Mayo School of Continuing Medical Education

Advances and Controversies in the Medical, Endovascular and Surgical Treatment of Vascular Disease

The 3rd Mayo Vascular Symposium

September 26 – 28, 2004

Honorary President:
Anthony W. Stanson, MD

Symposium Chair:
Peter Gloviczki, MD

Symposium Co-Chairs:
Haraldur Bjarnason, MD
Thom W. Rooke, MD

Executive Committee:
Thomas C. Bower, MD
Leslie T. Cooper, MD
C. Michael Johnson, MD
Robert A. Lee, MD
Charanjit S. Rihal, MD
Roger F. Shepherd, MD
Enrique A. Sabater, MD
Timothy M. Sullivan, MD

Mayo Civic Center
Rochester, MN

Organized by the Mayo Clinic Gonda Vascular Center
Course Description
This multidisciplinary vascular meeting will present a comprehensive review of the state-of-the-art practices and cutting-edge developments in Vascular Medicine, Vascular Imaging, Vascular Surgery and Endovascular Interventions. The symposium will feature keynote speakers, special lectures, and awards for best posters in basic and clinical research. The multidisciplinary conferences will be organized with the Mayo Clinic Gonda Vascular Center. For a full Program Agenda please log on to www.xpertize.com.

Course Learning Objectives
Upon conclusion of this program, participants should be able to:
• Outline advances and controversies in the medical, endovascular and surgical management of patients with thoracic and abdominal aortic aneurysms.
• Outline advances and controversies in the medical, endovascular and surgical treatment of aortoiliac and infrainguinal arterial occlusive diseases, renal and mesenteric artery occlusive diseases.
• Describe current indications and results of open carotid surgery and carotid artery stenting.
• Assess medical, surgical and endovenous management of patients with acute venous thromboembolism, varicose veins and venous ulcers.
• Assess risk factors of atherosclerosis and the medical and surgical management of arteritis. Attendance at this Mayo course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

Intended Audience
Vascular surgeons, vascular internists, vascular interventionists, vascular radiologists, cardiologists with interest in peripheral vascular disease, vascular nurses and technologists and primary care physicians with an interest in arterial disease, angiologists, phlebologists. Also, neurologists, neurosurgeons and neuroradiologists interested in extracranial carotid artery disease.

Educational Grants
This course is supported, in part, by educational grants from INDUSTRY SUPPORTERS, 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 meeting.

Mayo Faculty
Maria Altuwaiqri, MD
Karen L. Andrews, MD
Thomas C. Bower, MD
Jerome F. Breen, MD
Robert D. Brown, Jr., MD
Haraldur Bjarnason, MD
Michele Carno, MD
Harry J. Cloft, MD
Leslie T. Cooper, MD
Mark G. Costopoulos, MD
Konstantinos Delis, MD
Cindy Felty, RN, MSN, C-ANP
Peter Gloviczki, MD
John A. Heit, MD
Steven Karvos, DPM
Ifikhar J. Kullo, MD
C. Michael Johnson, MD
Manju Kalra, MD
Verghese Mathew, MD
Robert D. McBane, MD
Ian McPhail, MD
Michael A. McKusick, MD
Michael Mikhail, MD
Sanjay Misra, MD
Geza Mozes, MD
Audra A. Noel, MD
Gustavo Oderich, MD
Alessandra Puggioni, MD
Charanjit S. Rihal, MD
Thom W. Rooke, MD
Enrique Sabater, MD
Alexander Schirger, MD
Roger F. Shepherd, MD
Raymond C. Shields, MD
Thoralf M. Sundt III, MD
Anthony W. Stanson, MD
Timothy M Sullivan, MD
Stephen C. Textor, MD
Paul W. Wennberg, MD
Waldemar E. Wysokinski, MD
Vincent Yacyshyn, MD

Mayo Clinic
Jacksonville Faculty:
Albert G. Hakaim, MD
W. Andrew Oldenburg, MD

Mayo Clinic
Scottsdale Faculty:
Richard J. Fowl, MD

Guest Faculty:
Enrico Ascher, MD
Kenneth J. Cherry, MD
Ramon Berguer, MD, PhD
Keith D. Calligaro, MD
Matthew J. Dougherty, MD
Mark Eskandari, MD
John W. Hallett, Jr., MD
Alan T. Hirsch, MD
Peter G. Kalman, MD
Sunday, September 26, 2004
11:00 am – 12:45 pm
Registration/Exhibits
Mayo Civic Center, Mayo Civic Arena
12:45 pm – 2:30 pm
SESSION I - PERIPHERAL ARTERIAL DISEASE (PAD) (I)
Opener and Remarks and Introduction
Peter Gloviczki, MD, Haraldur Bjarnason, MD, Thom W. Roote, MD
Peripheral Arterial Disease (PAD): The Magnitude of a Public Health Problem. – Alan T. Hirsch, MD
Inflammation and Endothelial Dysfunction: Novel Risk
Markers in Peripheral Arterial Disease. – Jitkhar J. Kullo, MD.
Non-operative Management of Claudication: How Effective Is Exercise and What Drugs Should We Use? – Vincent Yacoub, MD
Angioplasty, Stents or Open Surgical Bypass for Aortoiliac Occlusive Disease. – Peter G. Kalmar, MD
New Techniques for Percutaneous Recanalizations for Chronic Ischemia: Results of Subintimal Angioplasty. – Ian McPhail, MD
Infragenual Occlusive Disease: Bypass or Endovascular Treatment? – Richard J. Fee, MD
3:00 pm – 4:30 pm
SESSION II-THE MANAGEMENT OF AORTIC ANEURYSMS
The Natural History of Aortic Aneurysms: Lessons Learned from Recent Randomized Studies and the Mayo Experience. – John W. Hallett, MD
Cardiac Morbidity of Aortic Aneurysm Repairs: Pre-operative Evaluation and Management. – Michele Carmo, MD
Minilaparotomy for AAA Repair: An Effective Technique to Decrease Surgical Morbidity. – Audra A. Noel, MD
Open vs. Endovascular Repair of AAA. – Peter Gloviczki, MD
Indications and Results of Endovascular Repair of AAA at Mayo Clinic, Jacksonville. – Albert G. Hakaan, MD
Secondary Procedures After Endovascular Repair of AAAs. – Michael A. McKusick, MD
4:30 pm – 5:30 pm
SESSION III – THE GREAT DEBATE: CAROTID ARTERY
Imaging
Percutaneous Revascularization Using Ultrasound Grafts? – C. Michael Johnson, MD
Occlusive Disease (Early Experience with Viabahn Contrast Arteriography? – C. Michael Johnson, MD
Occlusive Disease: When Should We Use MRI, CT and Duplex Scan, for the Evaluation of Acute and Chronic Venous Disease? – John A. Heit, MD
Monday, September 27th, 2004
8:00-9:30 am
SESSION IV-PERIPHERAL ARTERIAL DISEASE (PAD) (II)
Interventional Compression Pomp for Non-Healing Wounds in Patients with Limb Ischemia. – Steven J. Kavros, DPM
Coronary Artery Disease and Peripheral Artery Disease: Does One Predict the Other? – Verghese Mathew, MD
Thrombosis for Treatment of Acute Aortic Occlusions. – Enrique Sabater, MD
Are Stent-Grafts Good Alternatives for Infragenual Occlusive Disease (Early Experience with Viabahn Grafts? – Manju Kalra, MD
Percutaneous Revascularization Using Ultrasound Imaging. – Enrico Ascher, MD
Combined Open and Endovascular Procedures for Treatment of Multi Level Occlusive Disease. – Matthew J. Dougherty, MD
10:00-11:30 am
SESSION V – VENOUS DISEASE
Noninvasive Evaluation for Chronic Venous Disease with Plethysmography: What is the Best Technique and What Are the Benefits? – Thom W. Roote, MD
Duplex Scan, for the Evaluation of Acute and Chronic Venous Disease. – Enrique Sabater, MD
Venous Ulcers: Progress in Local Care. – Cindy Feltz, RN, MSN, C-ANP
Endovenous Laser Therapy and Radiofrequency Treatment for Varicose Veins. – Marjuk Kalra, MD
Thrombolysis and Stents for Acute and Chronic Iliocaval Occlusions. – Haraldur Bjarnason, MD
Temporary and Permanent IVC Filters: Which One to Use and How Effective Are They? – C. Michael Johnson, MD
11:30 am-12:00 pm
SESSION VI-THE ALLEN- BARKER- HINES MEMORIAL LECTURE
Presentation by Anthony W. Stanoson, MD
1:00-2:30 pm
SESSION VII - RENAL AND MESENTERIC ARTERY DISEASE: MEDICAL, ENDOVASCULAR OR SURGICAL TREATMENT? Evaluation and Medical Treatment for Renovascular Hypertension in 2004. – Steven C. Textor, MD
Renal Artery Stents: Indications and Results. – Michael A. McKusick, MD
Open Surgical Treatment of Renal Artery Disease. – Thomas C. Bower, MD
Endovascular Treatment of Mesenteric Ischemia. – Sanjay Mehta, MD
Update on Local Treatment of Ischemic Ulcers. – Karen L. Andrews, MD
Surgical Treatment of Chronic Mesenteric Ischemia. – W. Andrew Oldenburg, MD
3:00-4:30 pm
SESSION VIII – VASCULAR MEDICINE
Inherited Thrombophilia: The Example of Factor V Leiden. – John A. Heit, MD
Outpatient Treatment of DVT with Low Molecular Weight Heparin. – Robert D. McBane, MD
Raynaud Syndrome: Current Management. – Roger F. Shepherd, MD
Renal Artery Disease and Coronary Artery Disease. – Charanjit S. Rihal, MD
The Evaluation and Initial Medical Management of Large Vessel Arteriitis. – Leslie T. Cooper, MD
Hydroxybic Oxygen Treatment: When To Use It for Ulcers and What Is the Proven Benefit? – Raymond C. Shields, MD
4:30-6:00 pm
SESSION IX POSTER SESSION
Tuesday, September 28th, 2004
7:30-8:30 am
SESSION X - TUESDAY MORNING GRAND ROUNDS OF THE GONDA VASCULAR CENTER
Case 1. Geza Mosz, MD
Case 2. Maria Altuwairy, MD
Case 3. Radiology Fellow
Case 4. Alessandra Puggioni, MD
Case 5. Radiology Fellow
Case 6. Gustavo Oderich, MD
9:00-10:30 am
SESSION XI- AORTIC RECONSTRUCTIONS
Current Treatment of Infected Aneurysms and Aortic Graft Infections. – Keith D. Calligaro, MD
Endovascular Treatment of Thoracic Aneurysms. – Timothy M. Sullivan, MD
Surgical Treatment of Type B Aortic Dissections and Penetrating Ulcers. – Thoralf M. Sund, MD
Surgical Treatment of Thoracoabdominal Aortic Aneurysms. – Audra A. Noel, MD
Endovascular Treatment of Ruptured Aortic Aneurysms: The Mayo Experience. – Konstantinos Dosis, MD
Endovascular Treatment of The Thoracoabdominal Aorta with Branch Reconstructions: Where Are We Now? – Mark Eskandari, MD
11:00 am-12:30 pm
SESSION XII – CAROTID VERTEBRAL AND SUBCLAVIAN ARTERY RECONSTRUCTIONS
Surgical Repair of The Great Vessels for Atherosclerosis and Takayasu’s Arteritis. – Kenneth J. Cherry, MD
Stenting of The Supra-Aortic Trunks. – Timothy M. Sullivan, MD
Results of Carotid Endarterectomy in Low Risk and High-Risk Patients. – Geza Mosz, MD
Carotid Angioplasty with Stenting in Patients at High Risk for Surgery: Results from Mayo Clinic, Rochester. – Robert D. Brown, MD
Embolic Protection for Carotid Stents and The Role of Intra-Cranial Rescue. – Harry J. Cleft, MD, PhD
Keynote Lecture: The Surgical Treatment of Vertebro- Basilar Ischemia – Ramon Berguer, MD, PhD
12:30 pm
Meeting Adjourns
Abstracts
Overview: As part of the 3rd Mayo Vascular Symposium, a poster session for presentation of original research dedicated to the field of vascular medicine, vascular surgery and endovascular interventions will be held. Any projects that pertain to the training and practice of vascular surgery are welcome. They may include guidelines, randomized trials, outcome studies, practice innovations, or descriptive analyses. Posters will be chosen from all abstracts received by the August 2nd, 2004 submission deadline. Outstanding abstracts will be selected for poster presentations at the 3rd Mayo Vascular Symposium.

Abstract Eligibility: Original abstracts that either have or have not been presented at other meetings will be considered. Abstracts are eligible if they have been published; abstracts based upon full papers that have been published are also eligible.

Number of Entries: A participant may be the primary author on no more than two abstracts; however, he or she may be a contributing author on any number of abstracts.

Notification of Results: All primary authors will be notified by August 16th, 2004 if their submission has been selected for the poster session, and details regarding poster set-up will follow.

Printing of Abstracts: Abstracts chosen for presentation may be printed in the course syllabus.

Inquiries: For further information, contact Eveline Azran, Xpertize Meeting Management at (514) 696-6699, email: eveline@xpertize.com.

CREDIT – Mayo Foundation is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. Mayo Foundation designates this educational activity for a maximum of {TBD} category 1 credits toward the AMA Physician’s Recognition Award. Each physician should claim only those credits that he/she actually spent in the activity.

For 2003 and 2004 courses only – The American Medical Association has determined that non-US licensed physicians who participate in this CME activity are eligible for AMA PRA category 1 credit. Other health care professionals will be provided a certificate of attendance for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

TRAVEL AND TRANSPORTATION – Travel arrangements are the sole responsibility of the individual registrant.

You may contact the designated travel agency, Lara Travel, contact person Pina Chiarenza, at 1-800-261-3254 or 514-341-1503, email: pinalaratravel@hotmail.com for further travel assistance.

HOTEL ACCOMMODATIONS – A block of guestrooms has been reserved with special course rates at the following downtown Rochester hotel. To ensure accommodations and the discounted rate, please make your reservations by September 5th, 2004, and identify yourself as a participant of the 3rd Mayo Vascular Symposium.

Rochester Marriott Hotel
101 First Avenue SW
877-623-7775 or 507-280-6000
$119.00 single/double

Lodging arrangements are the sole responsibility of the individual registrant.
# 3rd Mayo Vascular Symposium

**September 26th – 28th, 2004**

Mayo Civic Center • Rochester, MN

---

**Mail or FAX this completed registration form to:**

Xpertize Meeting Management
332 Roger Pilon
DDO, QC, Canada, H9G 2W2
Attn: Edie Svetliza

Telephone: 514-696-6699
FAX: 514-696-6689
E-mail: xpertize@xpertize.com
Website: www.xpertize.com

---

**Registration Fee:**

<table>
<thead>
<tr>
<th></th>
<th>Before 9/1/04</th>
<th>After 9/1/04 or on site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physicians</td>
<td>$250</td>
<td>$350</td>
</tr>
<tr>
<td>Residents, Physician Assistants and Nurse Practitioners</td>
<td>$150</td>
<td>$250</td>
</tr>
<tr>
<td>Industry Personnel</td>
<td>$250</td>
<td>$350</td>
</tr>
</tbody>
</table>

**Total Payment Enclosed:** $________________

---

**Cancellation Policy**

Your registration fee, less a $50 administrative fee, will be refunded when written notification is received by Xpertize Meeting Management before September 10th, 2004 (fax: 514-696-6689). No refunds will be made after September 10th, 2004.

---

**Registration Form**

(Please print or type all information. You may duplicate this form for multiple registrations.)

<table>
<thead>
<tr>
<th>Name (First Name)</th>
<th>Middle Name or Initial</th>
<th>Last Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Degree</th>
<th>MD</th>
<th>PhD</th>
<th>DO</th>
<th>PA</th>
<th>NP</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Medical Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E-mail Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Which is your preferred mailing address:**

- [ ] Work/Business
- [ ] Home

<table>
<thead>
<tr>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City</th>
<th>State/PV</th>
<th>ZIP/Postal Code</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Home Telephone (______)</th>
<th>Business Telephone (______)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Int’l Telephone (Country code)</th>
<th>(City code)</th>
<th>(Phone)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FAX</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**[ ] Please check if you have any special assistance needs or dietary restrictions.**

**Please indicate your needs here:**

__________________________________________________________________________________

<table>
<thead>
<tr>
<th>An official receipt will be mailed to you at the address listed above. Please allow 4 weeks for delivery.</th>
</tr>
</thead>
</table>

---

Card Number: Visa | MasterCard | Discover

<table>
<thead>
<tr>
<th>Cardholder’s Name (pls. print)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Advances and Controversies in the Medical, Endovascular and Surgical Treatment of Vascular Disease

The 3rd Mayo Vascular Symposium

September 26 – 28, 2004

Mayo Civic Center
Rochester, MN

© 2004, Mayo Press • Printed in U.S.A.