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ULTRASOUND
October 24-26, 2019
Boston, Massachusetts

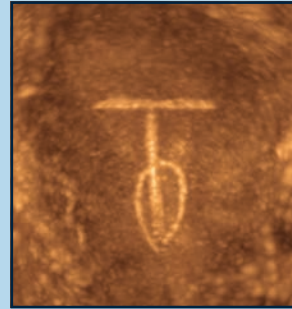
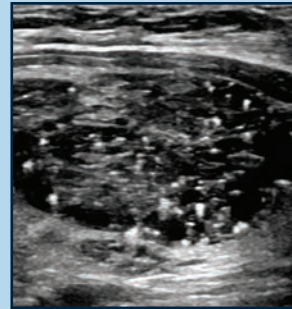
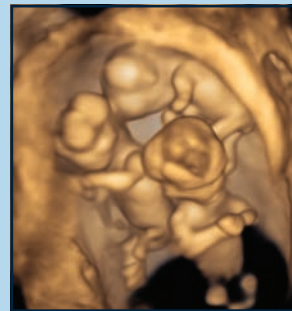


ULTRASOUND 2019

October 24-26

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 forty-first Brigham and Women's Hospital Ultrasound course 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 and case presentations, supplemented by question and answer periods.

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

OBJECTIVES

- Summarize 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
- Recommend sonographic techniques for prenatal diagnosis

KEY TOPICS

- Challenges in Thyroid Ultrasound
- Contrast Ultrasound of Liver and Kidneys
- Aortic Doppler
- Liver Doppler
- Carotid Ultrasound
- Scrotal Ultrasound
- The Infertile Patient
- Medicolegal Liability in OB/Gyn Ultrasound
- Fetal Brain and Spine
- Fetal GI and GU Tracts
- The Postmenopausal Patient
- 3D Ultrasound in Obstetrics and Gynecology
- Adnexal Masses
- First Trimester Pregnancy Failure and 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

Richard G. Barr, MD, PhD, FACR, FSRU: Professor of Radiology, Northeastern Ohio Medical University, Southwoods Imaging, Youngstown, OH

Dolores H. Pretourius, MD: Professor of Radiology, University of California, San Diego, Director of Fetal Imaging, Maternal-Fetal Care and Genetics, UC San Diego Health, San Diego, CA

Leslie M. Scoutt MD, FACR: Professor of Radiology, Vascular Surgery & Cardiology, Vice Chair for Education, Medical Director, Non-Invasive Vascular Laboratory, Yale School of Medicine, New Haven, CT

James M. Shwayder, MD, JD, FAIUM: President and CEO, Shwayder Consulting, LLC, Venice, FL

HARVARD MEDICAL SCHOOL FACULTY

Elizabeth H. Asch, MD: Instructor in Radiology; Brigham and Women's Hospital, Boston, MA

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

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, Boston, MA

Peter M. Doubilet, MD, PhD: Professor of Radiology; Senior Advisor for Physician Affairs, Department of Radiology, Brigham and Women's Hospital, Boston, MA

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

Robin Perlmutter-Goldenson, MD, MPH: Assistant Professor of Radiology; Brigham and Women's Hospital, Boston, MA

Catherine H. Phillips, MD: Instructor in Radiology; Brigham and Women's Hospital, Boston, MA

Danielle M. Richman, MD, MS: Instructor in Radiology; Brigham and Women's Hospital, Boston, MA

THURSDAY, OCTOBER 24

7:00	Registration / Continental Breakfast	
Moderator: Dr. Benson		
7:55	Welcome and Introduction	<i>Carol B. Benson, MD</i>
8:00	Ultrasound Evaluation of the Aorta	<i>Leslie M. Scoutt, MD</i>
8:40	Elastography	<i>Richard G. Barr, MD, PhD</i>
9:20	Renal and Bladder Ultrasound	<i>Robin Perlmutter-Goldenson, MD</i>
10:00	Coffee and Visit Exhibits	
10:30	Contrast Ultrasound of the Kidneys	<i>Richard G. Barr, MD, PhD</i>
11:00	Ultrasound Evaluation of Portal Hypertension	<i>Leslie M. Scoutt, MD</i>
11:30	Contrast Ultrasound of the Liver	<i>Richard G. Barr, MD, PhD</i>
12:00	Question and Answer Session	<i>Morning Faculty</i>
12:15	Lunch Recess	
Moderator: Dr. Doubilet		
1:30	Ultrasound Evaluation of Renal Transplants	<i>Leslie M. Scoutt, MD</i>
2:00	Challenges in Thyroid Ultrasound	<i>Mary C. Frates, MD</i>
2:40	Coffee and Visit Exhibits	
3:10	Scrotal Ultrasound and Doppler	<i>Catherine H. Phillips, MD</i>
3:50	Ultrasound Evaluation of Upper and Lower Extremity Veins	<i>Leslie M. Scoutt, MD</i>
4:30	Carotid Arteries	<i>Danielle M. Richman, MD</i>
5:00	Question and Answer Session	<i>Afternoon Faculty</i>
5:15	Adjourn	

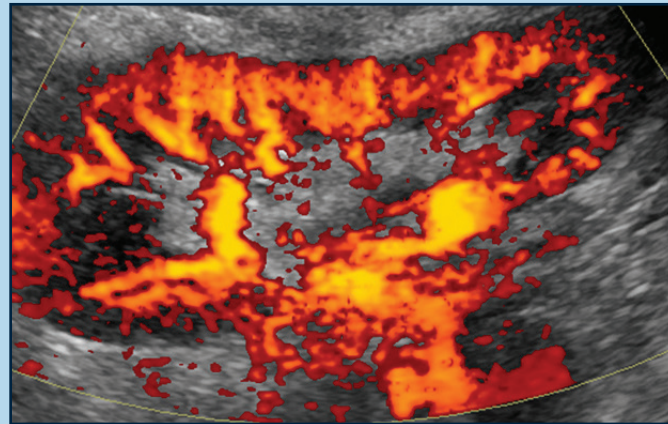
FRIDAY, OCTOBER 25

7:00	Registration / Continental Breakfast	
Moderator: Dr. Doubilet		
7:55	Welcome	<i>Peter M. Doubilet, MD, PhD</i>
8:00	Early Pregnancy Failure	<i>Peter M. Doubilet, MD, PhD</i>
8:30	Ultrasound in the Infertile Patient	<i>James M. Shwayder, MD, JD</i>
9:10	Ectopic Pregnancy	<i>Peter M. Doubilet, MD, PhD</i>
9:50	Coffee and Visit Exhibits	
10:20	First Trimester Screening: Practical Tips	<i>Dolores H. Pretorius, MD</i>
10:50	Medicolegal Liability in OB/Gyn Ultrasound	<i>James M. Shwayder, MD, JD</i>
11:30	3D in Gynecologic Ultrasound	<i>Beryl R. Benacerraf, MD</i>
12:00	Question and Answer Session	<i>Morning Faculty</i>
12:15	Lunch Recess	
Moderator: Dr. Benson		
1:30	Ultrasound of Pelvic Floor Disorders	<i>James M. Shwayder, MD, JD</i>
2:00	A Practical Approach to the Evaluation of Adnexal Masses	<i>Beryl R. Benacerraf, MD</i>
2:40	Ultrasound in the Postmenopausal Patient	<i>James M. Shwayder, MD, JD</i>
3:20	Coffee and Visit Exhibits	
3:50	Challenging Cases in Gynecologic Ultrasound	<i>Beryl R. Benacerraf, MD</i>
4:30	Horses and Zebras in OB/Gyn Ultrasound	<i>Peter M. Doubilet, MD, PhD</i>
5:00	Question and Answer Session	<i>Afternoon Faculty</i>
5:15	Adjourn	

SATURDAY, OCTOBER 26

7:00	Registration / Continental Breakfast	
Moderator: Dr. Frates		
7:55	Introduction and Morning Session Begins	<i>Mary C. Frates, MD</i>
8:00	3D in Obstetrics	<i>Dolores H. Pretorius, MD</i>
8:40	Fetal Thorax	<i>Mary C. Frates, MD</i>
9:10	Basic and High Risk Fetal Heart Screening	<i>Dolores H. Pretorius, MD</i>
9:50	Coffee and Visit Exhibits	
10:20	Fetal Spine	<i>Elizabeth H. Asch, MD</i>
10:50	Fetal Brain: Frontal Horns and Other Pearls	<i>Dolores H. Pretorius, MD</i>
11:30	Fetal Skeleton	<i>Carol B. Benson, MD</i>
12:00	Question and Answer Session	<i>Morning Faculty</i>
12:15	Lunch Recess	
Moderator: Dr. Benson		
1:30	Placenta and Umbilical Cord	<i>Carol B. Benson, MD</i>
2:10	Fetal Gastrointestinal Tract	<i>Mary C. Frates, MD</i>
2:40	Fetal Genitourinary Tract	<i>Carol B. Benson, MD</i>
3:20	Coffee and Visit Exhibits	
3:50	Role of Measurements in OB Ultrasound	<i>Peter M. Doubilet, MD, PhD</i>
4:30	Fetal Interventional Procedures	<i>Carol B. Benson, MD</i>
5:00	Question and Answer Session	<i>Afternoon Faculty</i>
5:15	Adjourn	

Program changes/substitutions may be made without notice.



ACCREDITATION

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

The Harvard Medical School designates this live activity for a maximum of 22.50 *AMA PRA Category 1 Credits™*. Physicians should claim only credit commensurate with the extent of their participation in the activity.

- Thursday - A maximum of 7.00 *AMA PRA Category 1 Credits™*
- Friday - A maximum of 7.50 *AMA PRA Category 1 Credits™*
- Saturday - A maximum of 8.00 *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 \$1,000.00	3-Day Residents/Fellows/RTs/RDMSs Fee \$800.00
2-Day Physician Fee \$850.00	2-Day Residents/Fellows/RTs/RDMSs Fee \$675.00
1-Day Physician Fee \$650.00	1-Day Residents/Fellows/RTs/RDMSs Fee \$550.00

3-Day Student Fee \$325.00
2-Day Student Fee \$275.00
1-Day Student Fee \$225.00

*Processing (non-refundable service fee): \$10. All fees shown in USD.

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/Ultrasound2019>

Registration by check (draft on a United States 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.

Upon receipt of your paid registration, you will receive an email confirmation. Be sure to include an email address that you check frequently. Your email address is used for critical information including registration confirmation, evaluation and certificate.

INQUIRIES

Call (617) 384-8600, Monday to Friday, 9 am to 5 pm (ET) or email ceprograms@hms.harvard.edu

ONLINE INFORMATION

To register or view activity information online, visit: <https://cmeregistration.hms.harvard.edu/Ultrasound2019>
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 email. 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.

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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: 888-421-1442) until October 2, 2019. Please specify that you are enrolled in this activity to receive a reduced room rate of \$289 per night Single/Double. Hotel arrangements can also be made online at <https://www.hyatt.com/en-US/group-booking/BOSTO/G-SOUN>



Please Register at:

<https://cmeregistration.hms.harvard.edu/Ultrasound2019>