number

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May 30 Stroke Conference	May 31 TCD Worksho	р
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