

**The 5th Annual International Meeting on
Cerebral Revascularization
January 20-23, 2005**

Please print
Name _____
Degree _____ Specialty _____
Mailing Address _____

City _____
State _____ Postal Code _____ Country _____
Phone _____
Fax _____
E-mail _____

Course # P012005

Tuition Fees:

- \$1995 Physician Fee
- \$1295 Residents/Military Fee (Letter of verification required)
- \$500 Neurologists & Neuroscientists Fee / Non-Practical (*Lectures Only*)
- \$0 Special Event Dinner - January 21, 2005
(No add'l charge. Please check if you will attend)

Method of Payment:

Make payable to **Practical Anatomy & Surgical Education**, Attn: Tammi Mooshegian,
3839 Lindell Blvd., St. Louis, MO 63108-3413

Check Enclosed

OR
Charge    

Account Number _____ Exp. Date _____

Cardholder's Name _____

Signature _____

For additional information contact Tammi Mooshegian:
Phone: 314-535-4000 Fax: 314-535-8214 E-mail: pa@slu.edu

**F
A
C
U
L
T
Y**

COURSE DIRECTOR
Saleem I. Abdulrauf, MD, FACS
Director, Cerebrovascular and Skull
Base Surgery Program
Saint Louis University School of
Medicine, St. Louis, MO

SENIOR FACULTY
**Issam A. Awad, MD, MSc, FACS
MA(hon)**
Evanston Northwestern Healthcare
Professor and Vice Chairman
Dept. of Neurosurgery, Northwestern
University, Feinberg School of
Medicine, Chicago, IL

H. Hunt Batjer, MD
Michael J. Marchese Professor of
Neurological Surgery and Chair
Dept. of Neurosurgery
Northwestern University, Feinberg
School of Medicine, Chicago, IL

Fady T. Charbel, MD
Professor and Head,
Dept. of Neurosurgery
University of Illinois at Chicago
Chicago, IL

Ralph G. Dacey, Jr., MD
Henry G. & Edith R. Schwartz
Professor and Chairman of
Neurological Surgery
Washington University
School of Medicine, St. Louis, MO

Colin P. Derdeyn, MD
Associate Professor of Radiology
Neurology, and Neurological Surgery
Washington University
School of Medicine, St. Louis, MO

Richard G. Ellenbogen, MD
Chairman of Neurological Surgery
University of Washington
School of Medicine, Seattle, WA

Donald L. Jacobs, MD
Associate Professor, Vascular Surgery
Saint Louis University
School of Medicine, St. Louis, MO

Richard Lee, MD, MBA
Assistant Professor of Surgery,
Saint Louis University
School of Medicine, St. Louis, MO

Joel D. MacDonald, MD
Assistant Professor
Dept. of Neurosurgery
University of Utah
School of Medicine, Salt Lake City, UT

David W. Newell, MD
Professor, Dept. of Neurosurgery
University of Washington
School of Medicine, Seattle, WA

Christopher S. Ogilvy, MD
Professor of Neurosurgery
Director of Cerebrovascular Surgery
Harvard Medical School, Boston, MA

Laligam N. Sekhar, MD, FACS
Vice Chairman and Professor, Dept. of
Neurological Surgery, North Shore
University Hospital, Great Neck, NY

Philip E. Stieg, PhD, MD
Professor and Chairman
Dept. of Neurological Surgery
Weill Medical College of Cornell
University, New York, NY

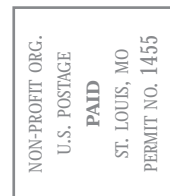
B. Gregory Thompson, MD
Associate Professor
Dept. of Neurosurgery
University of Michigan Health System,
Ann Arbor, MI

Cornelis A. F. Tulleken, MD, PhD
Professor, Dept. of Neurosurgery
University Medical Center,
Utrecht, The Netherlands

Paul H. Young, MD
Clinical Professor, Dept. of Surgery -
Section of Neurosurgery, Center for
Anatomical Science and Education,
Saint Louis University School of
Medicine, St. Louis, MO

Howard Yonas, MD
Peter J. Jannetta Professor and Vice
Chairman, Dept. of Neurological
Surgery, University of Pittsburgh
School of Medicine, Pittsburgh, PA

FACULTY COORDINATOR
Sarah Dawson, RN, BSN
Clinical Nurse, Coordinator
of Cerebral and Skull Base Surgery
Saint Louis University
School of Medicine, St. Louis, MO

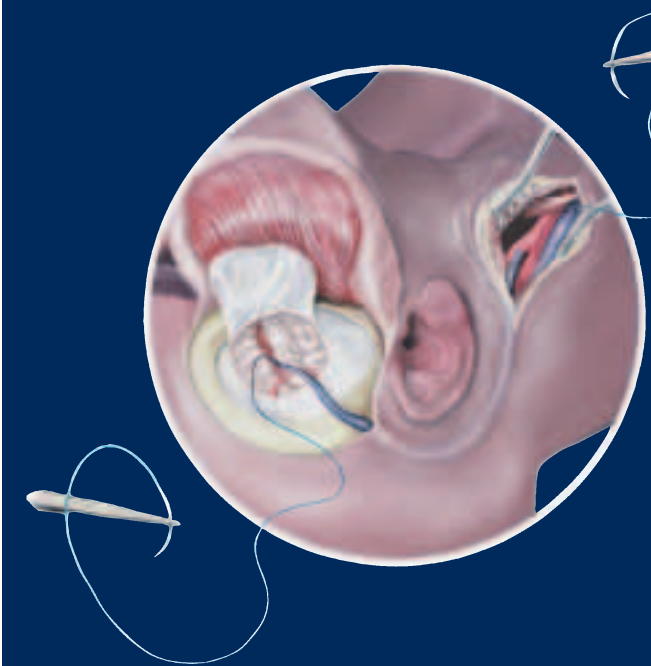


SAINT LOUIS UNIVERSITY
Practical Anatomy & Surgical Education
3839 Lindell Boulevard
St. Louis, MO 63108-3413



**THE 5th ANNUAL INTERNATIONAL MEETING ON
CEREBRAL REVASCULARIZATION
and HANDS-ON COURSE ON MICROANASTOMOSIS
and EC-IC BYPASS TECHNIQUES**

Course Director: Saleem I. Abdulrauf, MD, FACS



- Hands-On EC-IC Bypass on Cadavers
- Hands-On Microanastomosis on Live Anesthetized Rats
- Hands-On Carotid Endarterectomy on Cadavers
- Demonstration of Laser Microanastomosis Technique

January 20-23, 2005 - St. Louis, MO USA





THURSDAY, JANUARY 20, 2005

7:30 am	Registration and Continental Breakfast	
8:00 am	Welcome & Introduction of Faculty	S. Abdulrauf
8:15 am	Overview of Cerebrovascular Hemodynamics, Cerebral Blood Flow, and Cerebral Reserve	C. Derdeyn
9:00 am	Break & Exhibits	
9:15 am	Microvascular Anastomosis Laboratory Session I: Fine Suture Techniques on Rubber Tubing under Microscope	F. Charbel, R. Ellenbogen, R. Lee, J. MacDonald, H. Yonas, P. Young
11:30 am	Lunch	
12:30 pm	Demonstration of Microvascular Anastomosis in Rats	J. MacDonald
1:00 pm	Microvascular Anastomosis Laboratory Session II: Hands-on Micro-suturing Techniques on Live Anesthetized Rats	F. Charbel, R. Ellenbogen, R. Lee, J. MacDonald, H. Yonas, P. Young
3:00 pm	Break & Exhibits	All Faculty
3:15 pm	Microvascular Anastomosis Laboratory Session II (cont.)	
6:00 pm	Adjourn	

FRIDAY, JANUARY 21, 2005

7:30 am	Sign-In and Continental Breakfast	
8:00 am	Cerebral Blood Flow: Concepts	H. Yonas
8:30 am	Management of Moya Moya Disease	R. Ellenbogen
9:00 am	Use of LASER for Anastomosis: Review of Personal Experience	C. Tulleken
9:30 am	Breaks & Exhibits	
9:45 am	Cadaver Hands-On Laboratory Session I:	I. Awad, F. Charbel, D. Jacobs, J. MacDonald, P. Stieg, G. Thompson, H. Yonas
	Demonstration of:	
	• Cervical Dissection & Clamping	P. Stieg
	• Microsurgical Endarterectomy	I. Awad
	• Shunting Techniques	D. Jacobs
12:00 pm	Lunch	
1:00 pm	Cadaver Hands-On Laboratory Session II:	I. Awad, F. Charbel, D. Jacobs, J. MacDonald, P. Stieg, G. Thompson, H. Yonas
3:00 pm	Breaks & Exhibits	
3:15 pm	Cadaver Hands-On Laboratory II (cont.)	
4:30 pm	New Techniques for Assessment of Cerebrovascular Hemodynamics: Indications & Technical Nuances	F. Charbel
5:00 pm	Adjourn	
7:00 pm	Special Event Dinner	

SATURDAY, JANUARY 22, 2005

7:30 am	Registration and Continental Breakfast	
8:00 am	High Flow Bypass for Cerebral Aneurysms: Technical Issues	G. Thompson
8:15 am	EC-IC Bypass in Skull Base Surgery	S. Abdulrauf
8:30 am	High Flow Bypass: An Overall Perspective	R. Dacey
8:45 am	High Flow Bypass: Avoidance of Complications	C. Ogilvy
9:00 am	High Flow Bypass: Avoidance of Complications	H. Batjer
9:15 am	Panel Discussion: EC-IC Bypass Techniques and Complications	Moderator: S. Abdulrauf Faculty: H. Batjer, F. Charbel, R. Dacey, C. Ogilvy, P. Steig, G. Thompson, C. Tulleken
9:45 am	Break & Exhibits	
10:00 am	Cadaver Hands-On Laboratory Session III:	I. Awad, F. Charbel, P. Stieg, G. Thompson, C. Tulleken, H. Yonas
	• STA-MCA Bypass Techniques	P. Stieg
	• Demonstration of STA-MCA Bypass	
12:30 pm	Lunch	
1:30 pm	Cadaver Hands-On Laboratory Session IV:	I. Awad, H. Batjer, F. Charbel, J. MacDonald, G. Thompson, H. Yonas
	• Posterior Circulation Bypass Techniques	
	Low Flow Bypass Techniques 3-D Demonstrations:	
	• Occipital Artery to PICA Bypass	F. Charbel
	• PICA to PICA Bypass	G. Thompson
3:00 pm	Break & Exhibits	
3:15 pm	Cadaver Hands-On Laboratory Session IV (cont.)	
5:00 pm	Adjourn	

SUNDAY, JANUARY 23, 2005

7:30 am	Registration and Continental Breakfast	
8:00 am	High Flow Bypass: 3-D Demonstration	L. Sekhar
9:00 am	Cadaver Hands-On Laboratory Session V:	S. Abdulrauf, H. Batjer, R. Dacey, C. Ogilvy, L. Sekhar, G. Thompson
	• High Flow Bypass Techniques	
11:30 am	Lunch	
12:30 pm	Cadaver Hands-On Laboratory Session V (cont.)	
3:00 pm	WORKSHOP ADJOURNS	

CONTINUING EDUCATION

FACULTY DISCLOSURE POLICY

It is the policy of Saint Louis University School of Medicine to insure balance, independence, objectivity and scientific rigor in its continuing medical education program. Faculty participating in these activities are required to disclose to the audiences prior to the activity the following:
 (1) The existence of any significant financial or other relationship with the manufacturer of any commercial product or provider of any commercial service discussed. (2) Their intention to discuss a product that is not labeled for the use under discussion. (3) Their intention to discuss preliminary research data.

VALIDATION OF CONTENT

Saint Louis University School of Medicine follows the ACCME policy on Validation of Content for CME activities which requires that:
 • All recommendations involving clinical medicine must be based on evidence that is accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients.
 • All scientific research referred to, reported or used in CME in support or justification of a patient care recommendation must conform to the generally accepted standards of experimental design, data collection and analysis.

WORKSHOP LOCATION

This workshop will be conducted at Practical Anatomy & Surgical Education located at 3839 Lindell Boulevard, St. Louis, Missouri 63108-3413.

CANCELLATION POLICY

Cancellations received by January 6, 2005 will be refunded in full; those received after that date are subject to a \$100 administrative fee. No refunds will be issued for cancellations received after January 13, 2005. The conference is not responsible for travel expenses incurred. In the event the conference is cancelled, the tuition fee and flight transfer fee (original receipt required) are reimbursable.

PLEASE NOTE

If you have NOT received confirmation of registration prior to your departure, contact Practical Anatomy. Registration cannot be processed until full payment is received. Practical Anatomy is not responsible for expenses incurred by individuals who are not confirmed and paid-in-full.

ACCOMMODATIONS

For the convenience of our attendees, a block of rooms has been set aside with discounted room rates at two hotels within minutes from the workshop location.

Chase Park Plaza \$149 1 BR Suite
 212 N. Kingshighway Phone: (877) 587-2427
 St. Louis, MO 63108 Fax: (314) 633-3003
 Website: <http://www.chaseparkplaza.com/hotel.htm>



Water Tower Inn at Saint Louis University - \$70 --
 3545 Lafayette Ave. Phone: (314) 977-7500
 St. Louis, MO 63104 Fax: (314) 977-7505
 Website: <http://www.slu.edu/events>

Please be sure to mention: Booking #800

For information on alternative hotels, contact the Course Manager.

Make reservations directly with the hotel. Room reservations are NOT made through the Practical Anatomy office. **Do not make airline reservations until you have received written confirmation of placement in the workshop.**

SPECIAL EVENT DINNER

A special dinner is planned for Friday, January 21, 2005, at a popular St. Louis restaurant. Participants are welcome to enjoy this special evening at no additional cost. If you wish to bring a guest, there will be an additional charge of \$75 per guest. Transportation will be provided.

It is our intent that at the completion of this course the participants will improve their surgical technique and care of the patient at risk for stroke through:

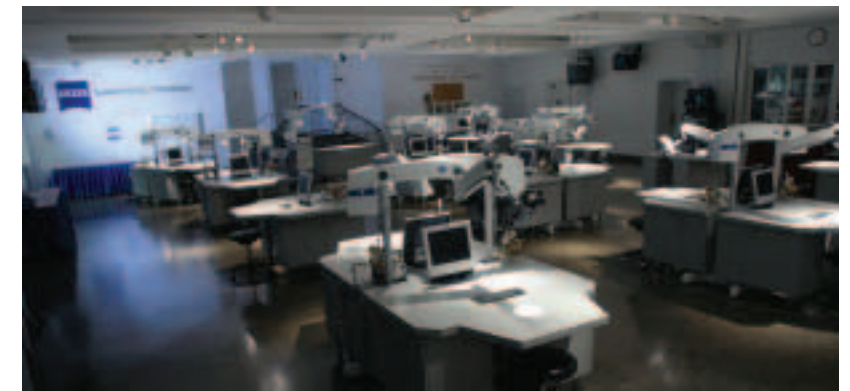
- the application of knowledge gained of the pathophysiology of cerebral ischemia
- discussion of the surgical decision making process in the management of patients with cerebral vascular disease
- description and demonstration of the step-wise approach in performing carotid endarterectomy
- description and demonstration of microvascular anastomosis techniques
- discussion of the indications of performing an extracranial to intracranial bypass
- description and demonstration of the surgical technique in performing extracranial to intracranial bypass

DESIGN

This intensive hands-on workshop is designed to provide ample opportunity for:

- hands-on microvascular anastomosis sessions for refining techniques on specially prepared cadavers and on live rats - 2 surgeons per cadaver specimen
- didactic lectures and discussion
- unique 3-D video demonstrations of anatomy and operative approaches
- videos of actual bypass procedures

MISSION STATEMENT: Practical Anatomy and Surgical Education, of the Center for Anatomical Science and Education, Saint Louis University School of Medicine, is dedicated to the development and presentation of innovative medical health and science workshops. Practical Anatomy strives to promote the concept of lifelong learning by utilizing the latest technology to connect young people, residents, healthcare professionals and surgeons, to world-class experts and faculty.



ACCREDITATION: Saint Louis University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.



In recognition of their commercial support, participating companies are listed in alphabetical order:

Aesculap, Cardinal Healthcare, Carl Zeiss, Inc., Ethicon, GE-EOC Medical Systems, Integra, Medtronic Midas Rex, Scanlan, Stryker Instruments, Stryker Leibinger