ULTRASOUND 2010

March 18-20, 2010

Renaissance Boston Waterfront Hotel
Boston, Massachusetts

PROGRAM DIRECTORS
Carol B Benson, MD
Peter M Doubilet, MD, PhD
OBJECTIVES
The course will provide an updated overview of current ultrasound practice and techniques. Upon completion of the course, the practitioner will be able to refine and expand his or her use of ultrasound.

COURSE DESCRIPTION
The thirty-fifth annual course on Ultrasound includes one day of General and Vascular Ultrasound followed by two days devoted to Obstetrical and Gynecological Ultrasound.

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

KEY TOPICS
- Fetal Anomalies
- 3D Obstetrical and Gynecologic Ultrasound
- Ultrasound in Infertility
- First Trimester Ultrasound Including Nuchal Translucency
- Ectopic Pregnancy
- Fetal Heart
- The Genetic Sonogram
- Doppler in Obstetrics
- Ovarian Ultrasound
- Avoiding the Malpractice Crisis in OB/Gyn Ultrasound
- Multiple Gestations
- Postmenopausal Bleeding
- Abdominal and Carotid Doppler
- Thyroid and Parathyroid Ultrasound
- Scrotal Ultrasound
- Musculoskeletal Ultrasound

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

GUEST FACULTY
Alfred Z Abuhamad, MD, FACOG: Chairman, Department of Obstetrics and Gynecology, Professor of Obstetrics and Gynecology and Radiology, Associate Dean for Clinical Affairs, Eastern Virginia Medical School, Norfolk, VA

Peter W Callen, MD: Professor of Obstetrics, Gynecology and Reproductive Sciences, University of California San Francisco, San Francisco, CA

Levon Nazarian, MD: Professor of Radiology, Vice Chairman for Education, Department of Radiology, Thomas Jefferson University Hospital, Philadelphia, PA

John S Pellerito, MD: Associate Chairman, Department of Radiology, Chief, Division of Ultrasound, CT and MRI, Director, Vascular Laboratory, North Shore University Hospital, Manhasset, NY

HARVARD MEDICAL SCHOOL FACULTY
Beryl R Benacerraf, MD: Clinical Professor of Obstetrics, Gynecology and Radiology; Brigham and Women’s Hospital

Carol B Benson, MD: Professor of Radiology; Director, Division of Ultrasound, Co-Director, High Risk Obstetrical Ultrasound, 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; Brigham and Women’s Hospital

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

Robin Perlmutter Goldenson, MD: Clinical Instructor in Radiology; Brigham and Women’s Hospital

Faye C Laing, MD: Professor of Radiology; Brigham and Women’s Hospital

Hope E Peters, MD: Instructor in Radiology; Brigham and Women’s Hospital

Julie Ritner, MD: Instructor in Radiology; Brigham and Women’s Hospital

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

Lisa M Zorn, MD: Instructor in Radiology; Brigham and Women’s Hospital
**THURSDAY, MARCH 18**

*Moderator: Dr Doubilet*

7:55 Welcome and Introduction  
8:00 Scrotal Ultrasound  
8:40 Ultrasound of Soft Tissue Masses  
9:20 Avoiding Pitfalls in Abdominal Ultrasound: Part I  
10:00 COFFEE BREAK  
10:30 Avoiding Pitfalls in Abdominal Ultrasound: Part II  
11:10 What You Need to Know About the Renal Artery Exam  
11:50 Questions and Answers  
12:05 LUNCH RECESS

*Moderator: Dr Frates*

1:20 Ultrasound of the Shoulder and Elbow  
2:00 Thyroid and Parathyroid Ultrasound  
2:40 Advanced Carotid Interpretation  
3:20 COFFEE BREAK  
3:50 Ultrasound of Liver and Kidney Transplants  
4:30 Evaluation of Portal Hypertension and TIPS  
5:00 Questions and Answers  
5:15 Adjourn

**FRIDAY, MARCH 19**

*Moderator: Dr Benson*

7:55 Welcome and Introduction  
8:00 Avoiding the Malpractice Crisis in OB-Gyn Ultrasound  
8:40 Multiple Gestations  
9:25 Ultrasound Evaluation of Syndromes and Associations  
10:05 COFFEE BREAK AND VISIT EXHIBITS  
10:35 Ultrasound Evaluation of the Placenta and Umbilical Cord  
11:20 Ultrasound and Doppler for Retained Products of Conception  
11:40 Questions and Answers  
12:00 LUNCH RECESS

*Moderator: Dr Zorn*

1:10 Fetal Skeletal System  
1:50 Fetal Central Nervous System  
2:30 Fetal Genitourinary System  
3:10 COFFEE BREAK AND VISIT EXHIBITS  
3:40 Fetal Gastrointestinal Tract  
4:20 Practical Approach to the Fetal Heart  
5:00 Questions and Answers  
5:15 Adjourn

**SATURDAY, MARCH 20**

*Moderator: Dr Goldenson*

8:00 Sonography and Doppler of Ectopic Pregnancy  
8:40 First Trimester Ultrasound Including Nuchal Translucency  
9:20 The Genetic Sonogram in the Second Trimester  
10:00 COFFEE BREAK and VISIT EXHIBITS  
10:30 Amniotic Fluid  
11:05 Doppler in Obstetrics  
11:45 Questions and Answers  
12:05 LUNCH RECESS

*Moderator: Dr Warner*

1:15 3D Evaluation of the Face and Neck  
1:55 3D in Obstetrics and Gynecology  
2:35 Ultrasound in the Evaluation of Postmenopausal Bleeding  
3:10 COFFEE BREAK  
3:40 Ultrasound in the Evaluation and Treatment of Infertility  
4:20 Adnexal Pathology  
5:00 Questions and Answers  
5:15 Adjourn
REGISTRATION INFORMATION
For specific tuition fees, see the registration form. All foreign payments must be made by a draft on a United States bank, or by Visa or Mastercard. If paying by check, make it payable to Harvard Medical School and mail with the completed registration form to: Harvard Medical School, Department of Continuing Education, PO Box 825, Boston, MA 02117-0825. If paying by credit card, please register online at www.cme.hms.harvard.edu/courses/ultrasound2010. Telephone or mail-in registration with credit card payment 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.

Please note: Program changes/substitutions may be made without notice. Upon receipt of registration, a confirmation letter will be mailed to the address listed on the form.

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 the following AMA PRA Category 1 Credit(s)™.
• Thursday - 7
• Friday - 7
• Saturday - 7

Physicians should only claim credit commensurate with the extent of their participation in the activity.

ONLINE INFORMATION
To register or view course information online, visit Harvard Medical School Department of Continuing Education’s home page:
www.cme.hms.harvard.edu/courses/ultrasound2010
To ensure proper registration, please add the first three characters of the source code found at the bottom of the registration form.

REFUND POLICY
A handling fee of $60 is deducted for cancellation. Refund requests must be received by mail or fax one week prior to the course. No refunds will be made thereafter.

ACCOMMODATIONS / COURSE LOCATION
Hotel rooms in Boston are limited. You are urged to make your reservations early. A limited number of rooms have been reserved at the Renaissance Boston Waterfront Hotel, 606 Congress Street, Boston, MA 02210, (617) 338-4111 or (800) 468-3571, until February 24, 2010 Please specify that you are enrolled in the Ultrasound course to receive a reduced room rate.

Table: Ultrasound
March 18 - March 20, 2010
Class # 302520

<table>
<thead>
<tr>
<th>I wish to enroll in:</th>
<th>Physicians</th>
<th>Residents, *</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three-days</td>
<td>$725</td>
<td>$450</td>
<td>$200 (USD)</td>
</tr>
<tr>
<td>Two-days</td>
<td>$575</td>
<td>$350</td>
<td>$150 (USD)</td>
</tr>
<tr>
<td>One-day</td>
<td>$375</td>
<td>$200</td>
<td>$100 (USD)</td>
</tr>
</tbody>
</table>

Please check days you plan to attend:
☐ Thursday   ☐ Friday   ☐ Saturday

* A letter of verification from the Department Chair must accompany the registration form for a reduced trainee fee.

CHECK IS ENCLOSED ☐
Please make your check payable to Harvard Medical School and mail it with this registration form to: HMS-DCE, PO Box 825, Boston, MA 02117-0825

Please Print Clearly

<table>
<thead>
<tr>
<th>First</th>
<th>Middle Initial</th>
<th>Last</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>City</th>
<th>State</th>
<th>Zip Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Daytime Phone</th>
<th>Fax Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Email Address</th>
<th>☐ Please check if you wish to be excluded from receiving email notices of future Harvard HMS-DCE programs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Professional School Attended</th>
<th>Year of Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Principal Specialty</th>
<th>Board Certified:</th>
<th>Yes ☐ No ☐</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Organization Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

Registrations paid by credit card may be made online at:
www.cme.hms.harvard.edu/courses/ultrasound2010

Online Registrants - to ensure proper registration, please add the first three characters of the source code found here:
Source Code: X Z Z