



HARVARD MEDICAL SCHOOL

DEPARTMENT OF CONTINUING EDUCATION

THROMBOSIS AND THROMBOEMBOLISM

OCTOBER 22-23, 2009

Presented by

CARDIOVASCULAR DIVISION, BRIGHAM AND WOMEN'S HOSPITAL

at the

Fairmont Copley Plaza Hotel - Boston, Massachusetts

Course Directors

Samuel Z. Goldhaber, MD and Paul M Ridker, MD, MPH

www.cme.med.harvard.edu/courses/thrombosis



Elliott M. Antman, MD
Kenneth Bauer, MD
Joshua A. Beckman, MD
Marie Gerhard-Herman, MD
Samuel Z. Goldhaber, MD

HARVARD FACULTY

Michael J. Landzberg, MD
Peter Libby, MD
Laura Mauri, MD, MSc
Marc A. Pfeffer, MD, PhD
Frederic S. Resnic, MD, MSc

Paul M Ridker, MD, MPH
Arthur Sasahara, MD
Piotr Sobieszczyk, MD
Stephen D. Wiviott, MD

GUEST FACULTY

Henri Bounameaux, MD, *Chief, Division of Angiology and Hemostasis; Chairman, Department of Internal Medicine, Hôpital Cantonal, University Hospitals of Geneva*

C. Gregory Elliott, MD, *Chairman, Department of Medicine; Professor with Tenure, Intermountain Medical Center; Associate Chairman, Department of Internal Medicine, University of Utah School of Medicine*

Clive Kearon, MD, *Head, Clinical Thrombosis Service, Henderson General Hospital; Professor of Medicine, McMaster University*

Craig M. Kessler, MD, MACP, *Director, Clinical Coagulation Laboratory, Division of Laboratory Medicine, Georgetown University Hospital; Professor of Medicine and Pathology Director, Division of Coagulation, Lombardi Comprehensive Cancer Center, Georgetown University Medical Center*

Cathy G. Rosenfield, MD, *Director, Pediatric Hematology/Oncology Clinic - Hemophilia; Interim Chief for Pediatric Hematology/Oncology, The Floating Hospital for Children at Tufts Medical Center; Assistant Professor in Pediatrics, Tufts University School of Medicine*

Sam Schulman, MD, *Director, Clinical Thromboembolism Program, Hamilton Health Sciences, Hamilton General Hospital; Professor of Medicine, McMaster University*

Suresh Vedantham, MD, *Professor, Radiology, Division of Diagnostic Radiology, Interventional Radiology Section, Mallinckrodt Institute of Radiology; Associate Professor, Surgery, Washington University School of Medicine at St. Louis*

Theodore E. Warkentin, MD, FACP, FRCPC, *Regional Director, Transfusion Medicine, Professor, Department of Medicine, Professor, Department of Pathology and Molecular Medicine, McMaster University*

Jeffrey Weitz, MD, *Director, Experimental Thrombosis and Atherosclerosis Programme, Henderson Research Center; Professor of Medicine, McMaster University*

THROMBOSIS AND THROMBOEMBOLISM: NEW STRATEGIES FOR IMPROVED PATIENT CARE

October 22-23, 2009

The objective of this two-day course is for internationally recognized faculty to provide a concise, state-of-the-art overview of critical developments in the diagnosis, treatment, and prevention of venous and arterial thromboembolic disorders. The course, offered only once every 3 years, is intended for all general internists and cardiovascular, peripheral vascular, critical care, pulmonary, surgical, and hematologic specialists who are called upon to care for patients with thromboses in the venous and arterial systems. The course will be interactive with one-fourth of the time set aside for active discussion with faculty.

Specific clinical topics to be covered include: 1) New guidelines to manage acute myocardial infarction, pulmonary embolism, and DVT, 2) antithrombotic therapy with low molecular weight heparin, fondaparinux, and antiplatelet therapy for acute coronary syndromes, 3) drug-eluting coronary stents and percutaneous coronary interventions, 4) novel drug therapies such as oral anti factor Xa agents, and oral direct thrombin inhibitors, 5) idiopathic and chronic thromboembolic pulmonary hypertension, 6) heparin-induced thrombocytopenia, 7) diagnosis, treatment, and prevention of venous thromboembolism.

A comprehensive syllabus which includes lecture outlines and up-to-date bibliographies will be available to all course participants to help organize a personal review of the field of thrombosis and thromboembolism.

PROGRAM

THROMBOSIS AND THROMBOEMBOLISM

THURSDAY, OCTOBER 22

6:45 - 7:45 am	Registration and Breakfast
7:45 - 8:00 am	Seating
8:00 - 8:15 am	Welcome and Course Objectives
	<i>Samuel Z. Goldhaber, MD, Paul M Ridker, MD, MPH and Arthur A. Sasahara, MD</i>

Venous Thromboembolism: Perspectives

8:15 - 8:40 am	History of Venous Thromboembolism <i>Arthur A. Sasahara, MD</i>
8:40 - 8:50 am	Discussion, Q & A
8:50 - 9:15 am	Epidemiology of VTE <i>Sam Schulman, MD</i>
9:15 - 9:25 am	Discussion, Q & A
9:25 - 9:50 am	Genetics of VTE <i>Paul M Ridker, MD, MPH</i>
9:50 - 10:00 am	Discussion, Q & A
10:00 - 10:25 am	Diagnosis of DVT <i>Marie Gerhard-Herman, MD</i>
10:25 - 10:35 am	Discussion, Q & A
10:35 - 11:00 am	Coffee Break

Diagnostic, Etiologic, and Therapeutic Considerations

11:00 - 11:25 am	Diagnosis of Pulmonary Embolism <i>Henri Bounameaux, MD</i>
11:25 - 11:35 am	Discussion, Q & A
11:35 - 12:00 pm	Hypercoagulability..... <i>Kenneth Bauer, MD</i>
12:00 - 12:10 pm	Discussion, Q & A
12:10 - 12:35 pm	VTE Treatment: Conventional Pharmacotherapy <i>C. Gregory Elliott, MD</i>
12:35 - 12:45 pm	Discussion, Q & A
12:45 - 2:00 pm	Lunch

Clinical Approach to Disease Management

2:00 - 2:25 pm	Heparin-Induced Thrombocytopenia and Direct Thrombin Inhibitors <i>Theodore E. Warkentin, MD</i>
2:25 - 2:35 pm	Discussion, Q & A
2:35 - 3:00 pm	VTE: Pregnancy, Birth Control, and Hormone Replacement Therapy <i>Samuel Z. Goldhaber, MD</i>
3:00 - 3:10 pm	Discussion, Q & A
3:10 - 3:35 pm	VTE in Children and Adolescents <i>Cathy G. Rosenfield, MD</i>
3:35 - 3:45 pm	Discussion, Q & A
3:45 - 4:10 pm	Cancer and Thrombosis <i>Craig M. Kessler, MD</i>
4:10 - 4:20 pm	Discussion, Q & A
4:20 - 4:40 pm	Break for Snacks
4:40 - 5:05 pm	DVT Thrombolysis <i>Suresh Vendantham, MD</i>
5:05 - 5:15 pm	Discussion, Q & A
5:15 - 5:40 pm	Massive Pulmonary Embolism: Thrombolysis and Surgery <i>Samuel Z. Goldhaber, MD</i>
5:40 - 5:50 pm	Discussion, Q & A

Embolectomy and Pulmonary Hypertension

5:50 - 6:15 pm	Catheter Pulmonary Embolectomy <i>Frederic Resnic, MD, MSc</i>
6:15 - 6:25 pm	Discussion, Q & A
6:25 - 6:50 pm	Chronic Thromboembolic Pulmonary Hypertension <i>Michael J. Landzberg, MD</i>
6:50 - 7:00 pm	Discussion, Q & A
7:00 pm	Adjourn

FRIDAY, OCTOBER 23

Arterial Thrombosis: Fundamental Concepts

8:00 - 8:25 am	Atherothrombosis <i>Peter Libby, MD</i>
8:25 - 8:35 am	Discussion, Q & A
8:35 - 9:00 am	Inflammation and the JUPITER Trial <i>Paul M Ridker, MD, MPH</i>
9:00 - 9:10 am	Discussion, Q & A
9:10 - 9:35 am	Acute Coronary Syndromes <i>Elliott M. Antman, MD</i>
9:35 - 9:45 am	Discussion, Q & A
9:45 - 10:10 am	ACE Inhibitors and Angiotensin Receptor Blockade <i>Marc Pfeffer, MD, PhD</i>
10:10 - 10:20 am	Discussion, Q & A
10:20 - 10:45 am	Coffee Break
10:45 - 11:10 am	Antiplatelet Therapy <i>Stephen D. Wiviott, MD</i>
11:10 - 11:20 am	Discussion, Q & A
11:20 - 11:45 am	Peripheral Vascular Disease <i>Marie Gerhard-Herman, MD</i>
11:45 - 11:55 am	Discussion, Q & A
11:55 - 12:20 pm	Coronary Artery Stents: Drug-Eluting versus Bare Metal <i>Laura Mauri, MD, MSc</i>
12:20 - 12:30 pm	Discussion, Q & A
12:30 - 12:55 pm	Idiopathic Pulmonary Hypertension <i>Michael J. Landzberg, MD</i>
12:55 - 1:05 pm	Discussion, Q & A
1:05 - 2:15 pm	Lunch

VTE Prevention

2:15 - 2:40 pm	VTE Prophylaxis <i>Samuel Z. Goldhaber, MD</i>
2:40 - 2:50 pm	Discussion, Q & A

Miniupdates in Thrombosis and Thromboembolism

2:50 - 3:15 pm	Vascular Medicine Quiz <i>Joshua A. Beckman, MD</i>
3:15 - 3:40 pm	Novel Anticoagulants <i>Jeffrey Weitz, MD</i>
3:40 - 3:50 pm	Discussion, Q & A
3:50 - 4:15 pm	Optimal Duration of Anticoagulation for VTE <i>Clive Kearon, MD</i>
4:15 - 4:25 pm	Discussion, Q & A
4:25 - 4:50 pm	IVC Filters <i>Piotr Sobieszczyk, MD</i>
4:50 - 5:00 pm	Discussion, Q & A
5:00 pm	Adjourn

Attendance is limited --- register early!

- ACCREDITATION:** Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.
Harvard Medical School designates this educational activity for a maximum of 16 AMA PRA Category 1 Credit(s)[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.
- REGISTRATION INFORMATION:** **Tuition Fee - \$525 (USD). Reduced Fee for Past Attendees, Residents, and Fellows in Training** (with a letter of verification from Department Chair) - **\$425 (USD)**. Please call (617) 384-8600 for information on group discounts. All foreign payments must be made by draft on a United States Bank or by Visa or MasterCard. If paying by check, please make payable to *Harvard Medical School* and mail with completed registration form to: **Harvard Medical School-Department of Continuing Education, P.O. Box 825, Boston, MA 02117-0825**. If paying by credit card, please register online at www.cme.hms.harvard.edu/courses/thrombosis. **Telephone or mail-in registration with credit card is not accepted.** Inquiries should be directed to the above address, made by phone: (617) 384-8600, Monday - Friday, 10 AM to 4 PM (EST), or by e-mail: hms-cme@hms.harvard.edu. Upon receipt of registration a confirmation will be mailed to the address listed on the form.
Please Note: Program changes/substitutions may be made without notice.
- ONLINE INFORMATION:** To register or view course information online, visit our home page: www.cme.hms.harvard.edu/courses/thrombosis. **To ensure proper registration, please add the first three letters of the source code found at the bottom of the registration form.**
- REFUND POLICY:** A handling fee of \$60 is deducted for cancellation. Refund request must be received by mail one week prior to the course. No refund will be made thereafter.
- COURSE LOCATION:** All sessions will be held at the **Fairmont Copley Plaza**, 138 St. James Ave., Boston, MA 02116 (Telephone: 617-267-5300 or 800-795-3906).
- ACCOMMODATIONS:** **Hotel rooms in Boston are limited. You are urged to make your reservations early.** A limited number of rooms have been reserved at the **Fairmont Copley Plaza** (617-267-5300 or 800-795-3906) until **September 30, 2009**. Please specify that you are enrolled in this course to receive a reduced room rate of \$293 Single/Double, \$313 Deluxe. A map of Boston listing local hotels will be sent with your confirmation of enrollment. For additional housing assistance, call Boston Reservations at (617) 332-4199.
- TRAVEL:** For information about reduced airfare, call the Harvard Medical School, Department of Continuing Education at (617) 384-8600, Monday - Friday, 10 AM to 4 PM (EST).

THROMBOSIS AND THROMBOEMBOLISM Class #291495

October 22-23, 2009

Tuition Fee: \$525 (USD)

Past Attendees, Residents*, and Fellows in Training*: \$425 (USD)

All Fields Required. Please Print Clearly.

Full Name _____ Degree _____
First Middle Initial Last

Mailing Address _____
Street City State Zip Code

Daytime Phone (____) _____ Fax Number (____) _____

E-Mail Address _____

Please check if you want to be **excluded** from receiving email notices of future Harvard Medical School-Department of Continuing Education programs.

Professional School Attended _____ Year of Graduation _____

Profession _____

Primary Specialty (Physicians Only) _____ Board Certified: Yes No

Organizational Affiliation _____

* A letter of verification from Department Chair must accompany registration form for a reduced fee for Residents or Fellows in Training.

Payment Information

If Paying by Check, please make payable to *Harvard Medical School* and mail it with this registration form to:

Harvard Medical School-Department of Continuing Education, P.O. Box 825, Boston, MA 02117-0825

If Paying by Credit Card, telephone or mail-in registrations are not accepted. Please register online at

www.cme.hms.harvard.edu/courses/thrombosis