



HARVARD
MEDICAL SCHOOL



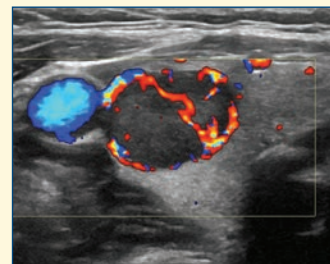
BRIGHAM AND
WOMEN'S HOSPITAL

ULTRASOUND 2017

October 19-21

Thursday-Saturday

Hyatt Regency Boston
Boston, Massachusetts



PROGRAM DIRECTORS

Carol B. Benson, MD
Peter M. Doubilet, MD, PhD

COURSE DESCRIPTION

Advances in ultrasound technology and diagnostic utility, including 3D sonography, contrast enhanced ultrasound, elastography and Doppler, make it difficult for those who practice ultrasound to stay current and up-to-date on new techniques and diagnostic capabilities. The recent incorporation of elastography on ultrasound systems makes it possible to assess tissue stiffness to help differentiate benign from malignant masses and to determine the degree of liver fibrosis in patients with cirrhosis. In addition, new methods of prenatal diagnosis have changed the role of ultrasound in fetal assessment. The fortieth Brigham and Women's Hospital course on Ultrasound includes one day of General and Vascular Ultrasound followed by two days devoted to Obstetrical and Gynecological Ultrasound. Our audience will consist of radiologists, obstetrician/gynecologists, sonographers and other practitioners whose scope of practice includes ultrasound. The educational format will be didactic lectures supplemented by question and answer periods.

Exhibitors of ultrasound equipment and books will be present at the course.

OBJECTIVES

- Learn how to use the full capabilities of ultrasound equipment
- Recognize individual sonographic disease patterns and how they can be used to make more accurate diagnoses in your practice
- Describe how to use ultrasound in conjunction with other imaging modalities, when appropriate, to solve clinical problems
- Incorporate new sonographic techniques, such as elastography and contrast enhanced ultrasound for more accurate diagnoses
- Illustrate when and how to use ultrasound for guiding invasive procedures for biopsy and treatment
- Incorporate sonographic techniques for prenatal diagnosis

KEY TOPICS

- Thyroid, Parathyroid and other Neck Lesions
- Contrast Ultrasound of Liver, Kidneys, and Scrotum
- Abdominal Doppler
- Carotid Waveforms
- Scrotal Ultrasound
- Fetal GI and GU Tracts
- Fetal Infection
- Fetal Echocardiography
- 3D Ultrasound in Obstetrics
- Multiple Gestations
- Ovarian Masses
- Ectopic pregnancy

WHO SHOULD ATTEND

The course is directed to radiologists, obstetrician/gynecologists, sonographers and other practitioners whose scope of practice includes ultrasound.

GUEST FACULTY

Mark A. Kliever, MD, MHSc: Professor (Tenure) of Radiology, Chief, Division of Ultrasound, University of Wisconsin School of Medicine and Public Health, Madison, WI

Professor Paul S. Sidhu, BSc, MRCP, FRCR: Professor of Imaging Sciences, King's College London, Director of Radiology and Medical Physics, Department of Radiology, King's College Hospital, London

Roya Sohaey MD: Professor of Diagnostic Radiology, Affiliate Professor, Obstetrics & Gynecology, Director of Fetal Imaging, Oregon Health & Science University, Portland, OR

Paula J. Woodward, MD: Professor of Radiology and Imaging Sciences, University of Utah Medical Center; David G. Bragg, MD and Marcia R. Bragg Presidential Endowed Chair in Oncologic Imaging, University of Utah Health Care, Salt Lake City, UT

HARVARD MEDICAL SCHOOL FACULTY

Elizabeth Asch, MD: Instructor in Radiology; Brigham and Women's Hospital

Beryl R. Benacerraf, MD: Clinical Professor of Obstetrics and Gynecology, Clinical Professor of Radiology; Brigham and Women's Hospital

Carol B. Benson, MD: Professor of Radiology; Director, Division of Ultrasound, Co-Director, High Risk Obstetrical Ultrasound, Medical Director, Continuing Medical Education, Department of Radiology, Brigham and Women's Hospital

Peter M. Doubilet, MD, PhD: Professor of Radiology; Senior Vice Chair of Radiology, Brigham and Women's Hospital

Sara M. Durfee, MD: Assistant Professor of Radiology; Director, Harvard Medical School Radiology Clerkship, Brigham and Women's Hospital

Mary C. Frates, MD: Associate Professor of Radiology; Assistant Director, Division of Ultrasound, Brigham and Women's Hospital

Robin P. Goldenson, MD, MPH: Assistant Professor of Radiology; Brigham and Women's Hospital

Howard T. Heller, MD: Instructor in Radiology; Brigham and Women's Hospital

Mary A. Warner, MD: Instructor in Radiology; Brigham and Women's Hospital

Harvard Medical School
PO Box 825
Boston, MA 02117-0825
www.cme.hms.harvard.edu



REGISTER NOW!



ULTRASOUND
October 19-21, 2017
Boston, Massachusetts

THURSDAY, OCTOBER 19

7:00	Registration / Continental Breakfast	
Moderator: Dr. Doubilet		
7:55	Welcome and Introduction	<i>Peter M. Doubilet, MD, PhD</i>
8:00	Parathyroid and Other Neck Masses	<i>Mary C. Frates, MD</i>
8:30	Thyroid Ultrasound	<i>Sara M. Durfee, MD</i>
9:00	Carotid Waveforms	<i>Mark A. Kliewer, MD</i>
9:40	Coffee and Visit Exhibits	
10:10	Scrotal Ultrasound and Contrast	<i>Paul S. Sidhu, BSc, MRCP, FRCR</i>
10:40	Gallbladder and Biliary Tree	<i>Robin P. Goldenson, MD</i>
11:10	Liver Elastography	<i>Paul S. Sidhu, BSc, MRCP, FRCR</i>
11:40	Question and Answer Session	<i>Morning Faculty</i>
12:00	Lunch Recess	
Moderator: Dr. Frates		
1:20	Lumps and Bumps	<i>Howard T. Heller, MD</i>
1:50	Contrast Enhanced Ultrasound of Focal Liver Lesions	<i>Paul S. Sidhu, BSc, MRCP, FRCR</i>
2:20	Ultrasound Artifacts	<i>Mark A. Kliewer, MD</i>
2:50	Coffee and Visit Exhibits	
3:20	Contrast Enhanced Ultrasound in Renal Disease	<i>Paul S. Sidhu, BSc, MRCP, FRCR</i>
3:50	TIPS Evaluation	<i>Mark A. Kliewer, MD</i>
4:20	Abdominal Doppler	<i>Mary C. Frates, MD</i>
4:50	Question and Answer Session	<i>Afternoon Faculty</i>
5:10	Adjourn	

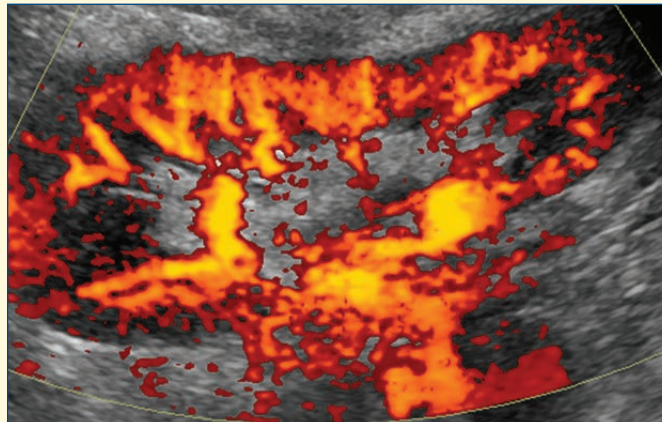
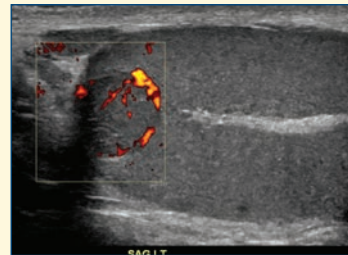
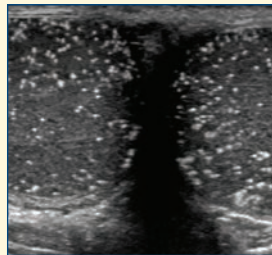
FRIDAY, OCTOBER 20

7:00	Registration / Continental Breakfast	
Moderator: Dr. Doubilet		
7:55	Welcome	<i>Peter M. Doubilet, MD, PhD</i>
8:00	Pelvic Pain including Endometriosis	<i>Beryl R. Benacerraf, MD</i>
8:40	Abnormal Uterine Bleeding	<i>Peter M. Doubilet, MD, PhD</i>
9:10	Evaluation of Ovarian Masses	<i>Beryl R. Benacerraf, MD</i>
9:50	Coffee and Visit Exhibits	
10:20	Ectopic Pregnancy	<i>Peter M. Doubilet, MD, PhD</i>
11:00	Early Intrauterine Pregnancy	<i>Carol B. Benson, MD</i>
11:40	Question and Answer Session	<i>Morning Faculty</i>
12:00	Lunch Recess	
Moderator: Dr. Benson		
1:20	Challenging Gynecologic Ultrasound Cases	<i>Beryl R. Benacerraf, MD</i>
2:00	First Trimester Anatomy: So Much More than NT	<i>Roya Sohaey, MD</i>
2:40	Placentas Gone Bad: Normal and Abnormal Development	<i>Paula J. Woodward, MD</i>
3:20	Coffee and Visit Exhibits	
3:50	Uterine and Cervical Abnormalities in Pregnancy	<i>Roya Sohaey, MD</i>
4:30	Postpartum Uterus	<i>Mary A. Warner, MD</i>
4:50	Question and Answer Session	<i>Afternoon Faculty</i>
5:10	Adjourn	

SATURDAY, OCTOBER 21

7:00	Registration / Continental Breakfast	
Moderator: Dr. Benson		
7:55	Morning Announcements	<i>Carol B. Benson, MD</i>
8:00	3D in Obstetrical Ultrasound	<i>Carol B. Benson, MD</i>
8:40	Terrible Twos: Complications of Twinning	<i>Paula J. Woodward, MD</i>
9:20	Fetal Infection Surveillance and Diagnostic Strategies	<i>Roya Sohaey, MD</i>
10:00	Coffee and Visit Exhibits	
10:30	Measurements in Obstetrical Ultrasound	<i>Peter M. Doubilet, MD, PhD</i>
11:10	The Umbilical Cord and Fetal Doppler	<i>Carol B. Benson, MD</i>
11:40	Question and Answer Session	<i>Morning Faculty</i>
12:00	Lunch Recess	
Moderator: Dr. Doubilet		
1:20	Fetal Tumors and Chest Masses	<i>Paula J. Woodward, MD</i>
2:00	Normal and Abnormal Fetal Heart: A Practical Approach	<i>Mary C. Frates, MD</i>
2:40	Fetal GI and GU Tracts	<i>Roya Sohaey, MD</i>
3:20	Coffee and Visit Exhibits	
3:50	Hydrocephalus: A Finding not a Diagnosis	<i>Paula J. Woodward, MD</i>
4:30	Fetal Spine	<i>Elizabeth Asch, MD</i>
4:50	Question and Answer Session	<i>Afternoon Faculty</i>
5:10	Adjourn	

Program changes/substitutions may be made without notice.



ACCREDITATION

The Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Harvard Medical School designates this live activity for a maximum of 20.25 *AMA PRA Category 1 Credits™*. Physicians should claim only credit commensurate with the extent of their participation in the activity.

- Thursday - A maximum of 6.75 *AMA PRA Category 1 Credits™*
- Friday - A maximum of 6.75 *AMA PRA Category 1 Credits™*
- Saturday - A maximum of 6.75 *AMA PRA Category 1 Credits™*

This activity meets the criteria of the Massachusetts Board of Registration in Medicine for .75 credits of Risk Management Study. This includes .75 Credits of Opioid Education and Pain Management Training. Please check with your individual state licensing board requirements before claiming these credits.

The Royal College of Physicians and Surgeons of Canada recognizes conferences and workshops held outside of Canada that are developed by a university, academy, hospital, specialty society or college as accredited group learning activities.

Through an agreement between the American Medical Association and the European Union of Medical Specialists, physicians may convert *AMA PRA Category 1 Credits™* to an equivalent number of European CME Credits® (ECMECs®). Information on the process of converting *AMA PRA Category 1 Credits™* to ECMECs® can be found at: www.eaccme.eu.

REGISTRATION INFORMATION

Tuition Fee*:

3-Day Physician Fee \$950.00	3-Day Residents/Fellows/RTs/RDMSs Fee \$750.00
2-Day Physician Fee \$800.00	2-Day Residents/Fellows/RTs/RDMSs Fee \$625.00
1-Day Physician Fee \$600.00	1-Day Residents/Fellows/RTs/RDMSs Fee \$500.00

3-Day Student Fee \$300.00
2-Day Student Fee \$250.00
1-Day Student Fee \$200.00

Your email address is used for critical information including registration confirmation, evaluation and certificate.

Each Participant will receive a link for an electronic syllabus only.

Registration by credit card (VISA, MasterCard or American Express) or check can be made through Harvard Medical School's secure online registration system at: <https://cmeregistration.hms.harvard.edu/ultrasound2017>

Registration by check (draft on a US bank), please make payable to Harvard Medical School. Learners who choose to pay by check will be prompted to download an online form to send in with a payment. Telephone or fax registration is not accepted. Registration with cash payment is not permitted.

*There is an additional \$5 processing charge (non-refundable service fee)

Upon receipt of your payment, you will receive an email confirmation. Be sure to include an email address that you check frequently.

INQUIRIES

By phone 617-384-8600, Monday-Friday, 9 AM to 5 PM (EST) or by email at: ceprograms@hms.harvard.edu

ONLINE INFORMATION

To register or view activity information online, visit: <https://cmeregistration.hms.harvard.edu/ultrasound2017>
CME activities sponsored by Harvard Medical School are offered solely for educational purposes and do not constitute any form of professional advice or certification of competency. Practitioners should always consult additional sources of information and exercise their best professional judgment before making clinical decisions of any kind.

REFUND POLICY

Refunds, less an administrative fee of \$75, will be issued for all cancellations received two weeks prior to the start of the course. Refund requests must be received by postal mail, email, or fax. No refund will be issued should cancellation occur less than two weeks prior. "No shows" are subject to the full course fee and no refunds will be issued once the conference has started.

DISCLOSURE POLICY

Harvard Medical School (HMS) adheres to all ACCME Accreditation Criteria and Policies. It is HMS's policy that those who have influenced the content of a CME activity (e.g. planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that HMS may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.

COURSE LOCATION/ACCOMMODATIONS

All sessions will be held at the Hyatt Regency Boston Hotel, One Avenue de Lafayette, Boston, MA, (Telephone: 617-912-1234). A limited number of rooms have been reserved at Hyatt Regency Boston Hotel, One Avenue de Lafayette, Boston, MA (Telephone: 617-912-1234) until September 26, 2017. Please specify that you are enrolled in this activity to receive a reduced room rate of \$299 per night Single/Double. Hotel arrangements can also be made online at <https://aws.passkey.com/go/BRGH>



Please Register at:

<https://cmeregistration.hms.harvard.edu/ultrasound2017>