



BRIGHAM AND  
WOMEN'S HOSPITAL

# Advanced Sonography Symposium in OB/GYN



September 16-18, 2016

*Hyatt Regency Boston  
Boston, Massachusetts*

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*Course Directors:*

*Beryl R Benacerraf, MD and Carol B Benson, MD*



HARVARD  
MEDICAL SCHOOL

## **COURSE DESCRIPTION**

The use of ultrasound, including 2-D, 3-D, 4-D, and Doppler, continues to expand for the evaluation of the obstetrical and gynecologic patient as improvements are made in these modalities. In addition, new prenatal tests are available that add to the armamentarium for assessing the obstetrical patient. Practitioners may find it challenging to keep up to date with ultrasound imaging capabilities and practices. This advanced sonography course will provide obstetrical and gynecologic ultrasound practitioners with insights and new ultrasound skills for screening, diagnosis, and management of gynecologic and obstetrical patients. Faculty will present in-depth material on first trimester ultrasound, fetal abnormalities, fetal growth disturbances, uterine and endometrial pathologies, and ovarian cancer screening.

## **KEY TOPICS**

- Ovarian cancer screening and assessment of ovarian masses
- Manifestations of endometriosis
- Imaging of suspected ectopic pregnancy
- 3D evaluation of the female pelvis
- Prenatal diagnosis of aneuploidy
- Modern evaluation of fetal growth based on INTERGROWTH
- Evaluation of twins and multiples
- Genitourinary tract - new guidelines

## **LEARNING OBJECTIVES**

*Upon completion of this activity, participants will be able to:*

- Develop strategies to appropriately utilize ultrasound equipment
- Formulate more accurate diagnoses with ultrasound
- Incorporate the newly approved updated guidelines for performance of obstetrical ultrasound
- Incorporate conclusions of the first trimester consensus conference for diagnosing miscarriage into their practice to avoid making mistakes in diagnosis of early pregnancy failure
- Utilize ultrasound for guiding invasive procedures for diagnosis and treatment
- Adopt the new guidelines for assessing and reporting fetal renal dilation

## **TARGET AUDIENCE**

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

## GUEST FACULTY

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**Alfred Abuhamad, MD:** Professor of Obstetrics and Gynecology, Chairman of the Department of Obstetrics and Gynecology, Eastern Virginia Medical School, Norfolk, VA

**Aris Papageorgiou, MD:** Senior Fellow in Fetal Medicine, Clinical Research Director, Oxford Maternal and Perinatal Health Institute University of Oxford, Consultant in Obstetrics and Fetal Medicine, St. George's Hospital, NHS Trust, England

**Dirk Timmerman, MD, PhD:** Professor in Obstetrics and Gynecology, KU Leuven; Clinical Head Gynecology, University Hospitals Leuven, Belgium

## HARVARD MEDICAL SCHOOL FACULTY

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**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

**Bryann S Bromley, MD:** Professor of Obstetrics and Gynecology; Part-time; Department of Obstetrics and Gynecology, Massachusetts General Hospital and Department of Obstetrics and Gynecology, Brigham and Women's Hospital, Boston, MA

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

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

**Yvette S Groszmann, MD:** Clinical Instructor in Obstetrics and Gynecology, and Reproductive Biology, Brigham and Women's Hospital, Boston, MA

**Thomas D Shipp, MD:** Associate Professor of Obstetrics, Gynecology, and Reproductive Biology; Brigham and Women's Hospital, Boston, MA

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## FRIDAY, SEPTEMBER 16

7:00 Registration / Continental Breakfast

**Moderator: Dr. Benacerraf**

8:00 Why should Ultrasound be First in Evaluating Patients  
with Pelvic Symptoms? *Beryl R. Benacerraf, MD*

8:30 How to Characterize and Diagnose  
Ovarian Masses *Dirk Timmerman, MD, PhD*

9:10 Gynecologic Ultrasound  
Unknowns *Dirk Timmerman, MD, PhD*  
*Yvette S. Groszmann, MD, Beryl R. Benacerraf, MD*

9:50 Question and Answers

10:10 **BREAK and EXHIBITS**

10:40 Pelvic Floor *Beryl R. Benacerraf, MD*

11:10 New Information on Ovarian Cancer Screening -  
To Screen or not to Screen *Dirk Timmerman, MD, PhD*

11:50 Questions and Answers

12:10 **LUNCH RECESS**

**Moderator: Dr. Benson**

1:30 The Various Manifestations  
of Endometriosis *Beryl R. Benacerraf, MD*

2:00 Evaluating the Uterus in Patients with Abnormal  
Uterine Bleeding *Dirk Timmerman, MD, PhD*

2:40 One Stop Evaluation of the  
Infertile Patient *Yvette S. Groszmann, MD*

3:20 **BREAK and EXHIBITS**

3:50 3D Evaluation of the Female Pelvis -  
Essential *Beryl R. Benacerraf, MD*

4:30 Panel Discussion *Dirk Timmerman, MD, PhD,*  
*Yvette S. Groszmann, MD, Mary C. Frates, MD,*  
*Beryl R. Benacerraf, MD*

5:00 Questions and Answers

5:15 **ADJOURN**

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## SATURDAY, SEPTEMBER 17

7:00 Continental Breakfast

**Moderator: Dr. Doubilet**

8:00 Ultrasound-Guided Procedures in Gynecology and  
Ectopic Pregnancy *Peter M. Doubilet, MD, PhD*

8:30 Imaging the Suspected Ectopic Pregnancy *Mary C. Frates, MD*

9:10 Complications of Early Pregnancy -  
The New Guidelines *Peter M. Doubilet, MD, PhD*

9:50 Questions and Answers

10:05 **BREAK and EXHIBITS**

10:35 Genetic Sonography in the Era of Combined Screen and  
Cell-Free DNA *Bryann S. Bromley, MD*

11:15 Ultrasound in the Evaluation of  
Fetal Infections *Aris Papageorgiou, MD*

11:55 Questions and Answers

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## **SATURDAY, SEPTEMBER 17 (CON'T)**

12:10 LUNCH RECESS

Moderator: Dr. Benson

- 1:30 First Trimester Anatomy Scan -  
Should Everyone Have it? *Bryann S. Bromley, MD*
- 2:05 The Modern Evaluation of  
Fetal Growth *Aris Papageorghiou, MD*
- 2:45 Management of Fetal Growth Restriction:  
What Doppler Studies Should We Be Doing and When?  
*Afred Abuhamad, MD*
- 3:20 **BREAK and EXHIBITS**
- 3:50 OB Ultrasound in the Developing World *Alfred Abuhamad, MD*
- 4:30 Obstetrical Procedures under  
Ultrasound Guidance *Carol B. Benson, MD*
- 5:00 Questions and Answers
- 5:15 **ADJOURN**

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## **SUNDAY, SEPTEMBER 18**

7:00 Continental Breakfast

Moderator: Dr. Benacerraf

- 8:00 The Evaluation of Twins  
and Multiples *Aris Papageorghiou, MD*
- 8:40 Genitourinary Tract - New Guidelines *Carol B. Benson, MD*
- 9:20 Advanced Evaluation of the Fetal Heart *Alfred Abuhamad, MD*
- 10:00 Questions and Answers
- 10:15 **BREAK and EXHIBITS**
- 10:45 Sonographic Evaluation of the Placenta *Thomas D. Shipp, MD*
- 11:25 Panel Session - OB  
*Aris Papageorghiou, MD,  
Thomas D. Shipp, MD, Bryann S. Bromley, MD,  
Carol B. Benson, MD, Alfred Abuhamad, MD*
- 12:00 Questions and Answers
- 12:15 **ADJOURN**

Program changes/substitutions may be made without notice.

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.

## **COURSE LOCATION / ACCOMMODATIONS / TRAVEL**

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 August 28, 2016. 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://resweb.passkey.com/go/asog>. Please do not purchase non-refundable airline ticket(s) until you have received an email from our office confirming your paid registration.

## **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 17.75 *AMA PRA Category 1 Credits™*. Physicians should claim only credit commensurate with the extent of their participation in the activity.

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 Credit™* 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](http://www.eaccme.eu).

The American College of Obstetricians and Gynecologists has assigned 18 cognate credits to this program.

## **ABMS/ACGME COMPETENCIES**

This course is designed to meet one or more of the following American Board of Medical Specialties/Accreditation Council of Graduate Medical Education competencies.

- \* Patient care and procedural skills
- \* Practice-based learning and improvements
- \* Medical knowledge

## REGISTRATION INFORMATION

Physicians:	\$895
Residents/Fellows/RTs/RDMSs:	\$695
Allied Health Professionals	\$650
*Processing \$5 (non-refundable service fee) *All fees shown in USD	

Registration by credit card or check (VISA, MasterCard or American Express) can be made through Harvard Medical School's secure online registration system at:

[www.cme.hms.harvard.edu/courses/advancedsonography](http://www.cme.hms.harvard.edu/courses/advancedsonography).

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. Upon receipt of your payment, 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.

**Each participant will receive an electronic syllabus only.**

## INQUIRIES

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

## ONLINE INFORMATION

To register or view activity information online, visit:

<https://www.hmscmeregistration.org/732523-1701>

## 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 Essential Areas, Standards, 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.

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*Register at: <https://www.hmscmeregistration.org/732523-1701>*