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## Symbol Key
- Endowment for Education and Research grant recipient
- Hands-on courses
- Videotaped courses
In Appreciation

The AIUM is grateful to the companies listed below for their support from January 2008 through December 2008.

It is with the greatest appreciation that the AIUM offers our thanks to the following companies for their financial support over the past year. These companies have demonstrated their commitment to the AIUM, the advancement of ultrasound development and education, and the ultrasound community by advertising in the Journal of Ultrasound in Medicine, participating in the Annual Convention and CME courses, providing sponsorship and educational grants, and donating to the AIUM's Endowment for Education and Research.

The AIUM is a multidisciplinary association dedicated to advancing the safe and effective use of ultrasound in medicine through professional and public education, research, development of guidelines, and accreditation. With the help and support of these companies, we will continue to see improvements in years to come.

**Platinum Level**
($50,000 and above)
- GE Healthcare
- Philips Healthcare

**Gold Level**
($25,000–$49,999)
- Medison America, Inc
- Parker Laboratories, Inc
- Siemens Medical Solutions USA, Inc
- SonoSite, Inc
- Zonare Medical Systems, Inc

**Silver Level**
($10,000–$24,999)
- Aloka Ultrasound
- Digisonics, Inc
- Hitachi Medical Systems America, Inc
- Mindray Co, Ltd

**Bronze Level**
($5,000–$9,999)
- American Registry for Diagnostic Medical Sonography (ARDMS)
- AMDworldwide, LLC
- BABE/Medical Soft, Inc
- CIRS, Inc
- CIVCO Medical Solutions
- Cook Medical
- Global Medical Imaging
- Sonotech, Inc
- Sorna Corporation
- Sound Technology, Inc
- taberna pro medicum GmbH
- Toshiba America Medical Systems, Inc

**Copper Level**
($1,000–$4,999)
- AS Software, Inc
- Australasian Society for Ultrasound in Medicine (ASUM)
- Biosound Esaote, Inc
- Cone Instruments
- ContextVision AB
- Creative Display Systems
- DatCard Systems, Inc
- Eco-Med Pharmaceutical, Inc
- Fetal & Women's Center of Arizona
- Fetal Care Center of Cincinnati
- Fetal Medicine Foundation USA
- GAMMEX, Inc
- GeneCare Medical Genetics Center
- Genetic Disease Screening Program/California Department of Public Health
- Harvard Medical School
- Kyoto Kagaku Co, Ltd
- Lenetix Medical Screening Laboratory, Inc
- Lippincott Williams & Wilkins
- Medical Positioning, Inc
- Medimage World, LLC
- Milam Partners, LLC
- NTD Laboratories, a PerkinElmer Company
- Orlando Regional Healthcare
- Pacific Vascular
- Penrith Corporation
- R4, LLC
- Rutland Medical Center
- Scripps Health Recruitment
- Sonultra Corporation
- Sound Ergonomics, LLC
- Summitt Funding Group, Inc
- The Queen's Medical Center
- Texas Children's Fetal Center
- W. B. Saunders/Mosby-Elsevier
GENERAL INFORMATION

Committee Office Hours
Brecht • Fourth Floor
Thursday, April 2 7:30 AM–4:30 PM
Friday, April 3 7:30 AM–4:30 PM
Saturday, April 4 7:30 AM–4:30 PM
Sunday, April 5 7:30 AM–5:00 PM

Registration Hours
Fifth Floor Foyer
Thursday, April 2 6:00 AM–4:00 PM
Friday, April 3 6:00 AM–4:00 PM
Saturday, April 4 6:00 AM–4:30 PM
Sunday, April 5 6:30 AM–5:00 PM

Exhibit Registration Hours
Fifth Floor Foyer
Thursday, April 2 7:30 AM–5:00 PM
Friday, April 3 7:30 AM–4:45 PM
Saturday, April 4 9:00 AM–4:45 PM
Sunday, April 5 9:00 AM–2:00 PM

Exhibit Hall Hours
Westside Ballroom • Fifth Floor
Friday, April 3 11:30 AM–4:30 PM
Exhibit Hall Grand Opening Luncheon 11:30 AM–1:00 PM
Saturday, April 4 9:30 AM–4:30 PM
Refreshment Break 9:30 AM–10:30 AM
Lunch in the Exhibit Hall 12:15 PM–1:15 PM
Refreshment Break 3:30 PM–4:30 PM
Sunday, April 5 9:30 AM–1:30 PM
Refreshment Break 10:15 AM–11:15 AM

AIUM Resource Center
Westside Ballroom • Fifth Floor
Thursday, April 2 8:00 AM–4:30 PM
Friday, April 3 8:00 AM–4:00 PM
Saturday, April 4 8:00 AM–4:30 PM
Sunday, April 5 8:00 AM–5:00 PM

Speaker Ready Room
Gilbert • Fourth Floor
Wednesday, April 1 1:00 PM–5:00 PM
Thursday, April 2 6:00 AM–5:30 PM
Friday, April 3 7:00 AM–5:30 PM
Saturday, April 4 6:00 AM–5:30 PM
Sunday, April 5 6:00 AM–5:00 PM

FREE Wireless Internet Access in the Exhibit Hall
Supported by Toshiba America Medical Systems, Inc
Need Help?
If you have questions about the convention, look for the blue denim shirts. The AIUM staff will be wearing these shirts Thursday through Sunday.

Business Center
The Marriott Marquis hotel has a business center located on the eighth floor next to guest registration. Please check with the hotel for hours of business.

Videotaping and Photography Policy
The AIUM does not allow any photography or videotaping during the AIUM Annual Convention and Preconvention Program except by management and its designated agents.

The AIUM reserves the right to photograph or videotape any exhibit or attendee for use in promotional material or any other AIUM publication. The AIUM may videotape several educational courses for inclusion in the AIUM’s educational video program library.

Conventional Registration Information
Convention registration fees cover attendance at educational sessions held Friday, April 3, through Sunday, April 5, 2009 (with exception of the Meet-the-Professor sessions, which have an addition fee).

AIUM Member Registration Rates
To be eligible for AIUM member registration rates, membership must be current through April 5, 2009.

Meet-the-Professor Sessions
Registration for Meet-the-Professor (MTP) sessions is on a first-come, first-served basis, according to the date of receipt of the registration form. There is no waiting list for sold-out sessions. Tickets for entrance to the MTP sessions will be issued on-site with your registration materials. MTP sessions do not include food.

Cancellations
Written cancellations received by January 16, 2009, receive a refund of meeting registration fees minus a $75 administrative fee. Written cancellations after January 16, 2009, will not receive a refund. Written cancellations must be received by the AIUM via fax, e-mail, or mail.

Fragrance
For the comfort of all participants, we ask attendees to refrain from wearing perfume, cologne, and other fragrances.

Smoking
The Marriott Marquis hotel is a 100% smoke-free environment.

Cell Phones
As a courtesy to your fellow convention attendees and faculty, we ask that you please turn off your cell phone or place it on vibrate during the educational sessions.

What to Wear
Attire at this year’s convention is business casual. The temperature is often cool in meeting rooms; therefore, a sweater or jacket is recommended.
**Children**

Educational Sessions—Due to the nature of the educational sessions, we do not encourage children to be present.

Exhibit Hall—Children may walk through the Exhibit Hall during show hours. Children must be accompanied and supervised at all times by a registered attendee, who is responsible for any damage caused by the children. Strollers are not permitted in the Exhibit Hall at any time. No children younger than 18 years shall be allowed in the Exhibit Hall during exhibit setup and teardown.

Child Care—Contact the concierge at the hotel for assistance in finding child care services.

**AIUM Headquarters**

American Institute of Ultrasound of Medicine
14750 Sweitzer Ln, Suite 100
Laurel, MD 20707-5906 USA
800-638-5352 • 301-498-4100
Fax: 301-498-4450

**Hotel Information**

Marriott Marquis Hotel
1535 Broadway
New York, NY 10036 USA
Main Hotel Number: 212-398-1900

Although many organizations and associations use an outside travel agency to negotiate contracts, the AIUM negotiates its own contracts, and any rebates are paid directly to the AIUM. Income from rebates allows the AIUM to offset expenses and provide enhanced services to attendees.

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**Visit the AIUM Resource Center**

Attention convention attendees! Between sessions and throughout the convention, stop by the AIUM Resource Center to check out all of the products that the AIUM has to offer. Members receive up to a 50% discount on all products as a benefit of membership, including ultrasound-related publications, pamphlets, CME video programs, merchandise, and more.

Stop by for special on-site discounts on select video programs.

See page 1 for AIUM Resource Center hours.

Stop by and enter to win a FREE registration to the 2010 AIUM Annual Convention in San Diego.
## Schedule at a Glance

### Thursday, April 2, 2009

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 AM–4:00 PM</td>
<td>Registration Open</td>
</tr>
<tr>
<td>6:45 AM–7:30 AM</td>
<td>Preconvention Breakfast</td>
</tr>
<tr>
<td>7:30 AM–5:00 PM</td>
<td>Preconvention Program</td>
</tr>
<tr>
<td>11:30 AM–1:00 PM</td>
<td>Preconvention Lunch (on your own)</td>
</tr>
<tr>
<td>7:00 PM–9:00 PM</td>
<td>Presidential Reception for New Members and Leadership</td>
</tr>
<tr>
<td></td>
<td>(by invitation only)</td>
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</tbody>
</table>

### Friday, April 3, 2009

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 AM–4:00 PM</td>
<td>Registration Open</td>
</tr>
<tr>
<td>8:00 AM–9:00 AM</td>
<td>Meet-the-Professor Sessions</td>
</tr>
<tr>
<td>9:15 AM–11:30 AM</td>
<td>Plenary Session: Awards and Entertainment</td>
</tr>
<tr>
<td>11:30 AM–1:00 PM</td>
<td>Grand Opening Luncheon in the Exhibit Hall</td>
</tr>
<tr>
<td>1:00 PM–2:00 PM</td>
<td>Film Panel Sessions</td>
</tr>
<tr>
<td>2:15 PM–3:45 PM</td>
<td>Categorical Courses</td>
</tr>
<tr>
<td>4:00 PM–5:30 PM</td>
<td>Scientific Sessions</td>
</tr>
<tr>
<td>4:00 PM–5:30 PM</td>
<td>Special Focus Session</td>
</tr>
<tr>
<td>4:00 PM–5:30 PM</td>
<td>Community of Practice Meeting: Gynecologic Ultrasound</td>
</tr>
</tbody>
</table>

### Saturday, April 4, 2009

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 AM–4:30 PM</td>
<td>Registration Open</td>
</tr>
<tr>
<td>6:45 AM–7:45 AM</td>
<td>Meet-the-Professor Sessions</td>
</tr>
<tr>
<td>8:00 AM–9:30 AM</td>
<td>Categorical Courses</td>
</tr>
<tr>
<td>9:30 AM–10:30 AM</td>
<td>Refreshment Break in the Exhibit Hall</td>
</tr>
<tr>
<td>9:30 AM–10:30 AM</td>
<td>Community of Practice Meetings:</td>
</tr>
<tr>
<td></td>
<td>Basic Science and Instrumentation</td>
</tr>
<tr>
<td></td>
<td>Cardiovascular Ultrasound</td>
</tr>
<tr>
<td></td>
<td>Interventional/Intraoperative Ultrasound</td>
</tr>
<tr>
<td></td>
<td>Practice of Sonography</td>
</tr>
<tr>
<td>10:30 AM–12:00 PM</td>
<td>Scientific Sessions</td>
</tr>
<tr>
<td>10:30 AM–12:00 PM</td>
<td>New Investigator Session</td>
</tr>
<tr>
<td>10:30 AM–12:00 PM</td>
<td>Community of Practice Meetings:</td>
</tr>
<tr>
<td></td>
<td>Musculoskeletal Ultrasound</td>
</tr>
<tr>
<td></td>
<td>Obstetric Ultrasound</td>
</tr>
<tr>
<td>12:15 PM–1:15 PM</td>
<td>Lunch in the Exhibit Hall</td>
</tr>
<tr>
<td>12:15 PM–1:15 PM</td>
<td>Meet-the-Professor Sessions</td>
</tr>
<tr>
<td>12:15 PM–1:15 PM</td>
<td>Scientific Poster Discussion</td>
</tr>
<tr>
<td>1:30 PM–3:30 PM</td>
<td>Categorical Courses</td>
</tr>
<tr>
<td>3:30 PM–4:30 PM</td>
<td>Refreshment Break in the Exhibit Hall</td>
</tr>
<tr>
<td>3:30 PM–4:30 PM</td>
<td>Community of Practice Meetings:</td>
</tr>
<tr>
<td></td>
<td>General and Abdominal Ultrasound</td>
</tr>
<tr>
<td></td>
<td>High-Frequency Clinical and Preclinical Imaging</td>
</tr>
<tr>
<td></td>
<td>Pediatric Ultrasound</td>
</tr>
<tr>
<td>4:30 PM–5:30 PM</td>
<td>Scientific Sessions</td>
</tr>
<tr>
<td>4:30 PM–5:30 PM</td>
<td>Special Focus Session</td>
</tr>
<tr>
<td>4:30 PM–5:30 PM</td>
<td>Quick Take Sessions</td>
</tr>
<tr>
<td>7:00 PM–11:00 PM</td>
<td>Leadership Banquet (by invitation only)</td>
</tr>
</tbody>
</table>
Sunday, April 5, 2009

6:30 AM–5:00 PM  Registration Open
7:00 AM–8:00 AM  Meet-the-Professor Sessions
8:15 AM–10:15 AM  Categorical Courses
10:15 AM–11:15 AM  Refreshment Break in the Exhibit Hall
10:15 AM–11:15 AM  Community of Practice Meetings:
                      Emergency and Critical Care Ultrasound
                      Fetal Echocardiography
                      Neurosonology
11:15 AM–12:15 PM  Just Images Session
12:30 PM–1:30 PM  Meet-the-Professor Sessions
12:30 PM–1:30 PM  Scientific Poster Discussion
1:45 PM–3:15 PM  Categorical Courses
3:30 PM–5:00 PM  Scientific Sessions
3:30 PM–5:00 PM  Quick Take Sessions
5:00 PM  AIUM Business Meeting

Monday, April 6, 2009

7:00 AM–1:00 PM  Board of Governors Meeting

Enjoy Refreshments in the Exhibit Hall

Friday, April 3
11:30 AM–1:00 PM  Grand Opening Luncheon

Saturday, April 4
9:30 AM–10:30 AM  Coffee and New York Bagels With Cream Cheese
12:15 PM–1:15 PM  Veggie, Roast Beef, and Turkey Sandwiches
3:30 PM–4:30 PM  Cookies and Soda

Sunday, April 5
10:15 AM–11:15 AM  Coffee and New York Bagels With Cream Cheese
## Committee Meeting Schedule

### Wednesday, April 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Committee</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 AM–4:00 PM</td>
<td>Output Standards Subcommittee</td>
<td>Odets • Fourth Floor</td>
</tr>
<tr>
<td>5:00 PM–9:00 PM</td>
<td>International Electrotechnical Commission Subcommittee</td>
<td>Odets • Fourth Floor</td>
</tr>
</tbody>
</table>

### Thursday, April 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Committee</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM–12:00 PM</td>
<td>Technical Standards Committee</td>
<td>Columbia • Seventh Floor</td>
</tr>
<tr>
<td>11:30 AM–1:00 PM</td>
<td>Annual Convention Committee</td>
<td>Duffy • Seventh Floor</td>
</tr>
<tr>
<td>1:00 PM–7:00 PM</td>
<td>Bioeffects Committee</td>
<td>Columbia • Seventh Floor</td>
</tr>
<tr>
<td>1:30 PM–3:00 PM</td>
<td>Finance and Executive Committee</td>
<td>Barrymore • Ninth Floor</td>
</tr>
</tbody>
</table>

### Friday, April 3

<table>
<thead>
<tr>
<th>Time</th>
<th>Committee</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:15 PM–3:15 PM</td>
<td>Continuing Medical Education Committee</td>
<td>Columbia • Seventh Floor</td>
</tr>
<tr>
<td>2:15 PM–3:15 PM</td>
<td>Endowment for Education and Research Committee</td>
<td>Duffy • Seventh Floor</td>
</tr>
</tbody>
</table>

### Saturday, April 4

<table>
<thead>
<tr>
<th>Time</th>
<th>Committee</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM–10:00 AM</td>
<td>Clinical Standards Committee</td>
<td>Columbia • Seventh Floor</td>
</tr>
<tr>
<td>8:00 AM–9:00 AM</td>
<td>Therapeutic Ultrasound Interest Group</td>
<td>Duffy • Seventh Floor</td>
</tr>
<tr>
<td>12:15 PM–1:15 PM</td>
<td>Presidential Advisory Council</td>
<td>JW Marriott Suite • 43rd Floor</td>
</tr>
<tr>
<td>1:30 PM–2:30 PM</td>
<td>Contrast-Enhanced Ultrasound Interest Group</td>
<td>Jolson • Ninth Floor</td>
</tr>
<tr>
<td>1:30 PM–2:30 PM</td>
<td>Postgraduate Course Committee</td>
<td>Columbia • Seventh Floor</td>
</tr>
<tr>
<td>1:30 PM–2:45 PM</td>
<td>Public Education and Resource Committee</td>
<td>Duffy • Seventh Floor</td>
</tr>
</tbody>
</table>
## Sunday, April 5

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM–8:00 AM</td>
<td>Journal of Ultrasound in Medicine Editorial Board</td>
<td>Columbia/Duffy • Seventh Floor</td>
</tr>
<tr>
<td>8:15 AM–9:15 AM</td>
<td>Exhibit Advisory Council</td>
<td>Cantor • Ninth Floor</td>
</tr>
<tr>
<td>8:30 AM–10:30 AM</td>
<td>Ultrasound Practice Accreditation Council</td>
<td>Jolson • Ninth Floor</td>
</tr>
<tr>
<td>10:30 AM–12:00 PM</td>
<td>Membership Committee</td>
<td>Cantor • Ninth Floor</td>
</tr>
<tr>
<td>11:30 AM–1:30 PM</td>
<td>Community of Practice Council Meeting (formerly Council on Sections)</td>
<td>Columbia/Duffy • Seventh Floor</td>
</tr>
<tr>
<td>2:30 PM–5:00 PM</td>
<td>Executive Committee</td>
<td>Barrymore • Ninth Floor</td>
</tr>
<tr>
<td>5:00 PM–5:30 PM</td>
<td>AIUM Business Meeting</td>
<td>Columbia/Duffy • Seventh Floor</td>
</tr>
</tbody>
</table>

## Monday, April 6

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM–1:00 PM</td>
<td>Board of Governors (liaisons arrive at 9:00 AM)</td>
<td>Marquis Ballroom • Ninth Floor</td>
</tr>
</tbody>
</table>

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### Make Your Voice Heard

**Complete Your Evaluation Form!**

Your opinion is important, but we won’t know what it is unless you tell us. Our planning committee reads each and every evaluation!

This is your chance to tell us what you think about the programs you attended and the programs you want in the future. We need real advice from real people in the field, and that is why we count on you to complete your evaluation. Your feedback will help us plan future activities that meet your educational needs.

Evaluation collection boxes are located in the AIUM registration area.
Community of Practice Meeting Schedule

There is no additional fee to attend Community of Practice meetings. CME credit is granted for attendance.

Friday, April 3

4:00 PM–5:30 PM
Gynecologic Ultrasound
Broadway North • Sixth Floor

Saturday, April 4

8:00 AM–9:00 AM
Therapeutic Ultrasound | New Professional Interest Group!*
Duffy • Seventh Floor

9:30 AM–10:30 AM
Basic Science and Instrumentation
Astor Ballroom • Seventh Floor
Cardiovascular Ultrasound
Marquis Ballroom • Ninth Floor
Interventional/Intraoperative Ultrasound
Soho/Herald • Seventh Floor
Practice of Sonography
Shubert • Sixth Floor

10:30 AM–12:00 PM
Musculoskeletal Ultrasound
Marquis Ballroom • Ninth Floor
Obstetric Ultrasound
Broadway North • Sixth Floor

1:30 PM–2:30 PM
Contrast-Enhanced Ultrasound | New Professional Interest Group!*
Jolson • Ninth Floor

3:30 PM–4:30 PM
General and Abdominal Ultrasound
Broadway South • Sixth Floor
High-Frequency Clinical and Preclinical Imaging
Gramercy/Olinstead • Seventh Floor
Pediatric Ultrasound
Soho/Herald • Seventh Floor

Sunday, April 5

10:15 AM–11:15 AM
Emergency and Critical Care Ultrasound
Shubert Complex • Sixth Floor
Fetal Echocardiography
Marquis Ballroom • Ninth Floor
Neurosonology
Soho/Herald • Seventh Floor

*Professional Interest Groups meet as a first step toward becoming official AIUM Communities of Practice.
Educational Opportunities

- Preconvention Program—Attend courses providing in-depth coverage of ultrasound issues. Earn up to 7 AMA PRA Category 1 Credits™ (accepted by the ARDMS) or ARRT Category A Credits.

- Categorical Courses—Choose from concurrent courses developed by Community of Practice chairs and the Annual Convention Committee and presented by distinguished ultrasound professionals.

- Hands-on Courses—Participate in courses covering peripheral nerve ultrasound, elastography, and ultrasound-guided biopsies and intervention.

- Meet-the-Professor Sessions—Participate in small-group sessions led by renowned ultrasound professionals. Space is limited. Meet-the-Professor sessions are not included in the convention registration fee and will not include food. The cost for each session is $25.

- Scientific Sessions—Learn about the latest case reports and research in ultrasound. Topics include:
  - Basic Science
  - Breast Ultrasound
  - Clinical Tissue Characterization
  - Emergency Ultrasound
  - General Abdominal Ultrasound
  - Genitourinary Ultrasound
  - Gynecologic Ultrasound
  - High-Frequency Clinical and Preclinical Imaging
  - Interventional/Intraoperative Ultrasound
  - Obstetric Ultrasound
  - Pediatric Ultrasound
  - Practice of Sonography
  - Just Images Sessions—View and discuss unique cases with the physicians who made the diagnosis.
  - Film Panel Sessions—Discuss unknown ultrasound cases in general and obstetric ultrasound.
  - Scientific Poster Exhibits—View the latest research in progress presented in a visual format.
  - NEW! Quick Take Sessions—Two new sessions will include presentations of ultrasound-related topics in a relaxed setting, which will include early observations and puzzling case series. Each presentation will last 8 minutes (discussion included) and will be given electronically using a centralized computer system.
  - NEW! Special Focus Sessions—These new sessions will provide intensive coverage of special ultrasound topics on professional liability and the path toward becoming an advanced sonographic practitioner.
  - Accreditation “Getting Started” Workshop—Learn how easy it is to complete the ultrasound practice accreditation process, and get answers to the most commonly asked questions regarding accreditation.
  - Case-of-the-Day Challenges—Test your abilities each day by diagnosing unique case studies.
  - Community of Practice Meetings—Meet with other ultrasound professionals who share your interests, plan future AIUM educational programs, and discuss the issues in your specialty. CME credit is granted for attendance.
The American Institute of Ultrasound in Medicine (AIUM) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. AIUM educational activities are planned and implemented in accordance with the ACCME Essential Areas and Elements.

Designation Statement
The AIUM designates the 2009 Preconvention Program for a maximum of 7 AMA PRA Category 1 Credits™. The AIUM designates the 2009 Annual Convention for a maximum of 21.5 AMA PRA Category 1 Credits™. The AIUM designates the 2009 Meet-the-Professor Sessions for a maximum of 5 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Credits for Sonographers
Sonographers participating in AIUM educational activities may earn credits toward maintaining their professional certification from the following organizations:

- American Registry for Diagnostic Medical Sonography (ARDMS)
- American Registry of Radiologic Technologists (ARRT)

Disclosure Policy
As an accredited provider of CME by the ACCME, it is the AIUM’s policy to ensure that the contents and quality of this educational activity are balanced, independent, objective, and scientifically rigorous. All faculty participating in the CME activity are expected to disclose to the learners any significant financial interest or relevant financial relationship(s) with the commercial supporters of the activity that have occurred within the last 12 months. Such relationships may include grants, research support or participation in industry-sponsored research, stock ownership, employment, and consultation or participation in speakers bureaus and boards of directors. The intent of this disclosure is not to prevent a speaker with significant financial or other relevant relationships from making a presentation but rather to provide learners with information on which they can make their own judgments. It remains for the learners to determine whether the speaker’s interests or relationships may influence the presentation with regard to exposition or conclusions.

The AIUM has reviewed this activity’s speaker disclosures and resolved or managed all identified conflicts of interest, if applicable.

Faculty disclosures are printed in the Proceedings of the 2009 Annual Convention.

Conflict of Interest Policy
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<tr>
<td>Zonare Ultrasound: consultant</td>
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<td>Andretti, Rochelle, MD</td>
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<td>Angtuaco, Teresita, MD</td>
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<td>Bahner, David, MD, RDMS</td>
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<td>SonoSite: teaching and/or speaking</td>
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<td>Siemens Medical Advisory Board: Virginia Mason Research, consultant</td>
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<tr>
<td>Blaivas, Michael, MD, RDMS</td>
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<td>Borok, Katherine, BS, RDMS, RDCS</td>
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<td>Eberle, Diane</td>
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<td>Emerson, Donald, MD</td>
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<td>McCormick Strickland, Diana, BSBA, RDMS, RDCS</td>
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<td>Zagrodski, James, PhD</td>
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<td>Philips Healthcare</td>
<td>New Investigator Award</td>
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<td>Siemens Medical Solutions, USA, Inc</td>
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<td>SonoSite, Inc</td>
<td>Presidential Reception for New Members and Leadership</td>
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<td>Texas Children’s Fetal Center</td>
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<td>Toshiba America Medical Systems, Inc</td>
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<td>(tote bag inserts, room distributions, publications, video presentations)</td>
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<td>ADVANCE Newsmagazines</td>
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<td>Philips Healthcare</td>
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<th>Preliminary and Final Program Advertisers</th>
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<td>Genetic Disease Screening Program/California Department of Public Health</td>
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It is with great appreciation that the AIUM thanks the individuals listed below who contributed to the EER during the period from January 1 through December 31, 2008. These contributors will have a ribbon on their name badge indicating that they are EER donors; please be sure to thank them for their generosity and support.

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Robert A. Pollock, MD
Tyrone M. Porter, PhD
Antonella Portuese, MD
John E. Postley, MD
Kelli J. Powell, RDMS
Paul Prachun, MD, FRCP(C)
Dolores H. Pretorius, MD
David L. Principe, MD
Sheila R. Protaskey, RDMS
Sandra H. Pupa, MD
Elizabeth Puscheck, MD, MS
Scott W. Puza, MD
Fred A. Quenzer, Jr, MD
Joanne Quinones, MD
Luis O. Quintana, MD, PhD
Janet Radford, DMU
Judith A. Raeth, RDMS
Sharon Rais, MD
Philip W. Ralls, MD
Eduardo Ramirez-Lizardi
Vinay Ranade, MD
Louise Rang, MD, FRCP, RDMS
Sheshagiri Rao, MD FRCP(C) DABR
Cindy L. Rapp, BS, RDMS
Gary S. Rapp, MD
Keith F. Rawlinson, MD
Andrei Rebarber, MD
Joseph Reddish, RDMS
Kathryn L. Reed, MD
Dale P. Reisner, MD
Xiaolong Ren, PR
Rachel H. Respass
Catherine Rienzo, MS, RT, RDMS

Daniel Rightmire, MD, RDMS, MBA
Christopher M. Rigsby, MD
Jennifer M. Risinger, MD
Theresa M. Rispoli-Mettberg, BSN, CNM
Russell M. Ritota, RDMS
Michelle M Roach, RDMS
Candace E. Roberts, MD
Andrew W. Robertson, MD
Robert D. Robertson, MD, MBBS
Ashley Robinson, BSc, MB ChB, FRCP
Veronica Rodriguez-Saad, RT(R), RDMS
Joseph A. Rojas, II, MD
Ashley S. Roman, MD, MPH
Roberto J. Romero, MD
Catherine M. Rose, MD
Donor J. Rosen, MD
Raymond Rosenfeld, MD
Jim W. Ross, MD, PhD
Stephen Rotholz, MD
Scott J. Rowen, MD
Denise L. Royer, BA, RDMS
Susan W. Rubinoff, MD
Perry Rudich, MD
G. Thomas Ruebel, MD
Carol M. Rumack, MD
Constantine Saad, MD
Rudy E. Sabbagh, MD
Alan Sacks, MD
Bal M. Sahay, MD, FRCP
Tahir M. Sahib, MBBS
Rebecca L. Sahlman, MD
Christine S. Sahn, RDMS, RDMS, RVT
David J. Sahn, MD
Hiroyuki Saita, MD
Fumikazu Sakai, MD
Lazar S. Salas, RDMS
Eileen Sales, MD
Azen Salim, MD
Caryl G. Salomon, MD
Daniel Saltzman, MD
Anthony F. Salvo, MD
Amanda Sampson
Carlos C. Sanchez Huerta
Anne M. Sandoval, BS, RDMS, RVT
Thomas R. Sanford, MD
Elaine M. Sansone, RDMS
Nanette F. Santoro, MD
Rosalba Santos, RDMS
Michihiro Sato
Norman E. Sato, MD
Satoshi Sato, MD
Yutaka Sato, BA
Leah E. Schafer, MD
Lawrence H. Schankner, MD
 Lorrie E. Schassler, RVT
Michael A. Schellpfeffer, MD, MS
Andrea Scherer, RDMS
Barbara Schilling, CNMT, RVT, RDMS
Michael A. Schirripa, MD
Donald Schmidt, MD
M. Schneider, PhD
Ronald L. Schneider, RDMS
Thomas Schramm, MD
Patrick T. Schuette, MD
Andrea Schulte, RN
Scott Schultz, MD
Michael Schuweiler, RDMS
David B. Schwartz, MD, FRCOG
Howard I. Schwartz, MD
Joyce K. Schwartz, RDMS, RVT
Nadav Schwartz, MD
Dieter Schweizer
Joy S. Sclamberg, MD
Gregg A. Seider, AAS, RDMS, RVT
Roberto J. Sein, MD
Susan Seligman, MD
James E. Seltzer, DO
Shyamashree Sengupta, MD
Nelia Sering, RDMS
Elizabeth Serniak, MD
Edward J. Servy, MD
Donna R. Session, MD
Donna Seyfert
Richard L. Shaffer, MD
Shailes K. Shah, BS, RDMS
Amit Sharma
Ralph Sharman, MD
Adam Shaw, MA
Hang C. Shen, MD
Celeste Shepard, MD
Arthur B. Sher, MD
Alyce Sherbenou
Farah Sherman, BS
Laurence E. Shields, MD
Rebecca L. Shiffman, MD
Takashi Shimizu, MD, PhD
Norio Shinozuka, MD, PhD
Arnold Shkolnik, MD
Philip A. Shlossman, MD
Michael C. Shockley, MD
Hamid Shokoohi, MD, MPH
Janie L. Shunk
Jay G. Shyuken, MD
Jack I. Siegel, RVT
Paul R. Sierzenski, BS, RDMS
Irene E. Silva, RDMS
Joel Clamor Sim, MD
Gema Simmons, MD
Jorge F. Sinclair, MD
Kathleen M. Singer, RDMS
Santad Sira, MD, FICS
Roxanne M. Sivalop, AS, RDMS
Daniel W. Skupski, MD
Povилас Siaukvicius, MD, PhD
Pamela S. Sloop, RN, MSN, MBA, RDMS
Randal Sloop, MD
Chrystia Slywotzky, MD
Darlene Smith, BS, RN, RDMS
Henry K. Smith, DO
Jay Smith, MD
Jill E. Smith, RT(R), RDMS
Pamela E. Smith, MD, MPH, CHES
Robert S. Smith, MD, RDMS
Stephen Smith, MD
Dennis A. Sobczak, MD
Walter Sobczyk, MD
Valery P. Sobczynski, MD
Tamara S. Soderbloom
Roya Sohaya, MD
Sachin Solanki
Robert J. Soper, MD
Yoram Sorokin, MD
Ira J. Spector, MD
Zeno A. Spierczek, MD
Jean L. Spitz, MPH, RDMS
Nikki C. Stahl, RDMS, RVT
Wesley D. Stanaland, Jr
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Penny Stivan, RDMS
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Joanne L. Stone, MD
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Mel E. Stratmeyer, PhD
Bernard T. Stuart, MD
Damon L. Stutes, MD
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Vincenzo Suma, MD
James D. Sutherland, MD
M. Sutherland, MD
Manuel C. Sy, MD
Thomas L. Szabo, PhD
Celso L. Szmidt, MD
Mauro A. Takeda
Hisaya Takeuchi, MD, PhD
Katsuaki Tanaka, MD
Neal Taub, MD
Lucille P. Taverna, MD
Helen Taylor, MIR, DMU
Jana I. Taylor, RT(R)(N), RDMS, RVT
Linda Taylor, MD
Hui-Seong Teh, MBBS, FRCR
Michael Tenner, MD
Jennifer Theoharis, MD
Craig P. Thieszen, MD
Brad Thiipgen, DO
Helen L. Thomas, BA HONS, DCR(R), PGDMU
M. Jay Thomas, RDMS, RRT, RCT
Dan M. Thomason, MD
Kai E. Thomenius, PhD
Michael K. Thompson, RT(R)(S)(VS), RDMS, RVT, RDMS
Stephan E. Thorn, MD
Janine Thornber, DCR(R), DMU
Ilan E. Timor-Tritsch, MD
Alfredo Tirado-Gonzalez, MD
Arkam Tivorsak, MD
Sudhakar Tiwari
Francis G. Tomaski, MD
Jennifer Tomczak, MD
Beverly Tong, MD
Eugene C. Toy, MD
Dara R. Treadwell, BS, RT(R)(M), RDMS
Marjorie C. Treadwell, MD
Terry B. Tressler, DO
Kenneth F. Trofatter, Jr, MD, PhD
John F. Trombly, BS, RDMS, RVT
Robert L. True, MD
Panagiotis Tsirkinidis, MD, CAPT, MC
Nadine Tuleja, RN, RDMS
Ralph J. Tullo, MD
Julie Turner, RDMS
R Peter Ulland, MD
Reinhold A. Ulrich, MD
Richard A. Ulrich, BS, RDMS
Edet Umana, MD, MBA
Murat Uzel
Donald T. Van de Water, MD
Marnix van Holsbeeck, MD
Amanda Vanderscheldt, MD
Jean-Louis Vanoverschelde, MD, PhD
Marie L. Vartolo, MD
Lilianna Vega
Rosa M. Velasquez, MD
Tracy B. Vest, BSR
Yvan Vial, MD
David H. Vilkomerson, PhD
Shirley I. Villamar-Encinas, MD
Jesse R. Villanueva, AA, RDCS, RDMS
Joni R. Voss, RT(R), RDMS, RVT
Melissa Voss, BA, RDMS
Keith W. Vrbbick, MD
Brent J. Wagner, MD
Richard K. Wagner, MD
Camil D. Walker, MD
Eileen Wang, MD
Kenneth Ward, MD
Debra J. Ware, MD
Thomas Wargo, BSEE
Wendy B. Warren, MD
John Waterfallen, MD
Peter T. Watson, MD
Jane Weber, MS, NP
Sandra Weber, RDMS
Elisabeth K. Wegner, MD
Hassan Wehbeh, MD
Jerald B. Weinberg, MD
James B. Weinstein, MD
Becky A. Weintraub, RDMS
Jonathan D. Weiss, MD
Patricia C. Weiss, AAS RDMS
Holly Wells, MD, FRCP(C), ABR
Rodney Wells, MD
William Wells, MD
Katharine D. Wenstrom, MD
Caroline A. Werner, MD
Connie Westley
Stuart D. Weston, MD, MS
Ellen B. Wetter, MD
Paul Wexler, MD
Laura M. Wexler-Burek, RDMS
Daniel K. Whetham
Laurel M. White, MD
Sanford F. White, MD
Gerrie Whitley, RDMS, RN
Michele C. Whitt, MD
Penelope C. Whitcher, RDMS
Martin H. Wilcox, BSEE
Paul T. Wilkes, MD
Margaret M. Williams, RT, RDMS
Radine L. Williams-Boss, RDMS
Donna Wilson
Stephanie R. Wilson, MD
Patricia P. L. Winter, MD
Michael Wise, DVM
Kathryn Witte, BA, RDMS
Robert N. Wolfson, MD, PhD
Wayne P. Wolfson, MD
Edward Y. C. Wong, MD, FRCP
Hong Soo Wong, MBBS, MMedSc
Maria S. Wong, BS, BTR, RDMS, RDCS, RVT
Roberta D. Wong, BS, RDMS, RDCS
Steven Wong, MD
Charnisay S. Woodward, MBBS, DMRD, FRANZCR, GDE
Alan Woronoff, MD
Joseph A. Worrall, Jr, MD, RDMS
Yingli Wu
Simcha Yagel, MD
Toshiro Yahara, MD, PhD
Linxin Yao, PhD
Lisa Yates
Tracy Young, RDMS, RDCS, RVT, RT(R)
Jerry K. Yu, MD
Mark S. Yuhasz, MD
Muhammad A. Zaheer, MD
David M. Zaleski, MD
Thomas J. Zarlingo, MD
Jill Zavitsky, RT, RDMS
Ralph D. Zehr, MD, DCMT
Ying Zhao, MD
Sara Zieher, BS, RDMS
R. Eugene Zierler, MD
Marvin Ziskin, MD
Grazyna A. Zwirello, RDMS
Fourth Floor Rooms
Gilbert — Speaker Ready Room
Odets — Courses/Sessions*
Wilder — Courses/Sessions*
Brecht — AIUM Committee Office
Ziegfeld — Courses/Sessions*
O’Neill — Courses/Sessions*
* Categorical Courses/Scientific Sessions/Meet-the-Professor Sessions/Quick Take Sessions
Fifth Floor Rooms

Westside Ballroom—Exhibits
46th Street Side Foyer—AIUM Registration
45th Street Side Foyer—AIUM Exhibit Registration
**Marriott Floor Plans**

**Sixth Floor**

**Sixth Floor Rooms**
- Broadway Ballroom North — Courses/Sessions*
- Broadway Ballroom South — Courses/Sessions*
- Shubert Complex — Courses/Sessions*
- Majestic — Courses/Sessions*
- Music Box — Courses/Sessions*

*Categorical Courses/Scientific Sessions
Marriott Floor Plans

Seventh Floor

Seventh Floor Rooms
Duffy — Committee Room
Columbia — Committee Room
Astor Ballroom — Courses/Sessions*

Empire Complex — Courses/Sessions*
Soho/Herald — Courses/Sessions*
Gramercy/Olmstead — Courses/Sessions*

* Categorical Courses/Scientific Sessions
Marriott Floor Plans

Ninth Floor

Ninth Floor Rooms
Marquis Ballroom—Courses/Sessions*
Cantor—Committee Room
Jolson—Committee Room
Barrymore—Committee Room

*Categorical Courses/Scientific Sessions
Room Names and Locations in Alphabetical Order

45th Street Side Foyer—Fifth Floor
46th Street Side Foyer—Fifth Floor
Astor Ballroom—Seventh Floor
Barrimore—Ninth Floor
Brecht—Fourth Floor
Broadway Ballroom North—Sixth Floor
Broadway Ballroom South—Sixth Floor
Cantor—Ninth Floor
Columbia—Seventh Floor
Duffy—Seventh Floor
Empire Complex—Seventh Floor
Gramercy/Olmstead—Seventh Floor
Gilbert—Fourth Floor
Jolson—Ninth Floor
Majestic—Sixth Floor
Main Foyer—Fifth Floor
Marquis Ballroom—Ninth Floor
Music Box—Sixth Floor
Odets—Fourth Floor
O’Neill—Fourth Floor
Shubert Complex—Sixth Floor
Soho/Herald—Seventh Floor
Westside Ballroom—Fifth Floor
Wilder—Fourth Floor
Ziegfeld—Fourth Floor

See pages 29–33 for Marriott Marquis floor plans.
# Thursday, April 2

## Preconvention Program

### Separate Registration

### Schedule at a Glance

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 AM–4:00 PM</td>
<td>Registration Open</td>
</tr>
<tr>
<td>6:45 AM–7:30 AM</td>
<td>Preconvention Course Breakfast</td>
</tr>
<tr>
<td>7:30 AM–11:30 AM</td>
<td>Basic Techniques: Real-time Demonstration of Transcranial Doppler Ultrasound in Daily Practice</td>
</tr>
<tr>
<td>7:30 AM–11:30 AM</td>
<td>Guided Tour of the Fetal Heart: Step by Step</td>
</tr>
<tr>
<td>7:30 AM–5:00 PM</td>
<td>Doppler Ultrasound in Obstetrics: Basic and Advanced</td>
</tr>
<tr>
<td>7:30 AM–5:00 PM</td>
<td>The Future Is Here: New Horizons in Ultrasound</td>
</tr>
<tr>
<td>7:30 AM–5:00 PM</td>
<td>Ultrasound Present and Future: Emerging Markets and New Technologies</td>
</tr>
<tr>
<td>8:00 AM–12:00 PM</td>
<td>Technical Standards Committee Meeting</td>
</tr>
<tr>
<td>11:30 AM–1:00 PM</td>
<td>Preconvention Lunch <em>(on your own)</em></td>
</tr>
<tr>
<td>11:30 AM–1:00 PM</td>
<td>Annual Convention Committee Meeting</td>
</tr>
<tr>
<td>1:00 PM–7:00 PM</td>
<td>Bioeffects Committee Meeting</td>
</tr>
<tr>
<td>1:00 PM–5:00 PM</td>
<td>Critical Care Ultrasound: Current Applications and Future Challenges</td>
</tr>
<tr>
<td>1:00 PM–5:00 PM</td>
<td>Recognizing Ovarian Cancer and How to Screen for It</td>
</tr>
<tr>
<td>1:30 PM–3:00 PM</td>
<td>Finance and Executive Committee Meeting</td>
</tr>
<tr>
<td>7:00 PM–9:00 PM</td>
<td>Presidential Reception for New Members and Leadership <em>(by invitation only)</em></td>
</tr>
</tbody>
</table>

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www.aium2009.org
6:45 AM–7:30 AM
Preconvention Course Breakfast
Preconvention course breakfast will be served outside each room.

7:30 AM–11:30 AM
Basic Techniques: Real-time Demonstration of Transcranial Doppler Ultrasound in Daily Practice
Moderator: Tatjana Rundek, MD, PhD
Soho/Herald Complex • Seventh Floor
After this course, participants will understand clinical indications for transcranial Doppler (TCD) testing, basics of TCD testing procedures (insonation and vessel identification) and normal blood flow velocity parameters, basics of TCD interpretation and reporting, the use of bio-informatics and various platforms for TCD interpretation, the role of TCD in stroke, subarachnoid hemorrhage, and other neurovascular conditions, and setting up the TCD laboratory, technical and professional requirements, and laboratory certification.

Faculty
Zsolt Garami, MD
Randolph Marshall, MS, MD
Tatjana Rundek, MD, PhD
Charles Tegeler, MD

7:30 AM–11:30 AM
Guided Tour of the Fetal Heart: Step by Step
Moderators: Thomas Nelson, PhD, and Lami Yeo, MD
Empire Complex • Seventh Floor
This course is intended as a tutorial for those individuals who are not familiar or comfortable with fetal heart anatomy or scanning strategies. It is intended as an introduction to a step-by-step approach to fetal heart evaluation, including examples of congenital heart disease, scanning methods for identifying cardiac structures, and more.

Faculty
Alfred Abuhamad, MD
Greggory DeVore, MD
Julia Drose, BA, RT, RDMS, RVT, RDCS
Wesley Lee, MD
Mark Sklansky, MD
7:30 AM–5:00 PM
Doppler Ultrasound in Obstetrics: Basic and Advanced
Moderator: Ahmet Baschat, MD
Marquis Ballroom • Ninth Floor
The objectives of this course are to describe the technique of how to perform both basic and advanced Doppler ultrasound examinations in obstetrics and to discuss the clinical applications of Doppler ultrasound.

Faculty
Ahmet Baschat, MD
Giancarlo Mari, MD
Lynn Simpson, MD
Sifa Turan, MD, RDMS

7:30 AM–5:00 PM
The Future Is Here: New Horizons in Ultrasound
Moderators: Mark Kliewer, MD, Mark Lockhart, MD, MPH, Diana Gaitini, MD, Vikram Dogra, MD, and Wui Chong, MD
Astor Ballroom • Seventh Floor
This course is a state-of-the-art review of new ultrasound technology. Participants will learn about the latest advances in ultrasound contrast, elastography, volumetric imaging, ergonomically user-friendly equipment, and transducer technology. Potential applications of new technology in obstetric, vascular, breast, and abdominal imaging will be presented by experts in the field. There will be an update on the availability of ultrasound contrast agents in the United States and the status of negotiations with the US Food and Drug Administration.

Faculty
Richard Barr, MD, PhD
Stamatia Destounis, MD
Flemming Forsberg, PhD
Caterina Gallippi, PhD
Barry Goldberg, MD
Luís Gonçalves, MD
Timothy Hall, PhD
Mark Kliewer, MD
Andrej Lyshchik, MD, PhD
Robert Mattrey, MD
Rendon Nelson, MD
Thomas Nelson, PhD
Jonathan Rubin, MD, PhD
Franklin Tessler, MD, CM
James Zagzebski, PhD
7:30 AM–5:00 PM

Ultrasound Present and Future: Emerging Markets and New Technologies

Moderator: M. Robert De Jong, RDCS, RDMS, RVT

Gramercy/Olmstead • Seventh Floor

At the completion of this course, participants will have a basic understanding of new technologies as they relate to the ultrasound machine, transducers, and ancillary equipment. Technologies to be discussed will include matrix transducers, compound imaging, elastography, volume imaging, fusion technologies, and picture archiving and communications systems. The second half of this course will give the participant a basic understanding of new emerging areas for ultrasound, including expanding biopsy areas, musculoskeletal ultrasound, 3- and 4-dimensional ultrasound outside obstetrics and gynecology, and the handheld market being used outside the radiology setting.

Faculty
Ruben Acherman, MD
Michael Blaivas, MD, RDMS
Deborah D’Agostini, RDMS
Ulrike Hamper, MD, MBA
Salvatore LaRusso, MEd, RDMS, RT(R)

Jennifer McDowell, RVT, RDMS
William Medford, RDMS
Paul Mullen, BSEE
Philip Ralls, MD
James Zagzebski, PhD

1:00 PM–5:00 PM

Critical Care Ultrasound: Current Applications and Future Challenges

Moderator: David Bahner, MD, RDMS

Soho/Herald • Seventh Floor

This course will address the following topics: ultrasound approaches in different areas of a hospital, emergency medicine versus intensive care unit use of critical care ultrasound, and decoding pulmonary ultrasound. It will conclude with a panel discussion on the future of critical care ultrasound and pushing the envelope on organizational ultrasound initiatives.

Faculty
Michael Blaivas, MD, RDMS
Daniel Lichtenstein, MD
Paul Mayo, MD
1:00 PM–5:00 PM
Recognizing Ovarian Cancer and How to Screen for It
Moderator: Arthur Fleischer, MD
Empire Complex • Seventh Floor
Following this course, attendees will have an overview of the clinical aspects and new information on screening, especially with proteomics, and be able to discuss and illustrate the use of sonographic techniques, including morphologic assessment, color Doppler ultrasound, 3-dimensional ultrasound, and, potentially, contrast.
Faculty
David Fishman, MD
Arthur Fleischer, MD
Andrej Lyshchik, MD, PhD
Ilan Timor-Tritsch, MD, RDMS

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Presidential Reception for New Members and Leadership
7:00 PM–9:00 PM
JW Marriott Suite • 43rd Floor
This event is by invitation only.
Supported by

[Logo: SonoSite]
**Friday, April 3**

**Convention**

**Schedule at a Glance**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 AM–4:00 PM</td>
<td>Registration Open</td>
</tr>
<tr>
<td>8:00 AM–9:00 AM</td>
<td>Meet-the-Professor Sessions</td>
</tr>
<tr>
<td>9:15 AM–11:30 AM</td>
<td>Plenary Session: Awards and Entertainment</td>
</tr>
<tr>
<td>11:30 AM–1:00 PM</td>
<td>Grand Opening Luncheon in the Exhibit Hall</td>
</tr>
<tr>
<td>1:00 PM–2:00 PM</td>
<td>Film Panel Sessions</td>
</tr>
<tr>
<td>2:15 PM–3:45 PM</td>
<td>Categorical Courses</td>
</tr>
<tr>
<td>2:15 PM–3:15 PM</td>
<td>Continuing Medical Education Committee Meeting</td>
</tr>
<tr>
<td>2:15 PM–3:15 PM</td>
<td>Endowment for Education and Research Committee Meeting</td>
</tr>
<tr>
<td>4:00 PM–5:30 PM</td>
<td>Scientific Sessions</td>
</tr>
<tr>
<td>4:00 PM–5:30 PM</td>
<td>Special Focus Session</td>
</tr>
<tr>
<td>4:00 PM–5:30 PM</td>
<td>Gynecologic Ultrasound Community of Practice Meeting</td>
</tr>
</tbody>
</table>

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8:00 AM–9:00 AM

Meet-the-Professor Sessions

Four concurrent Meet-the-Professor sessions (MTPs) are offered at this time. The MTPs must be paid for separately. Visit the registration desk to register for any MTPs that are not sold out.

FA1  Medicolegal: Ectopic Issues
James Shwayder, MD, JD
Ziegfeld • Fourth Floor

This session will discuss medicolegal issues related to ectopic pregnancies, including medical treatment and wrongful birth.

FA2  Ultrasound Contrast Agents: Benefits Versus Risks?
J. Brian Fowlkes, PhD
Wilder • Fourth Floor

This session will provide an opportunity to discuss issues surrounding ultrasound contrast agents (UCAs) and potential for bioeffects associated with their use. Many commercial UCAs use microbubbles to enhance ultrasound imaging. US Food and Drug Administration–approved agents are already providing relevant diagnostic data for cardiac applications in the United States and for noncardiac diagnoses throughout the rest of the world without the use of ionizing radiation. Because it is known that under appropriate conditions gas bubbles can undergo cavitation, there is obvious interest in understanding whether UCA use could potentially pose any risk to patients. As with any diagnostic imaging procedure, the benefits and risks must be weighed; therefore, understanding relative risks on balance with the known clinical utility is essential to appropriate patient care. At the conclusion of the session, participants will be able to discuss the possible sources of bioeffects associated with UCAs, how the conditions in ultrasound imaging relate to the potential for bioeffects, and the relationship of the risks to those of other imaging modalities.

FA3  Male Genitalia Ultrasound
Paul Sidhu, BSc, MRCP, FRCR
O’Neill • Fourth Floor

Following the session, participants will be able to confidently examine scrotal contents, with confident identification of common abnormalities, and be able to recognize unusual normal variants and rarer abnormal findings. Characterization of testicular masses, the significance of microthiasis, and the role of Doppler in diagnosis of testicular torsion will be discussed. Participants will also be able to perform a standard dynamic pharmacologically stimulated erectile study and be able to identify common focal abnormalities of the penis.

FA4  Nongynecologic Pelvic Findings
Anna Parsons, MD
Odets • Fourth Floor

At the conclusion of this session, participants will be able to recognize and learn the palpatory test for sigmoid diverticuli as a source of pelvic discomfort, recognize odd pelvic cysts, such as peritoneal cysts (loculated fluid-filled adhesions), lymphoceles, urachal cysts, and ectopic ureters, and recognize odd pelvic solid masses, such as splenosis, pancreatic pseudocysts that have fallen into the pelvis, and pelvic kidneys.
The William J. Fry Memorial Lecture Award was established by Joseph H. Holmes, MD, in 1969 and presented for the first time at the AIUM Annual Convention in Winnipeg that year. William J. Fry, MS, was a physicist with a strong interest in ultrasound in biology and medicine whose innovative research efforts advanced the field of diagnostic ultrasound. One of Professor Fry's most notable contributions was the successful design of an ultrasonic system used to pinpoint lesions in the brain without damaging adjacent tissues. This ultrasonic system was later used to treat various brain pathologies and, in particular, Parkinson's disease. His impassioned interest in ultrasound led him to become president of the AIUM from 1966 until his death in 1968. The following year, the William J. Fry Memorial Lecture Award, recognizing a current or retired AIUM member who has significantly contributed, in his or her particular field, to the scientific progress of medical diagnostic ultrasound was established in his honor.

*Complete abstract printed in the Proceedings of the 2009 Annual Convention.

In 1977, the Pioneer Award, which honored an individual who significantly contributed to the growth and development of diagnostic ultrasound, was established. This special award was renamed in 1982 to honor Joseph H. Holmes, MD. Dr Holmes, the first person named as an AIUM pioneer, was an important figure to both the field of diagnostic ultrasound and the AIUM. His early efforts in ultrasound research included tissue characterization and ultrasound's diagnostic use in polycystic kidney disease and orthopedics. Each year, the Joseph H. Holmes Pioneer Award honors 2 current or retired AIUM members, 1 in clinical science and the other in basic science.
Distinguished Sonographer Award
Jean Spitz, MPH, RDMS

Established in 1997, the Distinguished Sonographer Award is a means of recognizing and honoring current or retired AIUM members who have significantly contributed to the growth and development of diagnostic ultrasound. This annual presentation honors a sonographer whose outstanding contributions to the development of diagnostic ultrasound warrant special merit.

Honorary Fellow Award
Alfred Kratochwil, MD

The Honorary Fellow Award bestows an honorary membership to individuals who have contributed significantly to the field of ultrasound and, in most cases, whose primary residence is outside North America. Criteria include 9 or more years in work related to medical ultrasound, 5 or more publications in refereed journals, exemplary educational accomplishments, and exemplary community, clinical, or organizational service.

Memorial Hall of Fame
Fred Winsberg, MD
Martin Resnick, MD
Horace Thompson, MD

Established in 1981, the Memorial Hall of Fame serves as a posthumous tribute to a creative and devoted physician, research scientist, or other individual who has been an active member of the AIUM and contributed to the field of ultrasound in medicine. A plaque honoring each member of the Hall of Fame is displayed in a designated place in the Executive Office of the AIUM, and another is presented to the family of the honoree during the annual meeting.

Memorial Recognition
Martin Buchalter

Established in 2002, the Memorial Recognition serves as a posthumous tribute to a creative and devoted physician, research scientist, or other member or nonmember who has contributed to the field of ultrasound in medicine. The honoree is recognized at the Plenary Session during the Annual Meeting.

Endowment for Education and Research (EER) Grant Awards
Recipients to be announced.
Take a breather with the world's best-known collegiate a capella group, the Yale Whiffenpoofs, as they entertain convention attendees with classic numbers and spectacular vocals.

Founded in 1909, the “Whiffs” began as a senior quartet that met for weekly concerts at the famous Yale tavern Morey's Temple Bar. Today, the group of 14 senior men, selected each year, remains one of Yale's most highly celebrated traditions.

The Whiffenpoofs have performed for generations at a number of venues, including the Lincoln Center, the White House, the Salt Lake Tabernacle, Oakland Coliseum, Carnegie Hall, and the Rose Bowl. The group has also appeared on television shows such as Jeopardy!, The Today Show, Saturday Night Live, 60 Minutes, Gilmore Girls, and The West Wing.

An opening luncheon will take place in the Exhibit Hall directly following the Whiffs' performance.

11:30 AM–1:00 PM
Grand Opening Luncheon in the Exhibit Hall
Westside Ballroom • Fifth Floor
Following the Plenary Session, an opening luncheon will be held in the Exhibit Hall. Take this time to interact with colleagues as well as representatives from leading companies in the ultrasound industry.

Smile! Stop by the PHOTO BOOTH in the Exhibit Hall for a convention keepsake!
1:00 PM–2:00 PM
Film Panel Sessions

General Imaging Film Panel
Broadway Ballroom South • Sixth Floor
Chair: Vikram Dogra, MD
Panelists: Leslie Scoutt, MD, Mindy Horrow, and Rajmohan Paspulati, MD

Obstetric Imaging Film Panel
Broadway Ballroom North • Sixth Floor
Chair: Steven Warsof, MD
Panelists: Arthur Fleischer, MD, Lawrence Platt, MD, Lynn Simpson, MD

2:15 PM–3:45 PM
Categorical Courses

Seven concurrent in-depth courses presented by top experts in the field are conducted during this period.

Adnexal Masses: Distinguishing Benign From Malignant
Moderator: Arthur Fleischer, MD
Broadway Ballroom North • Sixth Floor

After this course, participants will be able to discuss and illustrate the accuracy and limitations of sonography, including morphologic assessment, color Doppler sonography, and 3-dimensional sonography, and contrast and understand the role of computed tomography and magnetic resonance imaging.

2:15 PM–2:30 PM  Sonographic Distinction of Benign Versus Malignant Adnexal Masses: Fundamental Concepts
Arthur Fleischer, MD

2:30 PM–2:50 PM  Vascularity Quantification
Ilan Timor-Tritsch, MD

2:50 PM–3:20 PM  Role of Computed Tomography in Assessing an Adnexal Mass
Oksana Baltarowich, MD

3:20 PM–3:40 PM  Magnetic Resonance Imaging of Adnexal Masses: Distinguishing Benign from Malignant
Diane Bergin, MD

3:40 PM–3:45 PM  Questions and Answers
Imaging of Abdominal Transplants
Moderator: John Blebea, MD
Astor Ballroom • Seventh Floor

The objective of this course is to review and examine ultrasound evaluations both before and after kidney and liver transplantation and the criteria for the diagnosis of organ dysfunction and transplant rejection.

2:15 PM – 2:30 PM  Preoperative Renal Transplant Arterial Evaluation
Deborah Rubens, MD

2:30 PM – 2:45 PM  Hepatic and Portal Vein Evaluation Before Transplantation
Monzer Abu-Yousef, MD

2:45 PM – 3:00 PM  Kidney and Liver Transplantation: The Surgical Perspective
Ari Cohen, MD

3:00 PM – 3:15 PM  Post-transplant Evaluation of the Kidney
Beverly Coleman, MD

3:15 PM – 3:30 PM  Postoperative Imaging of the Liver Transplant
Beatrice Madrazo, MD

3:30 PM – 3:45 PM  Questions and Answers

Peripheral Nerves
Moderator: Jon A. Jacobson, MD
Marquis Ballroom • Ninth Floor

At the conclusion of this course, participants will recognize common entrapment neuropathies, understand ilioinguinal and genitofemoral neuropathies, and recognize the ultrasound appearances of peripheral nerve sheath tumors.

2:15 PM – 2:35 PM  Upper Extremity Entrapment Neuropathies
Jon Jacobson, MD

2:35 PM – 2:55 PM  Lower Extremity Entrapment Neuropathies
Alberto Tagliafico, MD

2:55 PM – 3:15 PM  Ilioinguinal and Genitofemoral Neuropathies
Doohi Lee, MD

3:15 PM – 3:35 PM  Peripheral Nerve Tumors
Hong-Jen Chiou, MD

3:35 PM – 3:45 PM  Questions and Answers
Quantitative Ultrasound: Breast Imaging

**Moderators: James Zagzebski, PhD, and Tomy Varghese, PhD**

Shubert Complex • Sixth Floor

This course will present a synopsis of ultrasound-based parametric imaging techniques for quantitative imaging in breast tissue. Speakers will describe preclinical parametric imaging and analysis in animal models as well as application of attenuation- and backscatter-based methods to in vivo data. Additional scattering properties such as specularity (isolated), spacing (pairs or periodicities), and diffuse scattering derived from the generalized spectrum will be discussed. Modulus reconstruction techniques for linear and nonlinear elasticity imaging will also be presented. The course will conclude with a discussion of clinical breast ultrasound tomography.

2:15 PM–2:35 PM  Quantitative Ultrasound and Animal Models  
William O'Brien, Jr, PhD

2:35 PM–2:55 PM  Small-scale Structure Imaging and Classification in Complex Tissue With the Generalized Spectrum  
Kevin Donohue, PhD

2:55 PM–3:15 PM  Linear and Nonlinear Elasticity Imaging in the Breast  
Paul Barbone, PhD

3:15 PM–3:45 PM  The Spectrum of Clinical Breast Ultrasound Tomography  
Peter Littrup, MD

Sonographically Guided Procedures: “How to Do It”

**Moderator: Dean Nakamoto, MD**

Empire Complex • Seventh Floor

Following this course, participants will know the optimum ways to set up biopsies and avoid potential complications. The course will include hands-on instruction by experts in the field. Every participant will have opportunities to practice biopsies on phantoms using needles and needle guides with a variety of ultrasound machines. Techniques that can be applied to small parts (thyroid and lymph nodes), thoracic, and abdominal biopsies, including liver, renal, and deep abdominal and pelvic lesions, will be described.

2:15 PM–2:45 PM  Basic Principles of Ultrasound-Guided Biopsies  
Wendy Musson, RDMS, RVT

2:45 PM–3:45 PM  Hands-on Faculty  
Susan Ackerman, MD, Shweta Bhatt, MD, Wui Chong, FRCR, Corinne Deurdulian, MD, Vikram Dogra, MD, Mark Lockhart, MD, MPH, Wendy Musson, RDMS, RVT, Dean Nakamoto, MD, Deborah Rubens, MD, Cara Trigg-Roles, RDMS
Sonographic Evaluation of Dyspnea
Moderators: Michael Blaivas, MD, and Paul Mayo, MD
Gramercy/Olmstead • Seventh Floor

The objective of this course is to discuss the use of ultrasound in the evaluation of pulmonary edema, the use of ultrasound as part of a comprehensive clinical evaluation of patients with dyspnea, and the role of echocardiography in evaluation of patients with dyspnea.

2:15 PM–2:20 PM  Introduction
Michael Blaivas, MD

2:20 PM–2:45 PM  Ultrasound Evaluation of Venous Thromboembolic Disease as a Cause for Dyspnea
Michael Blaivas, MD

2:45 PM–3:10 PM  Pulmonary Causes of Dyspnea and Ultrasonographic Evaluation
Paul Mayo, MD

3:10 PM–3:35 PM  Echocardiographic Evaluation of Acute Cardiac Conditions Responsible for Dyspnea
Srikar Adhikari, MD

3:35 PM–3:45 PM  Questions and Answers

What Does the Normal Fetal Heart Look Like?
Moderator: Wesley Lee, MD
Broadway Ballroom South • Sixth Floor

The primary focus of this course is to assist practitioners in identifying common fetal heart abnormalities and review protocols for fetal heart evaluation and assessment to determine the type and severity of abnormalities.

2:15 PM–3:00 PM  Basic and Descriptive Fetal Cardiac Anatomy
Julia Drose, BA, RT, RDMS, RVT, RDCS

3:00 PM–3:45 PM  A Protocol Approach to Confirming Normal Fetal Cardiac Anatomy
Lami Yeo, MD

4:00 PM–5:30 PM  Gynecologic Ultrasound Community of Practice Meeting
Broadway Ballroom North • Sixth Floor
4:00 PM–5:30 PM

Scientific Sessions

Five concurrent sessions, each including 7 presentations on the latest ultrasound research, are offered during this period.

* indicates presenter; (CR) indicates Case Report.

- **Basic Science: Image Analysis**
  
  **Moderators: Ernest Madsen, PhD, and Chandra Sehgal, PhD**
  
  Gramercy/Olmstead • Seventh Floor

4:00 PM–4:12 PM

553820  **Can Ultrasound Be Used for the Assessment of Bone Quality?**
Ghorayeb, Sleiman R.

4:12 PM–4:24 PM

555120  **Noninvasive Imaging of Pulse Wave Propagation and Assessment of Wall Properties in Human Abdominal Aortas In Vivo**
Luo, Jianwen*; Lee, Wei-Ning; Wang, Shougang; Konofagou, Elisa E.

4:24 PM–4:36 PM

554856  **Phantoms for Assessing Intravascular Ultrasound Scanners**
Madsen, Ernest L.*; McCormick, Matthew; Madsen, Gary

4:36 PM–4:48 PM

555447  **Automated Artery Detection in Carotid Ultrasound Images Using Different Original Equipment Manufacturer Scanners**
Molinari, Filippo*; Liboni, William; Giustetto, Pierangelo; Badalamenti, Sergio; Suri, Jasjit S.

4:48 PM–5:00 PM

554540  **Characterization of Disease Within the Renal Artery Using Anatomically Realistic Flow Phantoms With Varying Degrees of Stenosis**
King, Deirdre M.*; Ring, Michael; Moran, Carmel M.; Hussey, Matthew; Browne, Jacinta E.

5:00 PM–5:12 PM

554196  **Ultrasonic Characterization of the Left and Right Sides of the Ventricular Septum**
Holland, Mark R.*; Krueger, Todd M.; Gibson, Allyson A.; Peterson, Linda R.; Schaffer, Jean E.; Bach, Richard G.; Cresci, Sharon; Miller, James G.

5:12 PM–5:24 PM

555142  **Automated Ultrasound Quality Control With Phantoms: A Comparison With Electronic Transducer Testing**
Boote, Evan J.
Obstetric Ultrasound: Brain
Moderators: Ilan Timor-Tritch, MD, and Seerat Aziz, MD
Astor Ballroom • Seventh Floor

4:00 PM–4:12 PM
534167 Fetal Cerebral Ventricular Pointing as a Marker of Spina Bifida: Incidence and Observational Agreement
Wax, Joseph*; Pinette, Michael; Michaud, Janet; Cartin, Angelina; Blackstone, Jacqulyn

4:12 PM–4:24 PM
554247 Three-Dimensional Inversion Rendering of First- and Early Second-Trimester Brain Ventricles in Fetuses With Holoprosencephaly
Timor-Tritsch, Ilan E.*; Monteagudo, Ana; Proudfit, Christine L.; Tsymbol, Tanya; Strok, Irina

4:24 PM–4:36 PM
554188 What Is the Significance of Echogenic Material in the Fetal Frontal Horns?
Hines, Neely L.*; Levine, Deborah

4:36 PM–4:46 PM
538042 Detection of Fetal Dural Sinus Thrombosis at the Torcular Herophili: Team Approach Consisting of Dedicated 2- and 3-Dimensional Neurosonography Complemented by Fetal Magnetic Resonance Imaging (CR)
Bornstein, Eran*; Milla, Sarah; Santos, Rosalba; Monteagudo, Ana; Timor-Tritsch, Ilan E.

4:46 PM–4:58 PM
554139 Imaging Spectrum of Fetal Dural Arteriovenous Malformations
Tygesen, Jaclyn K.*; Shah, Lubdha; Kennedy, Anne

4:58 PM–5:10 PM
555308 Prenatal Phenotype and Neonatal Presentation of Cardio-Facio-Cutaneous Syndrome
Tran, Susan*; Rauen, Katherine

5:10 PM–5:20 PM
537881 Diagnostic and Prognostic Aspects in the Sonographic Evaluation of a Fetus With an Oral Mass (CR)
Bornstein, Eran*; Boozarjomehri, Fereshteh; Santos, Rosalba; Monteagudo, Ana; Milla, Sarah; Timor-Tritsch, Ilan E.
Obstetric Ultrasound: General

Moderators: Luc De Catte, MD, PhD, and Kristen McKinney, MD

Marquis Ballroom • Ninth Floor

4:00 PM–4:12 PM
551966 A Case-Control Study to Determine the Effect of Prenatal Exposure to Highly Active Antiretroviral Therapy on Fetal Thymic Development
DeLeon, Juan; Gamez, Francisco; McCollough, Deirdre; Pintado, Pilar; Antolin, Eugenia; Perez, Ricardo; Ortiz-Quintana, Luis; Genc, Mehmet; Santolaya-Forgas, Joaquin

4:12 PM–4:24 PM
555346 Pregnancy Outcome After Intrauterine Transfusion in Fetuses With Severe Hydrops Caused by Parvovirus B19 Infection
De Catte, Luc*; De Becker, Ben; Devlieger, Roland; Hindryckx, An; Lannoo, Lore

4:24 PM–4:36 PM
555278 Genetic Sonogram Impacted the Use of Amniocentesis Among Women Diagnosed With a Trisomy 21 Fetus Who Declined Amniocentesis After Genetic Counseling
Benoit, Richard M.*; Polanco, Bardo; DeVore, Gregory R.

4:36 PM–4:48 PM
555226 Midtrimester Genetic Amniocentesis Versus First-Trimester Chorionic Villus Sampling in a Large Private Practice: Are the Complication Rates the Same?
Carrers, Michael; Martin, Dibe*; Gomez, Jorge; Jensen, Lars P.; Lai, Anthony; Vidal, Ana; Carreras, Jason

4:48 PM–4:58 PM
555056 Multi-Imaging Approach to the Management of Abdominal Pregnancy at Term (CR)
Gonzalez, Elizabeth; Flick, Amy; Marimon, Adrian*; Gonzalez-Quintero, Victor H.

4:58 PM–5:08 PM
555121 Ultrasound Characteristics of Hyperreactio Luteinalis Causing Intractable Adnexal Pain in a Singleton Pregnancy (CR)
Rivera, Pablo R.*; Beeson, James H.

5:08 PM–5:20 PM
534172 Second-Trimester Genetic Ultrasound After First-Trimester Combined Screening for Trisomy 21
Wax, Joseph*; Pinette, Michael; Cartin, Angelina; Blackstone, Jacqelyn

5:20 PM–5:32 PM
554546 Relationship Between Change in Cervical Length During the Second Trimester and Delivery Prior to 32 and 34 Weeks’ Gestation in Twin Pregnancies
Ehsanipoor, Robert M.*; Haydon, Michael; Jolley, Jennifer; Lyons Gaffaney, Cecilia; Lagrew, David
Obstetric Ultrasound: Multiple Gestations
Moderators: David Schrimmer, MD, and Gina James, RDMS
Broadway Ballroom South • Sixth Floor

4:00 PM–4:10 PM
554922 Multi-Imaging Approach to the Management of Conjoined Twins (CR)
Echavarria, Lina*; Cruz-Pachano, Francisco E.; Osit, Jill; Gonzalez-Quintero, Victor H.

4:10 PM–4:22 PM
555327 Intracranial Abnormalities Visualized on Fetal Imaging in Surviving Monochorionic Cotwins Following Fetal Ablation Procedures
Jelin, Angie C.*; Rand, Larry; Lee, Hanmin; Goldstein, Ruth B.; Jelin, Eric; Feldstein, Vickie; Glenn, Orit

4:22 PM–4:34 PM
555339 Conservative Management of Patients With Twin Reversed Arterial Perfusion
Jelin, Eric*; Rand, Larry; Curran, Patrick F.; Jelin, Angie C.; Hirose, Shinjiro; Feldstein, Vickie; Goldstein, Ruth B.; Lee, Hanmin

4:34 PM–4:46 PM
554310 Diffusion Magnetic Resonance Imaging Findings in Monochorionic Twin Pregnancies After Intrauterine Fetal Death
Hoffman, Chen*; Weisz, Boaz; Gindes, Liat; Chayen, Benjamin; Achiron, Reuven; Lipitz, Shlomo

4:46 PM–4:56 PM
556436 Idiopathic Spontaneous Uterine Rupture in a Second-Trimester Triplet Gestation (CR)
West, Andrew G.; Davis, Katrina R.; Angtuaco, Teresita L.*

4:56 PM–5:08 PM
564149 Decreased Middle Cerebral Artery Pulsatility Index as an Indicator for the Need of Emergent Intervention in Twin-Twin Transfusion Syndrome
Papanna, Ramesha*; Molina, Saulo; Breaux, Ashley M.; Moise, Kenneth J.; Johnson, Anthony

5:08 PM–5:18 PM
541461 Twin Gestation With a Coexistent Normal Fetus and a Complete Hydatidiform Mole (CR)
Vettraino, Ivana M.*; Beran, Margaret; Roche, Frederico
Obstetric Ultrasound: Placenta

Moderators: Eugene Toy, MD, and Diana McCormick Strickland, BSBA, RDMS, RDCS
Soho/Herald • Seventh Floor

4:00 PM–4:12 PM
554788 How Good Are Ultrasound and Magnetic Resonance Imaging for the Diagnosis of Placenta Accreta?
Esakoff, Tania F.*; Sparks, Teresa N.; Poder, Liina; Kaimal, Anjali J.; Kim, Lena; Goldstein, Ruth B.; Cheng, Yvonne W.; Feldstein, Vickie; Caughey, Aaron B.

4:12 PM–4:24 PM
566271 Is the Antepartum Finding of a Low-Lying Placenta Associated With Postpartum Uterine Infection?
Toy, Eugene C.*; Fernandez, Laura P.; Kaplan, Alan L.

4:24 PM–4:36 PM
555463 Confirmation of Persistent Placenta Previa in the Third Trimester
Reddick, Keisha L. B.*; Beiswenger, Timothy; Swamy, Geeta K.; Boyd, Brita K.; Sinclair, Tammy; Heine, R. P.; Murtha, Amy P.

4:36 PM–4:48 PM
551589 Volumetric Analysis of the Early Placenta May Predict Future Development of the Chorionic Plate Vasculature at Term
Schwartz, Nadav*; Coletta, Jaclyn; Newman, Danielle; Sottile, Mathew; Timor-Tritsch, Ilan E.; Salafia, Carolyn

4:48 PM–4:58 PM
551373 Antenatal Ultrasonographic Diagnosis of Invasive Placentaion (CR)
Heyl, Peter S.*; Horton, Sharon; Tice, Kathy; Alley, Deborah

4:58 PM–5:10 PM
554514 Placental Accessory Lobes and Adverse Pregnancy Outcomes
Stine, Michael*; Stine, Jessica; Romaguera, Rita; Gonzalez-Quintero, Victor H.

5:10 PM–5:22 PM
555010 Clinical Implications of Prenatally Diagnosed Marginal Placental Cord Insertion
Carbone, Jeanine*; Feldman, Deborah; Lazarus, Sasha; Borgida, Adam

4:00 PM–5:30 PM
Special Focus Session

Advanced Sonography Practice: Where Do We Go From Here?
Chair: Eric Meaders, MAED, DMS, RVT
Shubert Complex • Sixth Floor
The AIUM would like to thank the following companies for their continued support of the 2009 AIUM Annual Convention and the ultrasound industry.

- COOK MEDICAL
- GE
- MEDISON
- PHILIPS
- SIEMENS
- SonoSite
- Texas Children's Fetal Center
- TOSHIBA
- ZONARE
Saturday, April 4

Convention

Schedule at a Glance

6:00 AM–4:30 PM    Registration Open
6:45 AM–7:45 AM    Meet-the-Professor Sessions
8:00 AM–10:00 AM   Clinical Standards Committee Meeting
8:00 AM–9:00 AM    Therapeutic Ultrasound Interest Group Meeting
8:00 AM–9:30 AM    Categorical Courses
8:00 AM–12:30 PM   Resident/Medical Student Course
9:30 AM–10:30 AM   Refreshment Break in the Exhibit Hall
9:30 AM–10:30 AM   Community of Practice Meetings
8:00 AM–12:00 PM   Scientific Sessions
10:30 AM–12:00 PM  New Investigator Session
10:30 AM–12:00 PM  Community of Practice Meetings
12:15 PM–1:15 PM   Meet-the-Professor Sessions
12:15 PM–1:15 PM   Scientific Poster Discussion
12:15 PM–1:15 PM   Lunch in the Exhibit Hall
12:15 PM–1:15 PM   Presidential Advisory Council Meeting
12:15 PM–1:15 PM   Sharing the Wealth: Status Report
1:30 PM–2:30 PM    Contrast Interest Group Meeting
1:30 PM–2:30 PM    Postgraduate Course Committee Meeting
1:30 PM–3:30 PM    Categorical Courses
3:30 PM–4:30 PM    Refreshment Break in the Exhibit Hall
3:30 PM–4:30 PM    Community of Practice Meetings
4:30 PM–5:30 PM    Scientific Sessions
4:30 PM–5:30 PM    Special Focus Session
4:30 PM–5:30 PM    Quick Take Sessions
7:00 PM–11:00 PM   Leadership Banquet (by invitation only)

Visit www.aium2009.org for daily convention blogs, pictures, video clips, Community of Practice news, and more!
Meet-the-Professor Sessions

Four concurrent Meet-the-Professor sessions (MTPs) are offered at this time. The MTPs must be paid for separately. Visit the registration desk to register for any MTPs that are not sold out.

SATA1  Thoracic Emergencies in Critical Care
Christopher Moore, MD
Ziegfeld • Fourth Floor

The objective of this session is to discuss ultrasound as part of a comprehensive evaluation of chest trauma in the emergency department, to discuss and compare the utility of transthoracic echocardiography and transesophageal echocardiography in the evaluation of possible thoracic dissection, and to discuss the sensitivity of ultrasound in the detection of pleural fluid in comparison to chest radiography.

SATA2  Renal Doppler Ultrasound: What It’s Good For, What It’s Not
Mark Lockhart, MD, MPH
Wilder • Fourth Floor

This session will describe and discuss the application of renal Doppler ultrasound in native and transplanted kidneys. The strengths and limitations of the technique will also be addressed.

SATA3  Sonography in Acute Pelvic Pain
Rochelle Andreotti, MD
O’Neill • Fourth Floor

This session will help participants become familiar with the sonographic and computed tomographic findings that may be used to differentiate medically managed etiologies of acute pelvic pain from ovarian torsion, a surgical emergency, with the understanding that sonography is the imaging method of choice.

SATA4  Cervical Assessment: Evidence Based
Michael House, MD
Odets • Fourth Floor

The objective of this session is to discuss cervical assessment with regard to sonographic evaluation and preterm delivery.

New Professional Interest Group Meeting

Therapeutic Ultrasound
Duffy • Seventh Floor
### Resident/Medical Student Course

**High-Quality Ultrasound Exams: How to Acquire Them**

**Moderator:** Peter H. Arger, MD, Emeritus Professor of Radiology, University of Pennsylvania

**Music Box • Sixth Floor**

This course will demonstrate the relationship between the clinical evaluation, physics, and instrument controls in various subspecialty areas of ultrasound. After a lecture in ultrasound physics, course faculty will illustrate the use of ultrasound in obstetrics/gynecology, abdomen, thyroid and carotid, and vascular imaging. On completion of this course, participants will appreciate the importance of image quality to diagnostic value. Participants will recognize the effects of improper machine settings on images, and they will understand how to adjust instrument knobs for optimal image quality.

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
</tr>
</thead>
</table>
| 8:00 AM–8:45 AM | Physics                              | Chandra M. Sehgal, PhD  
Research Professor of Radiology  
Director, Ultrasound Research Service Center  
University of Pennsylvania |
| 8:45 AM–9:15 AM | Machine Controls                     | Susan Schultz, RDMS  
Research Sonographer  
University of Pennsylvania |
| 9:15 AM–10:00 AM | Thyroid and Carotid Ultrasound      | Edward Bluth, MD  
Chairman Emeritus, Ochsner Health System  
Tulane University School of Medicine |
| 10:15 AM–11:00 AM | Obstetrics/Gynecology              | France Galerneau, MD  
Associate Professor  
Yale University |
| 11:00 AM–11:45 AM | Abdomen                              | Franklin Tessler, MD, CM  
Professor of Radiology  
Director, Abdominal Imaging, Radiology  
University of Alabama at Birmingham |
| 11:45 AM–12:15 PM | Vascular Imaging                    | Suzanne BeBari Iyoob, BS, RVT, RDMS  
Chief Vascular Sonographer  
Hospital of the University of Pennsylvania |
| 12:15 PM–12:30 PM | Questions and Answers               |                                                                                                       |
| 12:30 PM     | Visit the AIUM Exhibit Hall and attend educational sessions of your choice. |                                                                                                       |
Eight concurrent in-depth courses presented by top experts in the field are conducted during this period.

**Evolving Role of the Sonographer: Including Repetitive Stress Injuries**

**Moderators: James Pennington, RDMS, and Audrey Fleming, RDMS, RVS**

Shubert Complex • Sixth Floor

The objective of this course is to discuss the future growth potential for the sonographer in the role of a physician extender and to perform reconstruction of volume rendering as well as the additional education or training that will be required. Part of this course will also discuss scanning ergonomics to prevent and reduce repetitive stress injuries (RSIs) and how these potential new roles may help address the needs of sonographers with RSIs to allow them to continue to work in the field.

8:00 AM–8:05 AM  Introduction  
M. Robert De Jong, RDMS, RVT

8:05 AM–8:30 AM  Advances in Ultrasound: How They Aid Sonographers in the Field of Obstetric and Gynecologic Ultrasound, and Will They Help Reduce Repetitive Stress Injuries for Sonographers?  
Amie Healey, BS, RDMS

8:30 AM–8:55 AM  The Taboo Subject: What Has Really Happened With the Role of the Sonographer? Are We Really Partners?  
James Pennington, RDMS

8:55 AM–9:20 AM  The Sonographer and Repetitive Stress Injury  
Eric Meaders, EdS, RDMS, RVT

9:20 AM–9:30 AM  Questions and Answers

**Moving Beyond the Normal Fetal Heart**

**Moderator: Wesley Lee, MD**

Broadway Ballroom South • Sixth Floor

The primary focus of this course is to assist practitioners in identifying common fetal heart abnormalities and review protocols for fetal heart evaluation and assessment to determine the type and severity of abnormalities.

8:00 AM–8:30 AM  Fetal Cardiac Lesions: Etiology and Morphology  
Wesley Lee, MD

8:30 AM–9:00 AM  A Protocol Approach to Diagnosing First-Trimester Fetal Cardiac Defects  
Liat Gindes, MD

9:00 AM–9:30 AM  A Protocol Approach to Diagnosing Second-Trimester Fetal Cardiac Defects  
Miwa Geiger, MD
Peripheral Nerve Ultrasound
Moderator: David P. Fessell, MD
Empire Complex • Seventh Floor

At the conclusion of this course, participants will be able to identify normal peripheral nerves, be familiar with common nerve entrapment sites in the upper extremity, and be familiar with common nerve entrapment sites in the lower extremity.

Hands-on Faculty
Natalie Bureau, MD
Hong-Jen Chiou, MD
Anna Ciechomska, MD, PhD
David Fessell, MD
Diana Gaitini, MD
Jon Jacobson, MD
Doohi Lee, MD
Levon Nazarian, MD

Brian L. Robertson, AAS, RDMS
Greg Saboeiro, MD
Jay Smith, MD
Carolyn Sofka, MD
Alberto Tagliafico, MD
Ralf Thiele, MD
Marnix van Holsbeeck, MD

Regulatory and Safety Issues With Ultrasound Contrast Agents
Moderators: Keith Wear, PhD, and Anne Hall, PhD
Astor Ballroom • Seventh Floor

This course will present a brief history and current status of US Food and Drug Administration (FDA) regulation of ultrasound contrast agents. An ongoing collaboration between the AIUM and FDA to design and implement a clinical trial to establish safety and efficacy of ultrasound contrast agents will be discussed. Risks and benefits of ultrasound contrast agents will be discussed.

8:00 AM–8:15 AM  Ultrasound Contrast Agents: Drugs or Devices?
Keith Wear, PhD

8:15 AM–8:30 AM  Food and Drug Administration Perspective on Ultrasound Contrast Agents
Ira Krefting, MD

8:30 AM–8:45 AM  The AIUM/Food and Drug Administration Effort to Design and Implement a Clinical Trial to Establish Safety and Efficiency of Ultrasound Contrast Agents
J. Brian Fowlkes, PhD

8:45 AM–9:00 AM  Bioeffects of Ultrasound Contrast Agents
Diane Dalecki, PhD

9:00 AM–9:15 AM  Risks and Benefits of Ultrasound Contrast Agents in Cardiology
Steven Feinstein, MD

9:15 AM–9:30 AM  Questions and Answers
Spine and Brain Anomalies in the Fetus and Newborn
Moderator: Judy Estroff, MD
Gramercy/Olmstead • Seventh Floor
Participants will learn about sonography of fetal brain and spine anomalies and their postnatal outcomes. In addition, participants will learn the indications for newborn spinal sonography as well as when and how to do it.

8:00 AM–8:30 AM Fetal Central Nervous System Anomalies With Postnatal Correlation
Judy Estroff, MD

8:30 AM–9:00 AM Fetal Spinal Anomalies With Postnatal Correlation
Dorothy Bulas, MD

9:00 AM–9:30 AM Pediatric Head and Spine, or Neuroimaging Across a Live Border
Michael DiPietro, MD

Three-Dimensional Ultrasound in Obstetrics: Face, Skeleton, and Brain
Moderators: Dolores Pretorius, MD, and Deborah D’Agostini, RDMS
Broadway Ballroom North • Sixth Floor
Following this course, participants will be able to describe clinical applications and demonstrate how to manipulate 3-dimensional volumes of the fetal face, skeleton, and brain.

8:00 AM–8:30 AM Three-Dimensional Ultrasound of the Fetal Face
Dolores Pretorius, MD, and Lorene Romine, MD

8:30 AM–9:00 AM Three-Dimensional Ultrasound of the Fetal Skeleton
Liat Gindes, MD, and Reuven Achiron, MD

9:00 AM–9:30 AM Three-Dimensional Neurosonography
Ilan Timor-Tritsch, MD, and Eran Bornstein, MD

Transplant Imaging
Moderator: Shwetta Bhatt, MD
Soho/Herald • Seventh Floor
Abdominal organ transplants are increasing in number. Ultrasound plays a key role for imaging of abdominal transplants because it provides critical information while having no adverse effects and is easy to perform at the bedside. The goal of this course is to familiarize the participant with sonographic techniques for evaluating patients with liver, kidney, and pancreas transplants. The roles of Doppler imaging, ultrasound guidance for organ biopsy, and contrast media will be discussed.
### Venous Thrombosis

**Moderator: M. Robert De Jong, RDMS, RVT**  
Marquis Ballroom • Ninth Floor

By the end of this course, participants will have a basic understanding of the role of sonography in the diagnosis of venous disease in the lower extremity. Lectures will discuss how to diagnose and recognize deep venous thrombosis, venous insufficiency and reflux, and nonvascular pathology that may be the cause of leg swelling or pain.

<table>
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<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tr>
<td>8:00 AM–8:15 AM</td>
<td>Lower Extremity Deep Venous Thrombosis</td>
<td>M. Robert De Jong, RDMS, RVT</td>
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<tr>
<td>8:15 AM–8:30 AM</td>
<td>Acute Deep Venous Thrombosis Lysis and Inferior Vena Cava Filter</td>
<td>Evan Unger, MD</td>
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<td>8:30 AM–8:45 AM</td>
<td>Chronic Insufficiency and Reflux</td>
<td>Leslie Scoutt, MD</td>
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<td>8:45 AM–9:00 AM</td>
<td>Treatment of Venous Reflux</td>
<td>John Blebea, MD</td>
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<td>9:00 AM–9:15 AM</td>
<td>Other Pathologies of the Swollen Leg</td>
<td>Ulrike Hamper, MD</td>
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<tr>
<td>9:15 AM–9:30 AM</td>
<td>Questions and Answers</td>
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**9:30 AM–10:30 AM**  
**Refreshment Break in the Exhibit Hall**  
Westside Ballroom • Fifth Floor

**9:30 AM–10:30 AM**  
**Community of Practice Meetings**

- **Basic Science and Instrumentation**  
  Astor Ballroom • Seventh Floor

- **Cardiovascular Ultrasound**  
  Marquis Ballroom • Ninth Floor

- **Interventional/Intraoperative Ultrasound**  
  Soho/Herald • Seventh Floor

- **Practice of Sonography**  
  Shubert Complex • Sixth Floor
10:30 AM–12:00 PM

Scientific Sessions

Nine concurrent sessions, each including up to 8 presentations on the latest ultrasound research, are offered during this period. * indicates presenter; (CR) indicates Case Report.

- Basic Science: Bioeffects
  
  Moderators: Flemming Forsberg, PhD, and Gregory Czarnota, PhD, MD
  Soho/Herald • Seventh Floor

10:30 AM–10:42 AM
563858  Treatment Of VX2 Tumors In Vivo Using Miniaturized Image Ablate Arrays
  Mast, T. Douglas*; Barthe, Peter G.; Makin, Inder Raj S.; Slayton, Michael H.; Karunakaran, Chandra P.; Alqadah, Amel F.; Burgess, Mark T.; Buell, Joseph F.; Rudich, Steven M.

10:42 AM–10:54 AM
554583  Bioluminescence Imaging of Inflammation Associated With Definity in a Novel Animal Model: Preliminary Results
  Hoyt, Kenneth*; Warram, Jason; Zinn, Kurt R.

10:54 AM–11:06 AM
555197  Toxicology Study of Surfactant-Stabilized Ultrasound Contrast Agents in Adult Rats
  Forsberg, Flemming*; Liu, Ji-Bin; Patel, Mihir; Liu, Liping; Lin, Ling; Solis, Car; Wheatley, Margaret A.

11:06 AM–11:18 AM
554749  The Role of Microstreaming in Ultrasound-Enhanced Thrombolysis
  Hafez, Zachary T.*; Fish, Raymond M.; O’Brien, William D. Jr

11:18 AM–11:30 AM
554713  Development of a Theoretical Model to Describe Sonoporation Caused by Shear Stress Due to Microstreaming From an Oscillating Ultrasound Contrast Agent
  Forbes, Monica M.*; O’Brien, William D. Jr

11:30 AM–11:42 AM
555018  Microbubble and Ultrasound Enhancement of Radiation-Induced Tumor Cell Death In Vivo
  Czarnota, Gregory J.*; Karshafian, Raffi; Giles, Anoja; Banihashemi, Behzad; Lee, Justin; Burns, Peter; Wong, Shun

11:42 AM–11:54 AM
555515  Conventional Frequency Evaluation of Tumor Cell Death in Response to Treatment In Vivo
  Papanicolau, Naum*; Banihashemi, Behzad; Czarnota, Gregory J.; Kolios, Michael; Sadeghian, Alireza
10:30 AM–10:42 AM  
555275  In Vivo Electrode Displacement Elastography for Thermally Ablated Lesions  
Bharat, Shyam*; Jiang, Jingfeng; Varghese, Tomy; Brace, Christopher; Sampson, Lisa; Zagzebski, James

10:42 AM–10:54 AM  
554506  Ultrasonic Imaging of Brachytherapy Seeds for Dosimetry Correction in the Operating Room  
Alam, S. Kaisar*; Mamou, Jonathan; Feleppa, Ernest J.; Kalisz, Andrew; Ramachandran, Sarayu; Ennis, Ronald D.

10:54 AM–11:06 AM  
554414  An Improved Strategy for Real-time Needle Segmentation During Ultrasound-Guided Prostate Biopsy  
Wei, Liyang; Suri, Jasjit S.*

11:06 AM–11:18 AM  
555258  Radio Frequency Electrode Vibration-Induced Shear Wave Imaging for Tissue Modulus Estimation  
Bharat, Shyam*; Varghese, Tomy; Dewall, Ryan

11:18 AM–11:30 AM  
555217  Eigen's Automated and Fast Prostate Gland Segmentation Using Philips End Fire Transrectal Ultrasound for 3-Dimensional Prostate Biopsy: Artemis  
Li, Lu*; Shinohara, Katsuto; Barqawi, Al; Crawford, David E.; Simoneau, Anne R.; Suri, Jasjit S.

11:30 AM–11:42 AM  
554545  Multistep Hybrid 2-Dimensional Strain Imaging Algorithm for Ultrasound Sector/Phased Array Data Formats  
Chen, Hao*; Varghese, Tomy

11:42 AM–11:54 AM  
555022  The Streak Artifact in Transcranial Ultrasound Imaging  
Vignon, Francois*; Shi, William T.; Yin, Xiangtao; Hoelscher, Thilo; Powers, Jeff
**Basic Science: Instrumentation Strain**

**Moderators: Sheikh Kaisar Alam, PhD, and Kathryn Nightingale, PhD**

Gramercy/Olmstead • Seventh Floor

10:30 AM–10:42 AM

555499 Three-Dimensional Strain Imaging and Correlation Analysis

Rao, Min; Varghese, Tomy*; Zagzebski, James

10:42 AM–10:54 AM

550334 Use of Elastography in Superficial Soft Tissue Infection

Gaspari, Romolo*; Blehar, David J.; Mendoza, Michelle; Moon, Cindy; Polan, David; Montoya, Anthony

10:54 AM–11:06 AM

554458 Improving Hepatic Shear Stiffness Reconstructions Using Iterative Lateral Time-to-Peak Algorithms

Wang, Michael; Palmeri, Mark*; Rouze, Ned; Zhai, Liang; Abdelmalek, Manal; Guy, Cynthia; Diehl, Anna M.; Nightingale, Kathryn R.

11:06 AM–11:18 AM

555040 Three-Dimensional Cardiac Mechanics and Acoustic Model for Strain Imaging

Chen, Hao*; Varghese, Tomy

11:18 AM–11:30 AM

555015 Acoustic Radiation Force Impulse Imaging of Prostate Cancer: Initial In Vivo and Ex Vivo Results

Zhai, Liang; Polascik, Thomas; Mouraviév, Vladimir; Palmeri, Mark; Madden, John; Nightingale, Kathryn R.*

11:30 AM–11:42 AM

554651 Axial Shear Strain Imaging for Differentiating Breast Masses

Rao, Min; Xu, Haiyan; Varghese, Tomy*; Baker, Sara; Sommer, Amy; Hall, Timothy J.; Sisney, Gale A.; Burnside, Elizabeth S.; Herd, Maria-Teresa

11:42 AM–11:54 AM

554461 Improving Guidance of Regional Anesthesia Procedures Using Acoustic Radiation Force Impulse Imaging

Palmeri, Mark*; Dahl, Jeremy; Stuart, Grant; MacLeod, David; Nightingale, Kathryn R.
Breast Ultrasound

Moderators: Stamatia Destounis, MD, and Abid Irshad, MD

Ziegfeld • Fourth Floor

10:30 AM–10:42 AM
554518 Feasibility of Contrast-Enhanced Ultrasound to Evaluate the Neoadjuvant Response in Breast Cancer
Umphrey, Heidi R.*; Lockhart, Mark E.; Hoyt, Kenneth; Robbin, Michelle

10:42 AM–10:54 AM
554342 Observer Agreement of Description and Assessment of Lesions in Breast Sonography
Andre, Michael; Mantrawadi, Laxmi; Galperin, Michael; O’Boyle, Mary*; Olson, Linda; Comstock, Christopher E.; Ojeda-Fournier, Haydee; Richman, Katherine

10:54 AM–11:06 AM
555271 Time-Efficient Mass Localization on Automated Breast Ultrasound With Dual-Modality Information
Sinha, Sumedha P.*; Roubidoux, Marilyn A.; Goodsitt, Mitchell M.; Hadjiyski, Lubomir M.; Thomenius, Káï E.; Carson, Paul L.

11:06 AM–11:18 AM
555374 Comparing Cumulative Maximum-Intensity Image-Processing Techniques for Subharmonic Breast Imaging
Dave, Jaydev K.*; Forsberg, Flemming; Fernandes, Savitha; Piccoli, Catherine W.; Fox, Traci B.; Merton, Daniel A.; Leodore, Lauren M.; Hall, Anne

11:18 AM–11:30 AM
553892 Mammary Tumor Classification Using Envelope Statistics From Ultrasound Backscatter and the Homodyned k Distribution
Hruska, David P.*; O’Brien, William D. Jr; Oelze, Michael

11:30 AM–11:42 AM
560054 Preliminary Reader Evaluation of a 3-Dimensional Combined Breast X-ray Tomosynthesis Automated Ultrasound Imaging Device
LeCarpentier, Gerald*; Roubidoux, Marilyn A.; Sinha, Sumedha P.; Hadjiyski, Lubomir M.; Chan, Heang-Ping; Goodsitt, Mitchell M.; Carson, Paul L.

11:42 AM–11:54 AM
555112 Correlation of Mean Values of the Resistivity Index With Age, Menopausal Status, and Mammographic Pattern in a Normal Breast
Turgut, Ahmet T.*; Turan, Ceyda; Yigit, Hasan; Kosar, Pinar; Kosar, Ugur; Dogra, Vikram
Emergency and Critical Care Ultrasound
Moderators: Michael Blaivas, MD, RDMS, and David P. Bahner, MD, RDMS
Majestic • Sixth Floor

10:30 AM–10:42 AM
520986 Presence of Sonographic Lung Rockets Predicts B-Type Natriuretic Peptide Level
Manson, William*; Bonz, James W.; Carmody, Kristin; Osborne, Michael; Moore, Christopher

10:42 AM–10:54 AM
554928 Ultrasound Lung Comets and Brain Natriuretic Peptide in Acute Dyspnea
Nelson, Bret*; Parekh, Sohan; Hermann, Luke; Chow, Evelyn; O'Rourke, Maria; Razzouk, Louai; Duvall, Lane

10:54 AM–11:06 AM
555223 Validation of a New External Anatomic Landmark on Visualization of Target Organs During the Focused Assessment With Sonography for Trauma Examination
Shokoohi, Hamid*; Boniface, Keith; Seigel, Audra

11:06 AM–11:18 AM
553587 An Embedded Virtual Visualization System for Adjunctive Training in Performing a Focused Assessment With Sonography for Trauma Examination
Garon, Howard M.*; Hoffmann, Beatrice; Rottem, Shraga

11:18 AM–11:30 AM
555355 Evaluation of a Quality Assurance Process for Focused Assessment With Sonography for Trauma Examinations
Hoppenfeld, Tyler; Murray, Alice F.; Marill, Keith; Liteplo, Andrew; Noble, Vicki E.*

11:30 AM–11:42 AM
554052 Correlation of the Respiratory Variation of the Inferior Vena Cava Diameter With Central Venous Pressure in Patients With Septic Shock
Blehar, David J.*; Gaspari, Romolo; Kang, Tarina; Mullen, Marie

11:42 AM–11:54 AM
555316 Focused Assessment With Sonography for Trauma at a Level 1 Trauma Center
Murray, Alice F.*; Hoppenfeld, Tyler; Marill, Keith; Liteplo, Andrew; Noble, Vicki E.
Gynecologic Ultrasound: Uterus
Moderators: Arthur Fleischer, MD, and Jill Herzog, BS, RT(R), RDMS, RVT
Astor Ballroom • Seventh Floor

10:30 AM–10:42 AM
555848 Imaging Women With Acute Abdominal Pain: Diagnostic Performance of Pelvic Ultrasonography and Computed Tomography
Stein, Marjorie W.*; Levsky, Jeffrey M.; Khalef, Victoria; Zaidi, Farhan; Rozenblit, Alla

10:42 AM–10:54 AM
565754 Relationship Between Uterine Circulation and Serum Hormone Levels During the Implantation Period
Detti, Laura*; Yoscovits, Michelle R.; Kruger, Michael L.; Diamond, Michael P.

10:54 AM–11:06 AM
555219 Sonohysterography: The Utility of Diagnostic Criteria Sets
Bhaduri, Mousumi*; Glanc, Phyllis; Khalifa, Mahmoud; Tomlinson, George

11:06 AM–11:18 AM
555085 Comparison of Fundal Endometrial Diameters Using 3-Dimensional Rendering for Those With Embedded and Nonembedded Intrauterine Devices
Shipp, Thomas D.*; Bromley, Bryann; Benacerraf, Beryl R.

11:18 AM–11:30 AM
512015 Fibrotic Endometriosis: Endovaginal Ultrasound and Magnetic Resonance Imaging Correlation
Gelaw, Bethlehem*; Coleman, Beverly G.; Rowling, Susan; Siegelman, Evan S.; Torigian, Drew A.; Langer, Jill E.

11:30 AM–11:42 AM
565821 A Myomectomy Performed at the Time of Cesarean Section Complicated by Postoperative Pelvic Abscess Formation, an Abdominoutero Fistula, and a Subsequent First-Trimester Miscarriage Treated With a Hysterectomy (CR)
Singer, Tomer*; Barnhard, Yoni; Johnson, Lisa; Ng, Patty; Divon, Michael
Head and Neck Ultrasound
Moderators: Wendy Musson, MD, and Corinne Deurdulian, MD
Odets • Fourth Floor

10:30 AM–10:42 AM
554261 Maximum Systolic Velocity of the Inferior Thyroid Artery and Thyroideal Color Doppler Flow Pattern in Hypothyroid Subjects Before and After Treatment
Turgut, Ahmet T.*; Cakal, Erman; Kosar, Ugur; Kosar, Pinar; Demirbas, Berrin; Aral, Yalcin

10:42 AM–11:54 AM
555384 Imaging Thyroid Nodules With Gray Scale Ultrasound, Color Doppler, and Elastography: A Comparative Study
Feld, Rick*; Forsberg, Flemming; Fukunari, Nobuhiro; Tanaka, Kumi; Merton, Daniel A.; Yucel, Cem

11:54 AM–11:06 AM
546507 New Approach to the Differential Diagnosis of Thyroid Follicular Tumors With Elastography
Fukunari, Nobuhiro*; Arai, Kazushige; Nakamura, Akio; Yamazaki, Tomomi; Sakaue, Satoshi

11:06 AM–11:18 AM
558035 Subcentimeter Thyroid Nodules: Importance of Sonographic Characterization and Ultrasound-Guided Needle Biopsy
Nikolaidis, Paul*; Sharma, Arjun; Hammond, Nancy; Nemcek, Al; Gabriel, Helena

11:18 AM–11:30 AM
555090 Comparison of Bedside Ultrasound and Panorex Radiography in the Diagnosis of a Dental Abscess in the Emergency Department
Adhikari, Srikar*; Blaivas, Michael
Practice of Sonography

Moderators: Diana McCormick Strickland, BSBA, RDMS, RDCS, and Eric Meaders, EdS, RDMS, RVT

O’Neill • Fourth Floor

10:30 AM–10:42 AM
564341 Development of Low-Cost Real-time Satellite Teleultrasound: A Transoceanic Pilot Trial
Harris, Robert*; McGrath, Susan; Pyke, Joshua; Carney, Tom

10:42 AM–10:54 AM
534435 Knowledge Base of Residents and Fellows Regarding Current Recommendations for Ultrasound Probe Cleaning
Heaps, Brian R.*; Cormier, Clint; Mastrobattista, Joan M.

10:54 AM–11:06 AM
555547 Does Keepsake Ultrasound Contribute to Low Female-Male Birth Sex Ratios in California?
Lin, G. Sharat

11:06 AM–11:18 AM
544429 Behavioral Analysis of Congenital Cardiopathy Diagnosis in Matanzas Province, Cuba: A 17-Year Study (1990–2007)
González Font, Antonio E.*; De la Paz Muñiz, Pedro; Arzola Plascencia, Hilda M.

11:18 AM–11:30 AM
555568 Optimizing Ultrasound Phantom Design
Althoff, Seth O.*; Sudhir, Amita; Woods, William A.

11:30 AM–11:42 AM
549047 Two Options for Tele-Echography: (1) a Robotic Arm and Integrated Services Digital Network or Satellite Lines and (2) a Volumic Echographic Capture System and the Internet (Fetal and Abdominal Application)
Arbeille, Philippe L.

11:42 AM–11:54 AM
556428 The Impact of Introducing Cine Clips in Routine Ultrasound Protocols
Bragg, Ashley C.*; Angtuaco, Teresita L.

11:54 AM–12:06 PM
554536 Emergency Medicine Residents’ Attitudes Regarding Ultrasound-Guided Central Venous Catheterization
Adhikari, Srikar*; Raio, Christopher; Morrison, Daniel; Tsung, Jim; Theodoro, Dan; Leech, Steve; Meer, Jehangir; Lyon, Matt; Aktar, Saadia; Lopez, Fernando
Vascular Ultrasound

Moderators: Beatrice Madrazo, MD, RVT, and Eva Bartels, MD, PhD

Broadway Ballroom South • Sixth Floor

10:30 AM–10:42 AM
549130 Assessment of the Femoral and Splanchnic Flow by Echography and Doppler During a Tilt Test for the Prediction of Orthostatic Intolerance
Arbeille, Philippe L.*; Shoemaker, Kevin; Hughson, Richard

10:42 AM–10:54 AM
537100 Hemodynamics in the Gastrorenal Shunt on Doppler Ultrasound Reflect the Grading and Bleeding of Gastric Fundal Varices
Maruyama, Hitoshi*; Takahashi, Masanori; Ishibashi, Hiroyuki; Yokosuka, Osamu

10:54 AM–11:06 AM
554453 Sonographic Assessment of Early Portal Hypertension in Patients With Compensated Chronic Liver Disease
Matsutani, Shoichi*; Fukuzawa, Takeshi; Mizumo, Hideaki; Suzuki, Yasutoshi

11:06 AM–11:18 AM
555024 Is 2-Point Compression Venous Ultrasonography of the Lower Extremity Adequate in the Diagnosis of Lower Extremity Deep Venous Thrombosis?
Fojtik, John P.*; Hannan, Hashibul; McCormick, Jacob; Markowitz, Joshua

11:18 AM–11:30 AM
555291 Analysis of Volume Flow Measurements In Vitro Using Modern Ultrasound Scanners
Hoyt, Kenneth*; Hester, Felix; Bell, Randall; Lockhart, Mark; Robbin, Michelle

11:30 AM–11:42 AM
555412 Atherosclerotic Plaque Detection and Material Characterization Using Acoustic Radiation Force Impulse Imaging and Shear Wave Elastographic Imaging In Vivo
Behler, Russell H.; Nichols, Timothy C.; Merricks, Elizabeth; Gallippi, Caterina M.*

11:42 AM–11:54 AM
554520 Ultrasonographic Findings in a Dissection of the Extracranial Vertebral Artery
Bartels, Eva
10:30 AM–12:00 PM

New Investigator Session

Moderators: Rochelle Andreotti, MD, and Andrej Lyshchik, MD, PhD

Wilder • Fourth Floor

10:30 AM–10:42 AM
555630 The Doppler Transitional Phase in Severely Premature Intrauterine Growth-Restricted Fetuses
Picconi, Jason L.*; Drennan, Kathryn J.; Hanif, Farhan; Mari, Giancarlo

10:42 AM–10:54 AM
555309 RUNT: Relatively Undergrown With a Normal Twin
Rand, Larry*; Lee, Hanmin; Hirose, Shinjiro; Curran, Patrick F.; Goldstein, Ruth B.; Feldstein, Vickie

10:54 AM–11:06 AM
555241 The Accuracy of Hysterosalpingo-Contrast Sonography in Determining Tubal Patency and Evaluating the Uterine Cavity
Luciano, Danielle E.*; Johns, D. Alan; Exacoustos, Caterina; Luciano, Anthony

11:06 AM–11:18 AM
523637 Diagnosing Acute Appendicitis in Adults: Accuracy of Color Doppler Sonography and Multidetector Computed Tomography Compared With Surgery and Clinical Follow-up
Beck-Razi, Nira*; Fischer, Doron; Krausz, Michael; Engel, Ahuva; Gaitini, Diana

11:18 AM–11:30 AM
554353 In Vivo Validation of Left Ventricular Strains at Variable Levels of Myocardial Ischemia
Lee, Wei-Ning*; Provost, Jean; Fujikura, Kana; Wang, Jie; Konofagou, Elisa E.

11:30 AM–11:42 AM
554600 Localized Tissue Occlusion by Acoustically Vaporized Droplets
Zhang, Man*; Fabbili, Mario L.; Haworth, Kevin J.; Fowlkes, J. Brian; Kripfgans, Oliver D.; Roberts, William W.; Ives, Kimberly A.; Carson, Paul L.

11:42 AM–11:54 AM
551259 Three-Dimensional Ultrasound Analysis of the Early Placenta Predicts Future Fetal Growth
Schwartz, Nadav*; Coletta, Jaclyn; Keeler, Sean M.; Caraballo, Olga; Salafia, Carolyn; Timor-Tritsch, Ilan E.

New Investigator Session Award supported by PHILIPS
10:30 AM–12:00 PM
Community of Practice Meetings

Obstetric Ultrasound
Broadway Ballroom North • Sixth Floor

Musculoskeletal Ultrasound
Marquis Ballroom • Ninth Floor

12:15 PM–1:15 PM
Meet-the-Professor Sessions

Four concurrent Meet-the-Professor sessions (MTPs) are offered at this time. The MTPs must be paid for separately. Visit the registration desk to register for any MTPs that are not sold out.

SATP1 Optimizing the Doppler Examination
M. Robert De Jong, RDCS, RDMS, RVT, and Phillip Bendick, PhD
Ziegfeld • Fourth Floor

At the end of this session, participants will have the skills to improve the gray scale, color Doppler, and spectral Doppler aspects of the Doppler examination. Participants will have an understanding of the various controls needed to optimize the gray scale image and Doppler information as well as tips and techniques to obtain a diagnostic examination on technically challenging patients. This course is intended for both physicians and sonographers.

SATP2 Confirmation of Normal Fetal Heart Anatomy
Mark Sklansky, MD
Wilder • Fourth Floor

Prenatal screening for congenital heart disease remains challenging. Most cases of congenital heart disease continue to be missed with routine prenatal screening. Those who screen the fetus for congenital heart disease may feel overwhelmed and insecure in their ability to differentiate normal from abnormal. The objective of this session is to teach the basics of prenatal screening for congenital heart disease, including many pearls, drawn from many years of experience scanning normal and abnormal hearts, both prenatally and postnatally. The session aims to improve the ability of those in attendance to detect congenital heart disease prenatally.

SATP3 Challenging Fetal Brain Issues: Posterior Fossa and Ventriculomegaly
Yaron Zalel, MD
O’Neill • Fourth Floor

The objective of this session is to discuss the clinical significance of evaluating posterior fossa abnormalities and ventriculomegaly.

SATP4 Sports-Related Hip Disorders
Marnix van Holsbeeck, MD
Odets • Fourth Floor

The objective of the session is to review common sports-related hip disorders, such as muscle, tendon, and joint abnormalities.
12:15 PM–1:15 PM  
**Lunch in the Exhibit Hall**

12:15 PM–1:15 PM  
**Scientific Poster Discussion**  
Fourth Floor and Seventh Floor Foyers

12:15 PM–1:15 PM  
**Sharing the Wealth: Status Report on the DICOM 3-Dimensional Ultrasound Data Storage Standard**  
Soho/Herald • Seventh Floor  
Thomas Nelson, PhD [AIUM representative to DICOM WG-12(3D) and other WG-12(3D) committee members]

This session will provide a status report on the development of the Digital Imaging Communications in Medicine (DICOM) 3-dimensional (3D) ultrasound data storage standard, officially known as Supplement 43: Storage of 3D Ultrasound Images. This session is oriented toward AIUM members and ultrasound vendors and will be of a general nature.

This supplement to the DICOM standard defines the storage of 3D ultrasound volume data sets and the 2D views that are derived from this volume data to facilitate the exchange of a number of different types of ultrasound 3D source and derived image data between various ultrasound and picture archiving and communications system vendors. Ultrasound data have many similarities to other imaging modalities like computed tomography and magnetic resonance imaging, and this supplement leverages the methods used by other modalities wherever possible. Ultrasound also has distinct characteristics, and these are specifically addressed by the supplement.

There will be a presentation summarizing the approach, progress, and status of the DICOM 3D ultrasound data storage standard plus presentation of some examples demonstrating its implementation. Members of WG-12(3D) who are attending the AIUM meeting will participate in a panel discussion with the audience.
1:30 PM–2:30 PM
New Professional Interest Group Meeting
Contrast-Enhanced Ultrasound
Jolson • Ninth Floor

1:30 PM–3:30 PM
Categorical Courses
Eight concurrent in-depth courses presented by top experts in the field are conducted during this period.

Advanced Pediatric Imaging
Moderator: Michael DiPietro, MD
Soho/Herald • Seventh Floor
This course will cover selected advanced pediatric ultrasound topics that would be seen in a busy pediatric sonography practice.

1:30 PM–1:35 PM    Introduction
    Michael DiPietro, MD

1:35 PM–1:55 PM    Challenges in Neonatal Cranial Sonography: Hypoxic Ischemic Disease
    Beth Kline-Fath, MD

1:55 PM–2:15 PM    Ultrasound Imaging in Crohn Disease
    Kassa Darge, MD, PhD

2:15 PM–2:35 PM    Advanced Pediatric Musculoskeletal Ultrasound: Clubfoot and Other Applications
    Michael DiPietro, MD

2:35 PM–2:55 PM    Imaging of Foreign Bodies and Lines
    Jennifer Lim-Dunham, MD

2:55 PM–3:15 PM    Ultrasound Evaluation of Intrahepatic Vascular Malformations
    Carol Barnewolt, MD

3:15 PM–3:30 PM    Questions and Answers
Fetal Heart: First Trimester, Safety of Doppler Ultrasound, and New Uses in Obstetrics

**Moderator: James Pennington, RDMS**

Marquis Ballroom • Ninth Floor

This course will cover the obstetric sonographic examination during the first trimester and discuss such topics as the role of Doppler ultrasound, any potential effects of the intensity levels used in a Doppler examination on the developing fetus, the importance of properly evaluating the fetal heart, nuchal translucency and its certification, and new markers being used in the first trimester.

1:30 PM–1:35 PM  Introduction
James Pennington, RDMS

1:35 PM–2:00 PM  The Case for Universal Fetal Cardiac Evaluation
Ruben Acherman, MD

2:00 PM–2:25 PM  The Heart, Ductus Venosus, and Uterine Artery
Thomas Abdella, MD

2:25 PM–2:50 PM  First-Trimester Echocardiography and Doppler Ultrasound
Thomas Shipp, MD

2:50 PM–3:15 PM  First- and Second-Trimester Cardiac Ultrasound in One Practice: What We Do and Why We Do It
Joseph Wax, MD

3:15 PM–3:30 PM  Questions and Answers

**Miniaturized Ultrasound**

**Moderator: Thomas Szabo, PhD**

Astor Ballroom • Seventh Floor

This course will present a summary of new developments in the miniaturization of ultrasound imaging devices and their applications. Topics will include portable ultrasound and its clinical applications, pocket ultrasound, and 2-dimensional arrays with microelectronics.

1:30 PM–1:50 PM  History and Development of Miniaturized Ultrasound
J. J. Hwang, PhD

1:50 PM–2:10 PM  Applications of Miniaturized Ultrasound
Kai Thomenius, PhD

2:10 PM–2:35 PM  Advances in 2-Dimensional Array Miniaturization
Michael Peszynski, MS, PE

2:35 PM–3:15 PM  Development of the Sonic Window
William Walker, PhD

3:15 PM–3:30 PM  Questions and Answers
**Nonfetal Complications of Pregnancy**

*Moderators: Sherelle Laifer-Narin, MD, and Leslie Scoutt, MD*

Shubert Complex • Sixth Floor

The objective of this course is to discuss complications of pregnancy as assessed by imaging. The first presentation will illustrate how imaging can establish the diagnosis of ectopic pregnancy, including those occurring in unusual locations. The second presentation will illustrate common nonobstetric causes of acute pain in the second and third trimesters. The third presentation will discuss common cervical and placental abnormalities in patients presenting with vaginal bleeding and spontaneous premature labor.

1:30 PM–1:35 PM  
Introduction  
Sherelle Laifer-Narin, MD

1:35 PM–2:05 PM  
Diagnostic Imaging of Ectopic Pregnancy  
Sherelle Laifer-Narin, MD

2:05 PM–2:40 PM  
Unrelated to Pregnancy: An Ultrasound Evaluation  
Leslie Scoutt, MD

2:40 PM–3:15 PM  
Sonographic Evaluation of the Placenta and Cervix  
Jill Langer, MD

3:15 PM–3:30 PM  
Questions and Answers

**Nonobstetric Applications of 3-Dimensional Ultrasound: Improving Productivity and Work Flow**

*Moderator: Nirvikar Dahiya, MD*

Broadway Ballroom South • Sixth Floor

Volumetric (3-dimensional) imaging is a major new advance in ultrasound technology. It can augment conventional sonographic techniques, improve work flow, and resolve clinical questions. Attendees will learn how and when to use it in daily practice.

1:30 PM–2:05 PM  
Acquiring a 3-Dimensional Image: Basic Principles  
Nirvikar Dahiya, MD

2:05 PM–2:40 PM  
Abdominal Applications of 3-Dimensional Ultrasound  
Franklin Tessler, MD, CM

2:40 PM–3:15 PM  
Vascular Applications of 3-Dimensional Ultrasound  
Flemming Forsberg, PhD

3:15 PM–3:30 PM  
Questions and Answers
**Preclinical and Small-Animal Imaging: Ultrasound Guidance and Therapy Monitoring**  
**Moderators: Michael Kolios, PhD, and Chandra Sehgal, PhD**

**Gramercy/Olmstead • Seventh Floor**

Developments in high-frequency ultrasound imaging technologies and the availability of commercial ultrasound imaging equipment dedicated to small-animal imaging have increased the interest and number of investigators using such devices for scientific and clinical studies. The objective of this course is to review the state of the art in preclinical and small-animal imaging (and related applications) and familiarize participants with the latest techniques used in the field.

1:30 PM–1:35 PM  
**Introduction**  
Michael Kolios, PhD

1:35 PM–2:00 PM  
**Ultrasound and Magnetic Resonance Microimaging of Mouse Brain Development**  
Daniel Turnbull, PhD

2:00 PM–2:25 PM  
**Ultrasound Monitoring of Vascularity in Murine Tumors**  
Andrew Wood, DVSc, PhD

2:25 PM–2:50 PM  
**Ultrasound Detection of Apoptosis and Other Forms of Cell Death With Cancer Therapy**  
Gregory Czarnota, MD, PhD

2:50 PM–3:15 PM  
**Use of 3-Dimensional Ultrasound for Preclinical Imaging**  
Aaron Fenster, PhD

3:15 PM–3:30 PM  
**Questions and Answers**

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**Screening Options for Aneuploidy: First Trimester and Sequential**  
**Moderator: E. Rebecca Pschirrer, MD**

**Broadway Ballroom North • Sixth Floor**

This course will discuss the pros and cons of screening options for aneuploidy, including first- and second-trimester, integrated, and sequential screening.

1:30 PM–1:35 PM  
**Introduction**  
E. Rebecca Pschirrer, MD

1:35 PM–2:10 PM  
**Screening for Multiples: Double Jeopardy**  
Andrei Rebarber, MD

2:10 PM–2:45 PM  
**Screening for Fetal Aneuploidy and Other Games of Chance**  
Julian Robinson, MD

2:45 PM–3:15 PM  
**Navigating the Choices for Screening: Patient Decision Making**  
E. Rebecca Pschirrer, MD

3:15 PM–3:30 PM  
**Questions and Answers**
Use of 3-Dimensional Ultrasound in Gynecology
Moderator: Beryl Benacerraf, MD
Empire Ballroom • Seventh Floor

This course will demonstrate how 3-dimensional ultrasound is used in various aspects of gynecologic scanning, including uterine anomalies, adnexal masses, pelvic floor issues, and in the evaluation of patients with pelvic pain.

1:30 PM–1:35 PM  Introduction  
Beryl Benacerraf, MD

1:35 PM–2:00 PM  Congenital Uterine Abnormalities  
Alfred Abuhamad, MD

2:00 PM–2:25 PM  Other Uterine Abnormalities (Intrauterine Devices, Polyps, and Fibroids)  
Beryl Benacerraf, MD

2:25 PM–2:50 PM  Adnexal Findings Including Inverse View  
Ilan Timor-Tritsch, MD

2:50 PM–3:15 PM  The Pelvic Floor  
Milena Weinstein, MD

3:15 PM–3:30 PM  Questions and Answers

3:30 PM–4:30 PM  Refreshment Break in the Exhibit Hall

3:30 PM–4:30 PM  Community of Practice Meetings

General and Abdominal Ultrasound  
Broadway Ballroom South • Sixth Floor

High-Frequency Clinical and Preclinical Imaging  
Gramercy/Olmstead • Seventh Floor

Pediatric Ultrasound  
Soho/Herald • Seventh Floor
**4:30 PM–5:30 PM**

**Scientific Sessions**

Eleven concurrent sessions, each including 5 presentations on the latest ultrasound research, are offered during this period.

* indicates presenter; (CR) indicates Case Report.

- **General Ultrasound Imaging**
  
  **Moderators: Ahmet Turgut, MD, and Cara Trigg-Roles, RDMS**
  
  4'Neil • Fourth Floor

  4:30 PM–4:40 PM
  
  **555254**  
  Inspissated Bile Syndrome (CR)  
  Rosenberg, Henrietta K.*; Miloh, Tamir; Kochin, Israel; Kerkar, Nanda

  4:40 PM–4:52 PM
  
  **555211**  
  Prospective Evaluation of Emergency Department Bedside Ultrasound for the Detection of Cholelithiasis and Acute Cholecystitis  
  Summers, Shane*; Scruggs, William; Lahham, Shadi; Anderson, Craig; Amr, Omar; Lotfipour, Shahram; Cusick, Seric; Fox, John C.

  4:52 PM–5:04 PM
  
  **537729**  
  The Primary Cause of Embolism in Acute Trauma Patients: Fat Versus Thrombus  
  Nussbaumer, Karen

  5:04 PM–5:14 PM
  
  **533231**  
  Partial Testicular Torsion with Torsion-Detorsion Syndrome (CR)  
  Patel, Nayana U.

  5:14 PM–5:24 PM
  
  **554763**  
  Incidental Wandering Spleen: Diagnosis and Implications (CR)  
  Frye, Ira S.*; Daly, Douglas; Paulson, Jayne
Genitourinary Ultrasound

Moderators: Wendy Musson, MD, and Raj Mohan Paspulati, MD

Ziegfeld • Fourth Floor

4:30 PM–4:42 PM
551130 Comparison Between Color Doppler Twinkling Artifact and Acoustic Shadowing for Renal Calculus Detection: An In Vitro Study
Rubin, Jonathan M.*; Bude, Ronald; Shabana, Wael

4:42 PM–4:54 PM
554239 Sonohysterography in the Detection of Adenomyosis: New Features With Magnetic Resonance Imaging Correlation
Verma, Sachit*; Lev-Toaff, Anna S.; Baltarowich, Oksana H.; Bergin, Diane; Verma, Manisha; Mitchell, Donald G.

4:54 PM–5:06 PM
554858 In Vivo Prostate Cancer Detection Using Sonoelastography: Preliminary Results
Castaneda, Benjamin; Westesson, Karin E.; An, Liwei; Wu, Shuang; Baxter, Laurie; Yao, Jorge; Hoyt, Kenneth; Strang, John; Rubens, Deborah; Parker, Kevin*

5:06 PM–5:18 PM
549013 Differentiating Renal Abscess Versus Renal Parenchymal Lymphoma: Pearls and Pitfalls of Sonography, Computed Tomography, and Magnetic Resonance Imaging
Kielar, Ania Z.*; McInnes, Matthew; Fasih, Najla; O'Sullivan, Joseph

5:18 PM–5:30 PM
555492 Registration of Biopsy Cores Using Eigen's Prostate Biopsy Device Based on 3-Dimensional Ultrasound Guidance
Narayanan, Ramkrishnan; Crawford, David; Simoneau, Anne; Shinohara, Katsuto; Sindhwani, Puneet; Suri, Jasjit S.*
Gynecologic Ultrasound: Ovaries

Moderators: Rochelle Andreotti, MD, and Charlotte Henningsen, RT, MS, RDMS, RVT

Astor Ballroom • Seventh Floor

4:30 PM–4:42 PM
549186 Sonographic Correlations Between Macrovascular and Microvascular Perfusion of Ovarian Tumors
Lyshchik, Andrej*; Andreotti, Rochelle; Fleischer, Arthur C.

4:42 PM–4:54 PM
551779 Ultrasound Appearance of Cystadenofibroma: Can We Reduce Surgical Intervention?
Goldstein, Steven R.*; Timor-Tritsch, Ilan E.; Popiolek, Dorota; Monda, Susan; Monteagudo, Ana

4:54 PM–5:06 PM
556210 Primary Fallopian Tube Carcinoma: Imaging Features and Diagnostic Performance of Preoperative Ultrasound Compared to Computed Tomography and Magnetic Resonance Imaging
Itri, Jason*; Lev-Toaff, Anna S.; Jones, Lisa; Ramchandani, Parvati; Torigian, Drew; Coukos, George; Siegelman, Evan

5:06 PM–5:18 PM
554529 Ovarian Hyperstimulation Syndrome and Thyroid Storm Due to Choriocarcinoma After Uncomplicated Term Pregnancy (CR)
Brookefield, Katheleen*; Roca, Luis E.; Suarez, Anna T.; Gonzalez-Quintero, Victor

5:18 PM–5:30 PM
565876 Massive Hemopneumothorax Following a Laparoscopic Ovarian Endometrioma Resection in a Patient With a History of Recurrent Catamenial Pneumothorax (CR)
Singer, Tomer; Atkin, Russell*; Barnhard, Yoni; Orbuch, Iris
High-Frequency Clinical and Preclinical Ultrasound
Moderator: Jonathan Mamou, PhD
Odets • Fourth Floor

4:30 PM–4:42 PM
555616 Detection of the Tumor Response to Radiotherapy and a Radiosensitization Agent Using Quantitative Noninvasive High-Frequency Ultrasound
Lee, Justin*; Karshafian, Raffi; Banihashemi, Behzad; Kolios, Michael; Czarnota, Gregory J.

4:42 PM–4:54 PM
553875 High-Frequency Ultrasound Detection of Micrometastases in Freshly Excised Lymph Nodes: Clinical Values
Hata, Masaki*; Mamou, Jonathan; Coron, Alain; Mai, Rick; Dasgupta, Shreedevi; Machi, Junji; Yanagihara, Eugene; Laugier, Pascal; Feleppa, Ernest J.

4:54 PM–5:06 PM
553919 Monitoring Antiangiogenic Drug Therapy in Rats Using Contrast-Enhanced Ultrasound Imaging
Swanson, Terri A.*; Tuthill, Theresa A.; Patterson, Kristin; Andresen, Catharine; Bagi, Cedo

5:06 PM–5:18 PM
553552 Photoacoustic Imaging of Ocular Tissues
Silverman, Ronald H.*; Chen, Ying-Chih; Kong, Fanting; Lloyd, Harriet; Coleman, D. Jackson

5:18 PM–5:30 PM
555386 Preliminary Evaluation of the Harmonic Motion Imaging for Focused Ultrasound System In Vivo
Konofagou, Elisa*; Maleke, Caroline

5:30 PM–5:42 PM
553922 High-Frequency Ultrasound Detection of Micrometastases in Freshly Excised Lymph Nodes: Technical Aspects
Feleppa, Earnest J.*; Mamou, Jonathan; Hata, Masaki; Coron, Alain; Mai, Rick; Dasgupta, Shreedevi; Machi, Junji; Laugier, Pascal
Interventional/Intraoperative Ultrasound
Moderators: Shweta Bhatt, MD, and Corinne Deurdulian, MD
Majestic • Sixth Floor

4:30 PM–4:42 PM
555213 3- and 4-Dimensional Ultrasound Clock Technique for Endometrial Cryoablation Therapy
Rubino, Robert J.

4:42 PM–4:52 PM
538381 Radio Frequency Ablation in Monochorionic Gestations Complicated by a Severe Fetal Anomaly or Twin-to-Twin Transfusion Syndrome (CR)
Rebarber, Andrei*; Gandhi, Manisha; Ferrara, Lauren; Stone, Joanne; Eddleman, Keith; Weintraub, Joshua

4:52 PM–5:04 PM
539346 Percutaneous Ultrasound-Guided Ethanol Injection Treatment of Thyroid Toxic and Autonomous Adenomas: Results and Long-term Follow-up
Brkljacic, Boris*; Ivanac, Gordana; Cikara, Igor; Bozikov, Velimir

5:04 PM–5:16 PM
552117 Four-Dimensional Ultrasound (4DUS) and Contrast-Enhanced 4DUS in Radio Frequency Ablation of Liver Tumors
Yamada, Masahiko*; Sano, Takatomo; Murashima, Eigaku; Ichimura, Shigeki; Taira, Junichi; Metoki, Ryo; Furuichi, Toshihiro; Imai, Yasuharu; Nakamura, Ikuo; Moriyasu, Fuminori

5:16 PM–5:28 PM
554009 Ultrasound-Guided Peripheral Intravenous (IV) Placement Can Be Safely and Successfully Performed by Emergency Department Technicians for Patients With Difficult IV Access
Woods, Amie; Schoenfeld, Elizabeth; Boniface, Keith*; Shokoohi, Hamid
Obstetric Anomalies: Brain
Moderators: Ants Toi, MD, and Lorene Romine, MD
Broadway Ballroom South • Sixth Floor

4:30 PM–4:42 PM
555231 Agenesis of the Corpus Callosum: a Comparison of Prenatal Ultrasound and Fetal Magnetic Resonance Imaging
Mirza, Fadi*; Bauer, Samuel; Van der Veer, Anne; Laifer-Narin, Sherelle; Simpson, Lynn L.

4:42 PM–4:54 PM
537869 Basic as Well as Detailed Neurosonography Can Be Performed by an Offline Analysis of 3-Dimensional Fetal Brain Volumes
Bornstein, Eran*; Monteagudo, Ana; Santos, Rosalba; Strok, Irina; Platt, Lawrence D.; Timor-Tritsch, Ilan E.

4:54 PM–5:06 PM
555638 Three-Dimensional Ultrasound Demonstration of Brain Stem Kinking Associated With Cobblestone Cortex Type 2 Lissencephaly at 18 to 20 Weeks’ Gestation
Toi, Ants*; Fong, Katherine; Chitayat, David; Blaser, Susan; Shannon, Patrick

5:06 PM–5:18 PM
551913 Fetal Ventriculomegaly Secondary to Isolated Large Choroid Plexus Cysts: Prenatal Findings and Postnatal Outcome
Fong, Katherine*; Chong, Karen; Toi, Ants; Blaser, Susan; Friedberg, Tami; Chitayat, David
Obstetric Anomalies: Cervix and Uterus
Moderators: Michael House, MD, and Patricia Mayberry, RDMS, RVT
Broadway Ballroom North • Sixth Floor

4:30 PM–4:42 PM
566065 Comparison of the Cesarean Section Rates Between In Vitro Fertilization (IVF) and Non-IVF Groups and Between Donor Egg (DE) and Non-DE Groups With Singleton Pregnancies in Patients Older Than 40 Years
Singer, Tomer*; Divon, Michael; Borodo, Karolina; Sicherman, Nachum; Barnhard, Yoni; Barad, David

4:42 PM–4:54 PM
546789 An Unanticipated Outcome of Twin Pregnancy Complicated by a Midtrimester Short Cervix and Preterm Contractions (CR)
Vetraino, Ivana M.*; Baig, Saba

4:54 PM–5:06 PM
555453 Cervical Sonography in Pregnant Women With a Prior Cone Biopsy or Loop Electrosurgical Excision Procedure
Fischer, Richard L.*; Sveinbjornsson, Grace; Hansen, Clare

5:06 PM–5:18 PM
546910 Is There a Correlation Between Sonographic and Endoscopic Assessment of Uterine Scars?
Petrikovsky, Boris M.*; Roshan, Daniel; Gurshumov, Emil L.

5:18 PM–5:30 PM
555235 Feasibility of Cervical Attenuation Estimation in Human Pregnancy
McFarlin, Barbara L.*; Bigelow, Timothy A.; Labyed, Yassin; Abramowicz, Jacques; O’Brien, William D. Jr; Oelze, Michael
Obstetric Anomalies: Chest and Abdomen

Moderators: Diana Gray, MD, and Kimberly Haas, RT(R), RDMS
Soho/Herald • Seventh Floor

4:30 PM–4:42 PM
555551  Echogenic Intracardiac Foci: Associated With Increased Risk for Fetal Trisomy 21 or Not?
Gray, Diana L.*; Shanks, Anthony L.; Odibo, Anthony O.

4:42 PM–4:54 PM
555281  Prenatal Ultrasonographic Intra-abdominal Dilation Is Associated With Postnatal Gastrointestinal Complications in Fetuses With Gastroschisis: A Case Series of 61 Consecutive Fetuses
Huh, Nancy G.*; Hirose, Shinjiro; Goldstein, Ruth B.

4:54 PM–5:06 PM
546783  The Clinical Significance of an Absent Fetal Stomach Bubble as an Isolated Finding in Second-Trimester Sonography
Vettraino, Ivana M.*; Comstock, Christine; Hardy-Hood, Leslie; Bronsteen, Richard

5:06 PM–5:18 PM
555352  Steroids for Congenital Cystic Adenomatoid Malformations: The University of California, San Francisco, Experience
Curran, Patrick F.*; Rand, Larry; Jelin, Eric; Hirose, Shinjiro; Feldstein, Vickie; Goldstein, Ruth B.; Lee, Hanmin

5:18 PM–5:30 PM
548653  Accuracy of Prenatal Ultrasound in Diagnosis of a Suspected Tracheoesophageal Fistula and Esophageal Atresia
Mirza, Fadi*; Montero, Freddy; Pri Paz, Shai; Van der Veer, Anne; Fuchs, Karin; Simpson, Lynn L.
Obstetric Anomalies: Genitourinary
Moderators: Janice Byrne, MD, and Deborah D’Agostini, RDMS
Shubert • Sixth Floor

4:30 PM–4:40 PM
553894 Incidental Detection of Urachal Adenocarcinoma During Prenatal Ultrasound (CR)
Holland, Mariam G.*; Mastrobattista, Joan M.; Hoang, Anthony; Frumovitz, Michael; Canfield, Steven; Refuerzo, Jerrie

4:40 PM–4:52 PM
555414 Echogenic Fetal Kidneys: Counseling and Management Dilemma
Byrne, Janice L. B.*; Woodward, Paula; Sherbotie, Joseph R.; Kennedy, Anne

4:52 PM–5:02 PM
554633 Vesicocentesis May Be Therapeutic in Pathologic Fetal Bladder Distention (CR)
Healy, Andrew*; Bsat, Fadi; Plevyak, Michael; Markenson, Glenn

5:02 PM–5:12 PM
553424 Prenatal Diagnosis of a Fetal Adrenal Mass: Fetus in Fetu Versus Teratoma (CR)
Muller, Corinna L.*; Maslow, Arthur; Smith, Erik J.; Cuff, Jennifer

5:12 PM–5:24 PM
551279 Safety of Amniocentesis After 28 Weeks of Gestation
Croce, Clara*; Gonzalez-Quintero, Victor H.
Obstetric Anomalies: Miscellaneous

Moderators: Reena Chopra, MD, and Jean Schoenborn, RT, RDMS

Gramercy/Olmstead • Seventh Floor

4:30 PM–4:42 PM
554641 Diagnostic Features of Complex Posterior Fetal Neck Masses
Shaylor, S. D.*; Coleman, B. G.; Rosner, M.; Liechty, K. W.

4:42 PM–4:54 PM
554484 Interobserver and Intraobserver Variability of Measurement of the Frontomaxillary Facial Angle in the Second Trimester
Schoenborn, Jean*; Haas, Kimberly; Odibo, Anthony O.

4:54 PM–5:04 PM
554318 In Utero Herpes Simplex Infection (CR)
Patil, Avinash S.*; Taylor, Morgan L.; Schneider, Michael B.

5:04 PM–5:16 PM
552031 Gastroschisis: Incidence and Prediction of Growth Restriction
Mirza, Fadi*; Bauer, Samuel; Van der Veer, Anne; Simpson, Lynn

5:16 PM–5:28 PM
552259 Do Race-Specific Definitions of Short Long Bones Improve the Detection of Down Syndrome During the Second-Trimester Genetic Sonogram?
Harper, Lorie*; Gray, Diana; Dicke, Jeffrey; Stamilio, David;
Macones, George; Odibo, Anthony O.
Pediatric Ultrasound
Moderators: Sara O’Hara, MD, and Lynn Fordham, MD
Wilder • Fourth Floor

4:30 PM–4:42 PM
554892 Clinical Experience of Real-time 3-Dimensional Color Echocardiography Using a Pediatric Matrix Probe for Evaluating Congenital Heart Disease
Chang, Jia-Kan*; Lin, Chu-Chuan; Hsieh, Kai-Sheng

4:42 PM–4:54 PM
549108 Bottom’s Up: A Technical Aid to Improved Spinal Sonography
Gilet, Anthony*; Dunkin, Jared; Cohen, Harris L.

4:54 PM–5:06 PM
552276 Ovarian and Uterine Dimensions by Ultrasound in the Evaluation of Precocious Puberty: Comparison With Leuprolide Stimulation Tests
Sathasivam, Anpalakan; Rosenberg, Henrietta K.*; Shapiro, Sofia; Rapaport, Robert

5:06 PM–5:18 PM
566099 A Comparison of the Neonatal Outcomes Between In Vitro Fertilization (IVF) and Non-IVF Pregnancies in Patients Older Than 40 Years
Singer, Tomer*; Sicherman, Nachum; Borodo, Karolina; Divon, Michael

4:30 PM–5:30 PM
Special Focus Session

Three Hypothetical Case Studies in Ultrasound Malpractice Liability
Chair: Frank Orbach, Esq.
Empire Complex • Seventh Floor
4:30 PM–5:30 PM
Quick Take Sessions

Education and Information Technology
Winter Garden • Sixth Floor

4:30 PM–4:38 PM  Go Green: Unique Secure E-mail Application for Ultrasound Reports
  Ira Spector, MD

4:38 PM–4:46 PM  How to Do a Presentation That Will Keep Your Audience Engaged
  George Flinn, Jr, MD

4:46 PM–4:54 PM  Bedside Ultrasound Techniques
  Fernando Ariza, MD

4:54 PM–5:02 PM  Teaching Peripheral Guided Intravenous Insertion to Novice Second-Year Medical Students With the Aid of Ultrasound Guidance
  Scott Osborn, MD

Interventional Ultrasound
Music Box • Sixth Floor

4:30 PM–4:38 pm  Comparison of the Rate of Central Line Use Among 2 General Medicine Floors/Services
  Fernando Ariza, MD

4:38 PM–4:46 PM  Color Power Doppler Use During Ultrasound-Guided Arthrocentesis
  Paul DeMarco, MD

4:46 PM–4:54 PM  Effect of Corticosteroid Injection on Subsynovial Tissue Thickness in Idiopathic Carpal Tunnel Syndrome
  Shane Shapiro, MD

4:54 PM–5:02 PM  Ultrasound-Guided Supraclavicular Subclavian Central Venous Access Using an Endocavitary Probe
  Michael Mallin, MD
Sonography Practice
Palace • Sixth Floor

4:30 PM–4:38 PM  Addressing Shoulder Injuries in Sonography
                  William Griffin, MD

4:38 PM–4:46 PM  Purpose-Driven Scanning
                  Connie Ambrecht, RDMS

4:46 PM–4:54 PM  Resetting Your Internal Rheostat For Echotexture
                  In 2009
                  Janet Adams, RDMS, RVT, CNMT, RT(N), Michelle
                  Gramke, RDMS, RT, and Sara O’Hara, MD

4:54 PM–5:02 PM  A Sonographer’s Journey: Phenomenological Research
                  Catheeja Ismail, MA, RDMS

7:00 PM–11:00 PM Leadership Banquet (by invitation only)
                  Marquis Ballroom • Ninth Floor

Supported by
Posters are available for viewing Friday, April 3, 11:30 AM–5:00 PM, Saturday, April 4, 7:00 AM–4:30 PM, and Sunday, April 5, 7:00 AM–2:00 PM.

Authors will be available to discuss their research presented on the following posters on Saturday, April 4, 12:15 PM–1:15 PM.

511576 Live 3-Dimensional Ultrasonography for Therapeutic Radio Frequency Ablation for Hepatocellular Carcinoma
Hotta, Naoki

533255 Evaluation of Therapeutic Effects on Rectal Varices Using Percutaneous Color Doppler Ultrasonography
Sato, Takahiro

538070 A Porcine Training Model for Ultrasound Diagnosis of Pneumothoraces
Bloch, Amy J.*; Bloch, Scott A.; Secreti, Lalainia; Prasad, N. Heramba

539533 Ultrasound Competency in Third- and Fourth-Year Obstetric Residents
Dexter, Scott*; Snyder, Patricia; Mayer, Dan

540163 Ultrasound Evaluation of Lisfranc Ligament Injuries
Woodward, Suzanne L.*; Jacobson, Jon A.; Femino, John E.; Morag, Yoav; Fessell, David; Dong, Qian

548070 Ultrasound Imaging of Inflammatory Bowel Disease in Children
Keener, Hilari M.*; Anupindi, Sudha; Bellah, Richard; Mamula, Petar; Darge, Kassa

548333 Inflammatory Bowel Disease in Children: Ultrasound Compared to Other Imaging Modalities
Keener, Hilari M.*; Anupindi, Sudha; Bellah, Richard; Mamula, Petar; Darge, Kassa

550416 Ultrasound of Pediatric Scrotal Masses: A Pictorial Essay
Woolpert, Linda*; J unewick, Joseph; Dombrowski, Kimberly; Horness, Corinne; Schreiner, Margaret; Sutton, Patricia; Vander Meulen, Melissa; VanDop, Sarah

552185 Chirp Excitation for Imaging of the Eye
Lloyd, Harriet*; Silverman, Ronald; Mamou, Jonathan; Chán, R. V. Paul; Rondeau, Mark; Coleman, D. Jackson

Posters are listed and displayed in numerical order, not by specialty.
*Indicates presenting author • 1 CME credit per day during discussion
552199 Role of 3-Dimensional Ultrasound Using the Inversion Mode in the Evaluation of Adnexal Masses
Hereter, Lourdes; Pascual, M. Angela*; Graupera, Betlem; Pedrero, Cristina; Tresserra, Francisco; Fernandez-Cid, Maria

552243 Role of 3-Dimensional Ultrasound in Improving Diagnostic Accuracy
Graupera, Betlem; Pascual, M. Angela*; Hereter, Lourdes; Tresserra, Francisco; Fernandez-Cid, Maria; Rodriguez, Ignacio

552250 Four-Year Experience With an Ultrasound Quality Control Program
Hangiandreou, Nicholas J.*; Stekel, Scott F.; Tradup, Donald J.

552268 Intrauterine Disorder Detection by Color Doppler Transvaginal Ultrasound in Patients With Abnormal Uterine Bleeding
Pascual, M. Angela*; Hereter, Lourdes; Graupera, Betlem; Tresserra, Francisco; Martinez, M. Angeles; Rodriguez, Ignacio

552278 Intraobserver Variability Using 3-Dimensional Ultrasound and 2-Dimensional B-Mode Transvaginal Ultrasound in the Diagnosis of Adnexal Masses
Pascual, M. Angela*; Graupera, Betlem; Hereter, Lourdes; Tresserra, Francisco; Pedrero, Cristina; Rodriguez, Ignacio

553440 Safety and Tolerability of Fetal Intracardiac Potassium Chloride Injection Prior to Second-Trimester Termination: A Single-Institution Experience
Sfakianaki, Anna K.*; Lipkind, Heather S.; Funai, Edmund; Bahtiyar, Mert; Buhimschi, Catalin; Copel, Joshua

553540 Ultrasound Detection of the Sliding Lung Sign by Critical Care Transport Providers
Lyon, Matthew*; Leal, Brian; Walton, Perry; Shiver, Stephen A.

553662 Feasibility of Using M-Mode Ultrasound for the Detection of Pneumothorax During Helicopter Transport
Walton, Perry; Lyon, Matthew; Shiver, Stephen A.*; Fly, Christopher

553864 Musculoskeletal Sonography: Important Scanning Pitfalls
Robertson, Brian*; Jamadar, David A.; Jacobson, Jon A.; Dong, Qian; Berry, Allison A.; Sabb, Brian; Jiang, Yebin

554049 Sonographic Spectrum of Common and Uncommon Testicular and Paratesticular Lesions
Marcelino, Antonio S.*; Correa, Marcos; Viana, Public; Corradi, Gustavo; Donato, Francisco; Jureidini, Regiany; Marconi, Alexandre; Baena, Marcos

554291 The Use of Ultrasound Biomicroscopy to Image Human Ovaries In Vitro
Baerwald, Angela; Dauk, Sarah*; Kanthan, Rani; Singh, Jaswant

Posters are listed and displayed in numerical order, not by specialty.
554304  Ultrasound of Superficial Palpable Masses Including Correlative Imaging
Ackerman, Susan J.*; Irshad, Abid

554416  Transplanted Pancreas Complications: Doppler and Sonographic Appearance
Azar, Nami R.; Nakamoto, Dean A.; Semaj, Flamur*

554424  Ultrasound-Guided Pleurex Catheter Placement for Treatment of Recurrent Malignant Ascites and Pleural Effusion
Azar, Nami R.; Semaj, Flamur*; Nakamoto, Dean A.

554496  Sonographic Features of Extranodal Extension in Axillary Lymph Nodes
Misselt, Paige N.*; Glazebrook, Katrina; Reynolds, Carol; Degnim, Amy; Morton, Marilyn

554549  Cesarean Section: Sonographic Review of Maternal Intrapartum, Postpartum, and Long-term Complications With Cross-sectional Imaging Correlation
McLean, Logan*; Kennedy, Anne; Shaaban, Akram; Woodward, Paula

554720  Confirmation of Central Line Placement Using Power Doppler
Bloch, Scott A.*; Mariani, Peter J.; Bloch, Amy J.

554821  Dandy-Walker Malformations: a Comparison of Prenatal Ultrasound and Magnetic Resonance Imaging
Bauer, Samuel*; Mirza, Fadi; Van der Veer, Anne; Laifer-Narin, Sherelle; Simpson, Lynn L.

555021  Ultrasound Contrast Imaging With Enhanced and Suppressed Microbubble Resonance
Shi, William T.*; Hall, Christopher S.; Rafter, Patrick G.

555035  Acoustic Window Identification for Transcranial Ultrasound Applications
Vignon, Francois*; Arnal, Bastien; Shi, William T.; Burcher, Michael; Powers, Jeff

555148  Estimated Fetal Weight of 4000 or 4500 g: What Mode of Delivery?
Sparks, Teresa N.*; Little, Sarah E.; Grobman, William A.; Odibo, Anthony O.; Stamilio, David; Caughey, Aaron B.

555225  Extratesticular Scrotal Masses
Sommers, Daniel*; Evans, Cameron

555261  Progress in In Vivo Application of Vibro-Acoustography for Breast Lesion Detection
Alizad, Azra*; Whaley, Dana H.; Urban, Matthew W.; Kinnick, Randall R.; Greenleaf, James F.; Fatemi, Mostafa

*Indicates presenting author • 1 CME credit per day during discussion
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<th>Poster Number</th>
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<td>555265</td>
<td>Placenta Previa: Resolution by the Third Trimester</td>
<td>Sparks, Teresa N.∗; Cheng, Yvonne W.; Esakoff, Tania F.; Kim, Lena; Caughey, Aaron B.</td>
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<td>555270</td>
<td>Third-Trimester Ultrasound: How Accurately Does It Predict Birth Weight of Large-for-Gestational-Age Fetuses?</td>
<td>Sparks, Teresa N.∗; Cheng, Yvonne W.; Esakoff, Tania F.; Goldstein, Ruth; Caughey, Aaron B.</td>
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<td>555282</td>
<td>Dynamic Contrast-Enhanced Ultra High-Frequency Sonography to Monitor the Response of Antiangiogenic Therapy in a Murine Xenograft Model</td>
<td>Potdevin Hunnam, Titaina C. U.∗; Tuthill, Theresa A.; Cullinan, Carleen; Dorow, Donna; Hicks, Rodney</td>
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<td>555319</td>
<td>Maternal Blood Loss Differences Between Racial/Ethnic Groups From Deliveries Complicated by Placenta Previa</td>
<td>Kim, Lena H.∗; Caughey, Aaron B.; Escobar, Gabriel</td>
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<td>555322</td>
<td>Perinatal Outcomes and Amniotic Fluid Volume Assessment With and Without Doppler</td>
<td>Tran, Nancy; Tran, Susan∗; Caughey, Aaron B.</td>
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<td>555324</td>
<td>Racial and Ethnic Differences in Neonatal Outcomes of Placenta Previa</td>
<td>Kim, Lena H.∗; Caughey, Aaron B.; Escobar, Gabriel</td>
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<td>555340</td>
<td>Hydrops and Preeclampsia: Another Look Into Mirror Syndrome</td>
<td>Wu, Danny W.∗; Cheng, Yvonne W.; Rand, Larry; Caughey, Aaron B.</td>
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<td>555381</td>
<td>Characterization of New Tissue-Mimicking Materials for Anthropomorphic Breast Ultrasound Phantoms</td>
<td>Cannon, Louise M.∗; Hussey, Matthew; Browne, Jacinta E.</td>
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<td>556169</td>
<td>Performance Testing Methods for a Commercial Automated 3-Dimensional Breast Ultrasound Scanner</td>
<td>Tradup, Donald J.∗; Hangiandreou, Nicholas J.</td>
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<td>556859</td>
<td>Complications of Hepatic Transplantation: An Ultrasonographic Pictorial Review</td>
<td>Shah, Chaitali∗; Prowda, Joan; Bhanushali, Ashok</td>
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<td>563607</td>
<td>Program Director Survey of Ultrasound Usage in Medical School and Residency</td>
<td>Bahner, David∗; Bowen, Jon; Ewing, John</td>
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<td>565443</td>
<td>Sonographic Evaluation of the Subscapularis Tendon After Shoulder Hemiarthroplasty</td>
<td>Lee, Kenneth S.∗; De Smet, Arthur A.; Alove, Robert H.; Craig, Joseph G.; Rosas, Humberto; van Holsbeeck, Marnix T.</td>
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<td>565733</td>
<td>Fetal Heart Screening by Ultrasound in an Appalachian Perinatal Center by 12 Standardized Ultrasound Views</td>
<td>Keller, Andrea L.; Michelfelder, Erik; Chaffin, David; Reeves, Robin; Brooks, Deborah; Singh, Shailini∗</td>
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Sunday, April 5

Convention

Schedule at a Glance

6:30 AM–5:00 PM  Registration Open
7:00 AM–8:00 AM  Meet-the-Professor Sessions
7:00 AM–8:00 AM  Journal of Ultrasound in Medicine Editorial Board Meeting
8:15 AM–10:15 AM  Categorical Courses
8:15 AM–9:15 AM  Exhibit Advisory Council Meeting
8:30 AM–10:30 AM  Ultrasound Practice Accreditation Council Meeting
10:15 AM–11:15 AM  Refreshment Break in the Exhibit Hall
10:15 AM–11:15 AM  Community of Practice Meetings
10:30 AM–12:00 PM  Membership Committee Meeting
11:15 AM–12:15 PM  Just Images Sessions
11:30 AM–1:30 PM  Community of Practice Council Meeting (formerly Council on Sections)
12:30 PM–1:30 PM  Meet-the-Professor Sessions
12:30 PM–1:30 PM  Scientific Poster Discussion
1:45 PM–3:15 PM  Categorical Courses
2:30 PM–5:00 PM  Executive Committee Meeting
3:30 PM–5:00 PM  Scientific Sessions
3:30 PM–5:00 PM  Quick Take Sessions
5:00 PM  AIUM Business Meeting

Visit www.aium2009.org for daily convention blogs, pictures, video clips, Community of Practice news, and more!
Additional CME Opportunities Available Through the AIUM

2009 Postgraduate Courses

Sonography Registry Review
June 6–7, 2009
Montgomery College
Takoma Park, Maryland

Hands-on Musculoskeletal Ultrasound: Diagnostic and Interventional Techniques
July 9–11, 2009
Mayo Clinic
Rochester, Minnesota

Breast Ultrasound: Current Concepts and Future Directions
August 22–23, 2009
Gaylord National Hotel on the Potomac
National Harbor, Maryland

Pediatric Ultrasound: Basic, Advanced, and Problem-Based Imaging
November 14–15, 2009
Eden Roc Hotel
Miami Beach, Florida

Vascular Ultrasound
November 14–15, 2009
Eden Roc Hotel
Miami Beach, Florida

Sonography Registry Physics Review
December 5, 2009
Montgomery College
Takoma Park, Maryland

CME Video Programs
CME video programs are available on a variety of ultrasound topics. To view or purchase any of these programs, visit the AIUM Resource Center in the Westside Ballroom on the Fifth Floor, or visit the online store at www.aium.org.

Journal of Ultrasound in Medicine (JUM) CME Tests
AIUM Members benefit from free online test submission of CME self-study tests from current and archived issues of the JUM—access up to 84 CME tests worth up to 1 CME credit each! Visit www.aium.org.
7:00 AM–8:00 AM

Meet-the-Professor Sessions

Four concurrent Meet-the-Professor sessions (MTPs) are offered at this time. The MTPs must be paid for separately. Visit the registration desk to register for any MTPs that are not sold out.

SUNA1 Preoperative Duplex Ultrasound Arterial Mapping
Natalie Marks, MD
Ziegfeld • Fourth Floor

The objective of this session is to describe duplex arterial mapping as a powerful, unique, and accurate imaging technique for assessment of ischemic lower extremities before revascularization procedures.

SUNA2 Sonography of the Appendix and Abdominal Wall Hernias
Cindy Rapp, BS, RDMS
Wilder • Fourth Floor

Sonography plays a vital role in noninvasive evaluation of patients with right lower quadrant (RLQ) pain. Sonography can differentiate appendicitis and hernias from other etiologies of pelvic pain. Successful demonstration of a normal-sized appendix virtually excludes appendicitis in the patient with RLQ pain. The first portion of this session will cover how to find the normal appendix with sonography. Abdominal wall hernias are a common clinical problem. Sonography is an accurate means of identifying abdominal wall hernias when the clinical diagnosis is uncertain. We will also discuss how to identify inguinal, femoral, and spigelian hernias. On completion of this session, participants will be able to identify the sonographic landmarks for locating the appendix, list the various locations of abdominal wall hernias, and recognize the contents of abdominal wall hernias.

SUNA3 Everything You’ve Always Wanted to Know About Imaging of Uterine Fibroids
Douglas L. Brown, MD
O’Neill • Fourth Floor

After this session, participants will understand common and uncommon sonographic features of uterine fibroids, the appearance of fibroids by computed tomographic, positron emission tomographic, and magnetic resonance scanning, and limitations in the diagnosis of uterine leiomyosarcoma. The role of imaging in evaluating patients for uterine fibroid embolization and focused ultrasound ablation of fibroids will also be discussed.

SUNA4 Transcranial Doppler Ultrasound—Applications From Fetal Life to Brain Death
Dorothy Bulas, MD
Odets • Fourth Floor

Following this session, the participant should be able to describe the numerous applications for transcranial Doppler (TCD) ultrasound, including middle cerebral artery velocities for fetal anemia, neonatal resistive indices for hydrocephalus and asphyxia, and the TCD protocol for sickle cell disease. The use of TCD ultrasound for vasospasm, trauma, and brain death will also be discussed.
8:15 AM–10:15 AM

Categorical Courses

Eight concurrent in-depth courses presented by top experts in the field are conducted during this period.

Acoustic Microscopy
Moderators: Gregory Czarnota, PhD, MD, and Michael Oelze, PhD
Gramercy/Olmstead • Seventh Floor

The objective of the course is to familiarize clinicians and scientists with the latest developments in acoustic microscopy, how these developments are being used to better understand microstructure of tissues, how this better understanding of tissue properties can lead to improved scattering models for imaging at conventional frequencies, and how acoustic microscopy can be used clinically. Clinical applications include intravascular ultrasound, development of techniques to monitor therapy through quantification of cell death and apoptosis, ultrasonically based tissue pathology, and characterization of bone. The latest advances in acoustic microscopy and novel applications will be presented.

8:15 AM–8:20 AM  Introduction  
Michael Oelze, PhD

8:20 AM–8:45 AM  Acoustic Microscopy of Live Cells and Cell Aggregates  
Michael Kolios, PhD

8:45 AM–9:10 AM  Scanning Acoustic Microscopic Characterization of the Microstructure and Microelastic Properties of Bone  
Fabienne Rupin, MD

9:10 AM–9:35 AM  Acoustic Microscopy of Individual Cells and Cell Clusters  
Eike Weiss, MD

9:35 AM–10:00 AM  Multimode Ultrasound Microscope for Biomedical Applications  
Yoshifumi Saijo, MD, PhD

10:00 AM–10:15 AM  Questions and Answers
After-hours Pediatric Imaging
Moderator: Lynn Fordham, MD
Soho/Herald • Seventh Floor

This course will review the ultrasound evaluation of common pediatric emergencies.

8:15 AM–8:20 AM  Introduction
Lynn Fordham, MD

8:20 AM–8:45 AM  Ultrasound Evaluation of the Vomiting Infant
Harriett Paltiel, MD

8:45 AM–9:10 AM  Pelvis
Sara O’Hara, MD

9:10 AM–9:35 AM  Bowel Appendicitis/Intussusceptions and Necrotizing Enterocolitis
Lynn Fordham, MD

9:35 AM–10:00 AM  Scrotal Ultrasound
Brian Coley, MD

10:00 AM–10:15 AM  Questions and Answers

Breast Ultrasound
Moderator: Susan Ackerman, MD
Astor Ballroom • Seventh Floor

The objectives of this course are to familiarize participants with sonographic techniques such as color Doppler imaging for characterizing breast lesions. Postbiopsy management of discordant lesions will also be discussed. At the conclusion of this course, participants will be able to understand the practical application of new techniques such as elastography and 3-dimensional imaging and the role of ultrasound in breast cancer screening.

8:15 AM–8:45 AM  The Role of Color Doppler Sonography in Characterizing Breast Lesions
Susan Ackerman, MD

8:45 AM–9:15 AM  Postbiopsy Management of Breast Lesions:
Understanding Concordant and Discordant Results
Abid Irshad, MD

9:15 AM–9:45 AM  The Role of Ultrasound in Screening for Breast Cancer
Wendie Berg, MD, PhD

9:45 AM–10:15 AM  Three-Dimensional Ultrasound and Elastography of the Breast
Stamatia Destounis, MD
**Elastography**  
*Moderator: Audrey Fleming, RDMS, RVS*  
*Empire Complex • Seventh Floor*

Elastography is a new aspect of ultrasound that has shown great promise in breast imaging. This course will discuss how elastography works, the different methods used in elastography, current uses of elastography, applications that are currently being evaluated, and the proper way to perform an elastographic examination.

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<th>Topic</th>
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<td>What Elastography Is and How Elastography Works</td>
<td>Elisa Konofagou, MD</td>
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<td>8:45 AM–9:15 AM</td>
<td>Clinical Applications</td>
<td>Sughra Raza, MD</td>
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<td>9:15 AM–9:30 AM</td>
<td>Elastography Applications in the Thyroid</td>
<td>Margaret Szabunio, MD</td>
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<td>9:30 AM–10:15 AM</td>
<td>Hands-on Scanning</td>
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**Extremity Trauma**  
*Moderators: Vivek Tayal, MD, and Srikar Adhikari, MD*  
*Shubert Complex • Sixth Floor*

The objective of this course is to discuss ultrasound in the evaluation of closed extremity fractures, the application of ultrasound in evaluating open extremity fractures, and the use of ultrasound in a therapeutic role for treating extremity trauma.

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<th>Time</th>
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<td>Introduction</td>
<td>Vivek Tayal, MD</td>
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<td>8:20 AM–8:50 AM</td>
<td>Ultrasound Evaluation of the Injured Extremity: An Initial Approach</td>
<td>Vivek Tayal, MD</td>
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<td>8:50 AM–9:15 AM</td>
<td>The Therapeutic Role of Ultrasound in Extremity Trauma</td>
<td>Srikar Adhikari, MD</td>
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<td>9:15 AM–9:40 AM</td>
<td>Vascular Injuries in Extremity Trauma</td>
<td>Michael Stone, MD</td>
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<td>9:40 AM–10:05 AM</td>
<td>Extremity Trauma in the Pediatric Patient</td>
<td>James Tsung, MD</td>
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<tr>
<td>10:05 AM–10:15 AM</td>
<td>Questions and Answers</td>
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</table>
First-Trimester Obstetric Ultrasound: Fetal Heart, Bioeffects, and Anomalies
Moderator: Jacques Abramowicz, MD
Broadway Ballroom South • Sixth Floor
The objective of this course is to discuss first-trimester sonographic issues related to bioeffects, fetal anomaly detection, and other systemic anomalies.

8:15 AM–8:20 AM Introduction
Jacques Abramowicz, MD

8:20 AM–9:00 AM Fetal Structural Anomaly Survey: Can It Be Done?
Kafui Demasio, MD, MPH

9:00 AM–9:40 AM Fetal Heart Scanning: How Early Can We Go?
Kathryn Reed, MD

9:40 AM–10:10 AM Is All This Safe for the Fetus?
Jacques Abramowicz, MD

10:10 AM–10:15 AM Questions and Answers

Gynecologic Sonography of Infertility
Moderator: Elizabeth Puscheck, MD, MS
Broadway North • Sixth Floor
Over the last 10 years, ultrasound has revolutionized the field of reproductive endocrinology and infertility. We use ultrasound to evaluate and diagnose reproductive endocrine and infertility problems as well as to monitor patients and do procedures. This session will focus on the initial evaluation of the infertility patient and treatments.

8:15 AM–8:50 AM Using Baseline Ultrasound in the Evaluation and Counseling of the Infertile Couple
Elizabeth Puscheck, MD, MS

8:50 AM–9:25 AM Sonohysterograms to Evaluate the Uterus and Tubes
Alexander Hartman, MD

9:25 AM–10:00 AM Ultrasound Used in Infertility Treatments
Misty Blanchette Porter, MD

10:00 AM–10:15 AM Questions and Answers
Interventional Musculoskeletal Ultrasound
Moderator: Levon Nazarian, MD
Marquis Ballroom • Ninth Floor

At the conclusion of this course, participants will be familiar with various ultrasound-guided procedures of the joint and bursae, soft tissue biopsy techniques, and various tendon procedures, such as calcification lavage and aspiration and percutaneous tenotomy.

8:15 AM–8:35 AM  Tendon and Tendon Sheath  Nathalie Bureau, MD
8:35 AM–8:55 AM  Joint and Bursa  Diana Gaitini, MD
8:55 AM–9:15 AM  Soft Tissue Biopsy  Gregory Saboeiro, MD
9:15 AM–9:25 AM  Questions and Answers
9:25 AM–9:45 AM  Percutaneous Tenotomy of the Common Extensor Tendon  John McShane, MD
9:45 AM–10:05 AM  Intratendinous Injections for Chronic Tendinopathy  Jay Smith, MD
10:05 AM–10:15 AM  Questions and Answers

10:15 AM–11:15 AM  Refreshment Break in the Exhibit Hall

Supported by

10:15 AM–11:15 AM  Community of Practice Meetings

Emergency and Critical Care Ultrasound
Shubert Complex • Sixth Floor

Fetal Echocardiography
Marquis Ballroom • Ninth Floor

Neurosonology
Soho/Herald • Seventh Floor
11:15 AM–12:15 PM

**Just Images Sessions**

**Fetal Echocardiology: Fetal Anatomy**  
Lami Yeo, MD, and Greggory DeVore, MD  
Marquis Ballroom • Ninth Floor

**Gynecologic Ultrasound**  
Phyllis Glanc, MD, CM, BSC, and Sherelle Laifer-Narin, MD  
Broadway Ballroom North • Sixth Floor

**Interventional/Intraoperative Ultrasound**  
Dean Nakamoto, MD, Deborah Rubens, MD, and Wael Saad, MD  
Majestic/Music Box • Sixth Floor

**Musculoskeletal Ultrasound: Rheumatologic Applications**  
Ralf Thiele, MD, Alvin Wells, MD, PhD, Gurjit Kaeley, MBBS, MRCP, Richard Haddad, MD, and Anna Ciechomska, MD, PhD  
Astor Ballroom • Seventh Floor

**Neurosonology**  
Dorothy Bulas, MD, Judy Estroff, MD, and Carol Barnewolt, MD  
Soho/Herald • Seventh Floor

**Pediatric Ultrasound**  
Steven Kraus, MD, and Harris Cohen, MD  
Gramercy/Olmstead • Seventh Floor

**Practice of Obstetric Ultrasound**  
Mindy Horrow, MD, and Sandra Allison, MD  
Broadway Ballroom South • Sixth Floor

**Practice of Sonography**  
Diana McCormick Strickland, BSBA, RDMS, RDCS, and Mani Montazemi, RDMS  
Shubert Complex • Sixth Floor
Meet-the-Professor Sessions

Four concurrent Meet-the-Professor sessions (MTPs) are offered at this time. The MTPs must be paid for separately. Visit the registration desk to register for any MTPs that are not sold out.

SUNP1 Sonographic Evaluation of Thyroid Nodules
Diana Gaitini, MD
Ziegfeld • Fourth Floor

After this session, participants will have learned indications for thyroid sonography, instrumentation and techniques (B-scan and color Doppler imaging), differential diagnosis of diffuse pathology and focal lesions, and indications and techniques for fine-needle aspiration biopsy and percutaneous treatment.

SUNP2 Ultrasound in the Operating Room: A “How to Do It” Guide
Robert Kane, MD
Wilder • Fourth Floor

This session will review practical tips to perform ultrasound-guided biopsies. The various approaches that can be used to perform biopsies and methods to avoid complications will be emphasized.

SUNP3 Coding for Obstetric Ultrasound
Peter Doubilet, MD
O’Neill • Fourth Floor

The objective of this session is to describe appropriate coding in obstetric ultrasound and provide practical advice regarding coding.

SUNP4 Basic Fetal Cardiac Screening
Wesley Lee, MD
Odets • Fourth Floor

At the end of this session, participants will understand how to apply AIUM guidelines for the performance of a second-trimester fetal cardiac screening examination and will also be able to identify common heart abnormalities.

Scientific Poster Discussion
Fourth and Seventh Floor Foyers
Categorical Courses

Seven concurrent in-depth courses presented by top experts in the field are conducted during this period.

Carotid Ultrasound

Moderator: Edward Bluth, MD

Empire Complex • Seventh Floor

After attending this course, participants will be able to understand the criteria used to grade carotid stenosis, understand the criteria used for determining the type of plaque present, and understand the significance of plaque characterization.

1:45 PM–2:00 PM  Treatment: Endarterectomy and Stenting
                   Sidney Holec, MD

2:00 PM–2:15 PM  Intima-Media Thickness Evaluation
                   Joseph Polak, MD, MPH

2:15 PM–2:35 PM  Plaque Characterization
                   Edward Bluth, MD

2:35 PM–2:55 PM  Stenosis Grading
                   John Pellerito, MD

2:55 PM–3:10 PM  Transcranial Doppler Ultrasound
                   Andrei Alexandrov, MD, RV

3:10 PM–3:15 PM  Questions and Answers

Fetal Heart Abnormalities Requiring Immediate Postdelivery Attention

Moderator: Mark Sklansky, MD

Marquis Ballroom • Ninth Floor

The objective of this course is to review those congenital heart abnormalities that will require immediate postdelivery attention. This course is designed to assist practitioners in identifying fetal heart abnormalities and optimizing their prenatal and postnatal management in collaboration with the pediatric cardiology team.

1:45 PM–2:15 PM  Pathophysiology of Fetal Heart Abnormalities
                   Requiring Immediate Postdelivery Attention
                   Lami Yeo, MD

2:15 PM–2:45 PM  Prenatal Diagnosis of Fetal Heart Abnormalities
                   Requiring Immediate Postdelivery Attention
                   Miwa Geiger, MD

2:45 PM–3:15 PM  Management of Fetal Cardiac Defects From a Pediatric
                   Cardiology Standpoint
                   Mark Sklansky, MD
Improving Patient Management With Transvaginal Ultrasound
Moderator: James Shwayder, MD, JD
Broadway Ballroom North • Sixth Floor
This course will address the use of ultrasound in enhancing management of patients with common gynecologic problems, including its use in planning surgical management.

1:45 PM–2:15 PM  Ultrasound in the Evaluation and Management of Abnormal Uterine Bleeding
Steven Goldstein, MD

2:15 PM–2:45 PM  Ultrasound in the Evaluation and Management of Ectopic Pregnancy
William Brown III, MD

2:45 PM–3:15 PM  Ultrasound in the Evaluation and Management of Adnexal Masses
James Shwayder, MD, JD

Key Applications of Transcranial Doppler Ultrasound in Adults and Pediatrics
Moderator: Charles Tegeler, MD
Soho/Herald • Seventh Floor
Following this course, participants will be able to discuss the role of transcranial Doppler (TCD) ultrasound in patients with acute stroke, describe the changes on TCD sonography in patients with cardiovascular and sleep disorders, and list the TCD velocity criteria for increased stroke risk in sickle cell disease.

1:45 PM–2:15 PM  Transcranial Doppler in Acute Stroke: CLOTBUST and Beyond
Andrei Alexandrov, MD, RVT

2:15 PM–2:45 PM  Transcranial Doppler Ultrasound in Cardiovascular, Cerebrovascular, and Sleep Breathing Disorders
 Tatjana Rundek, MD, PhD

2:45 PM–3:15 PM  Transcranial Doppler Ultrasound in Sickle Cell Disease
Charles Tegeler, MD
Multiple Gestation: Basic, Twin-Twin Transfusion Syndrome (TTTS), and Prescribing TTTS

Moderators: Anthony Johnson, DO, and Michael Bebbington, MD, MhSC

Broadway Ballroom South • Sixth Floor

The objective of this course is to describe the basic sonographic evaluation of twins, the evaluation of complicated monochorionic multifetal pregnancies, and treatment options in complicated monochorionic multifetal pregnancies.

1:45 PM–2:15 PM  Basic Sonographic Evaluation of Twins
Ashley Breaux, RDMS

2:15 PM–2:45 PM  Evaluation of Complicated Monochorionic Multifetal Pregancies
Michael Bebbington, MD, MhSC

2:45 PM–3:15 PM  Treatment Options in Complicated Monochorionic Multifetal Pregancies
Anthony Johnson, DO

Therapeutic Ultrasound

Moderators: Thomas Nelson, PhD, Thomas Szabo, PhD, and Vikram Dogra, MD

Shubert Complex • Sixth Floor

This course will introduce one of the fastest growing applications of ultrasound. Aspects of therapeutic ultrasound that will be covered include tumor ablation, healing, surgery, thrombolysis, and drug delivery. Participants will learn clinical applications of new devices and their principles of operation.

1:45 PM–2:15 PM  Healing With Ultrasound: Basic Principles
Michael Bailey, PhD

2:15 PM–2:45 PM  Ultrasound Thrombolysis and Drug Delivery
Christy Holland, PhD

2:45 PM–3:15 PM  Tumor Ablation With High-Intensity Focused Ultrasound
Vikram Dogra, MD
Ultrasound of Palpable Superficial Masses: Nodes, Bumps, and Hernias
Moderator: Wui Chong, FRCR
Astor Ballroom • Seventh Floor

The objective of this course is to provide participants with an approach to assessment of palpable superficial masses. Participants will learn the sono- graphic techniques for distinguishing normal from abnormal lymph nodes, evaluating hernias, and characterizing cutaneous and subcutaneous masses.

1:45 PM–2:15 PM  Palpable Superficial Masses
Susan Ackerman, MD

2:15 PM–2:45 PM  Lymph Nodes
Wui Chong, FRCR

2:45 PM–3:15 PM  Abdominal Hernias
Cindy Rapp, BS, RDMS

1:45 PM–3:15 PM
Accreditation “Getting Started” Workshop
Paula Woletz, MPH, RDMS, RDCS
Gramercy/Olmstead • Seventh Floor
Eight concurrent sessions, each including up to 7 presentations on the latest ultrasound research, are offered during this period. * indicates presenter; (CR) indicates Case Report.

**Abdominal Ultrasound**

**Moderator: Abid Irshad, MD**

**Empire Complex • Seventh Floor**

**3:30 PM–3:42 PM**

554978 [Image Quantification for Diagnosis of Fatty Liver Disease: Magnetic Resonance Imaging and Ultrasound](#)

Tuthill, Theresa A.*; Williamson, Rachel; Gray, Calum D.; Price, Jackie F.; Glancy, Stephen; Marshall, Ian; Hayes, Peter C.; Reynolds, Rebecca M.; Forbes, Shareen; Johnston, Geoffrey; Strachan, Mark W.

**3:42 PM–3:54 PM**

532087 [Nonvisualization of Hepatic Arteries on Post-transplant Doppler Ultrasound: Technical Limitation or Real?](#)

Hedegard, Wade*; Bhatt, Shweta; Saad, Wael; Rubens, Deborah; Dogra, Vikram

**3:54 PM–4:06 PM**

554808 [Impairment of Change in Diameter of the Pancreatic Portion of the Superior Mesenteric Vein: A Sonographic Sign of Chronic Pancreatitis or Fibrosis](#)

Kitamura, Hiroshi*; Koike, Shoichiro; Nomura, Kazuhiko; Arai, Masayuki; Nakagawa, Kan; Miyabayashi, Hideharu; Furuta, Kiyoshi

**4:06 PM–4:18 PM**

538885 [Estimation of Drainable Fluid Volume by Measuring the Fluid Depths at the Paracentesis Site](#)

Irshad, Abid*; Ackerman, Susan J.; Campbell, Amy; Anis, Munazza

**4:18 PM–4:30 PM**

555016 [Enlargement of the Hilar Periportal Space and Medial Segment of the Left Lobe (Segment 4): Prospective Study—Comparison Between Healthy Individuals and Cirrhotic Patients](#)

Correa, Marcos F.; Marcelino, Antonio S.*; Baena, Marcos E.; Corradi, Gustavo; Jureidini, Reginy; Donato, Francisco; Cerri, Luciana; Cerri, Giovanni G.

**4:30 PM–4:42 PM**

537103 [Percutaneous Ultrasound-Guided Treatments Under Low-Acoustic Power Harmonic Imaging With Sonazoid for Hepatocellular Carcinomas Undetected by B-Mode Ultrasonography](#)

Maruyama, Hitoshi*; Takahashi, Masanori; Ishibashi, Hiroyuki; Okabe, Shinichiro; Yoshikawa, Masaharu; Yokosuka, Osamu
Basic Science: Contrast Agents
Moderators: Barry Goldberg, MD, and Charles Church, PhD
Soho/Herald • Seventh Floor

3:30 PM–3:42 PM
555020 Ultrasound-Activated Drug Delivery With a Preclinical Therapy and Imaging System
Shi, William T.*; Böhmer, Marcel; Celebi, Muzaffer; van Wamel, Annemieke; Chin, Chien Ting; Chlon, Ceciel; Klibanov, Alexander L.; Hall, Christopher S.

3:42 PM–3:54 PM
555288 Functional Contrast-Enhanced Ultrasound Imaging to Monitor Rapid Tumor Response Following Selective Internal Radiation Therapy With Yttrium 90
Kono, Yuko*; Ganesan, Karthik; Gauthier, Thomas; Itani, Malak; Park, Seong Jin; Rose, Steven; Mattrey, Robert F.

3:54 PM–4:06 PM
555032 Contrast-Enhanced Ultrasound Detection of Secondary Lymph Nodes
Goldberg, Barry B.*; Merton, Daniel A.; Liu, Ji-Bin; Mi, Chengrong; Jing, Xiang; Berger, Adam; Witkiewicz, Agnieszka

4:06 PM–4:18 PM
555079 Noninvasive Subharmonic Pressure Estimation: In Vitro Experiments and Modeling
Forsberg, Flemming*; Katiyar, Amit; Leodore, Lauren M.; Sarkar, Kausik

4:18 PM–4:30 PM
555334 Brain Molecular Imaging and Nanoparticle Delivery Through the Blood-Brain Barrier
Konofagou, Elisa*; Choi, James; Wang, Shougang; Baseri, Babak

4:30 PM–4:42 PM
554191 Consequences of Glomerular Capillary Hemorrhage Induced in Rats by Diagnostic Ultrasound With a Gas Body Contrast Agent
Miller, Douglas*; Dou, Chunyan; Wiggins, Roger C.

4:42 PM–4:54 PM
554106 Quantifying Ultrasound Contrast Agent Destruction Using Double Passive Cavitation Detection
King, Daniel A.*; Haak, Alexander; Malloy, Michael J.; Yoder, Christian C.; O’Brien, William D. Jr
Basic Science: Tissue Characterization
Moderator: William O’Brien, Jr, PhD
Shubert Complex • Sixth Floor

3:30 PM–3:42 PM
555239 Evaluation of Human Cervical Microstructure Using Quantitative Ultrasound
Feltovich, Helen*; Nam, Kibo; Harter, Josephine; Kliewer, Mark; Hall, Timothy

3:42 PM–3:54 PM
555071 Interlaboratory Comparison of Backscatter Coefficient Estimates for Tissue-Mimicking Phantoms
Anderson, Janelle*; Herd, Maria T.; King, Michael; Haak, Alexander; Hafez, Zachary; Song, J.; Oelze, Michael; O’Brien, William D. Jr; Madsen, Ernest; Zagzebski, James; Hall, Timothy

3:54 PM–4:06 PM
554427 Estimate of the Attenuation Coefficient Using a Clinical Array Transducer for the Detection of Cervical Ripening
Labyed, Yassin*; Bigelow, Timothy A.; McFarlin, Barbara

4:06 PM–4:18 PM
554515 Tissue-Type Imaging of the Prostate and Prostate Cancer Based on Classification by Support Vector Machines
Rondeau, Mark*; Feleppa, Ernest J.; Dasgupta, Shreedevi; Sparks, Deborah; Porter, Christopher R.

4:18 PM–4:30 PM
552266 Improving the Estimation of Attenuation Along the Propagation Path Using Backscattered Echoes From Multiple Sources
Bigelow, Timothy A.

4:30 PM–4:42 PM
555106 The Effect of Scatterer Size Distribution on the Backscatter Coefficient
King, Michael*; Anderson, Janelle; Herd, Maria T.; Madsen, Ernest L.; Hall, Timothy J.; Haak, Alexander; Oelze, Michael L.; O’Brien, William D. Jr

4:42 PM–4:54 PM
554193 A Model of Distributed Phase Aberration for Improved Phase Estimation From Scattering
Tillett, Jason C.*; Astheimer, Jeffrey P.; Waag, Robert C.
Musculoskeletal Ultrasound

Moderators: Kenneth Lee, MD, and William Medford, RDMS
Gramercy/Olmstead • Seventh Floor

3:30 PM – 3:42 PM
553847 The Posterior Interosseous Nerve of the Elbow: Normal Appearance SimulatingEntrapment
Robertson, Brian*; Jamadar, David A.; Jacobson, Jon A.; Dong, Qian; Caoli, Elaine M.; Gest, Thomas; Berry, Allison A.

3:42 PM – 3:54 PM
552630 Ultrasound of Fat Necrosis Involving the Extremity and Torso With Magnetic Resonance Imaging and Histologic Correlation
Walsh, Michael*; Jacobson, Jon A.; Kim, Sung Moon; Lucas, David R.; Morag, Yoav; Fessell, David P.

3:54 PM – 4:06 PM
555385 Sonographic Evaluation of the Supraspinatus Cross-sectional Area in Collegiate Baseball Players
Malanga, Gerard*; Ramirez Del Toro, Jose; Karnaugh, Ronald D.; Dentico, Richard; Komaroff, Eugene

4:06 PM – 4:18 PM
533581 Use of Musculoskeletal Ultrasound by North American Rheumatologists
Kaeley, Gurjit S.

4:18 PM – 4:30 PM
551037 Calcified Tendinitis: Correlation of Ultrasound, Fourier Transform Infrared, and Raman Spectroscopies
Chiou, Hong-Jen*; Lin, Shan-Yang; Chou, Yi-Hong; Hung, Shih-Jei

4:30 PM – 4:40 PM
537015 Multiple Glomus Tumor of the Extremity (CR)
Glazebrook, Katrina*; Most, Mathew; Inwards, Carrie; Sim, Franklin

4:40 PM – 4:52 PM
565421 Acoustoelastography of the Tendon: Applying a New Method for Evaluating Tissue Properties and Deformation of a Porcine Flexor Tendon
Lee, Kenneth S.; Kobayashi, Hiro*; Vanderby, Raymond; Rosas, Humberto; Baer, Geoffrey S.
Obstetric Anomalies: General
Moderators: Luc De Catte, MD, and Janet Adams, RDMS, RVT, CNMT, RT(N)
Astor Ballroom • Seventh Floor

3:30 PM–3:42 PM
552812 Developing Normative Growth Curves for Evaluation of Gastroschisis on Prenatal Ultrasound
Kuret, Verena H.*; Pollard, J.; Cooper, S.; Simrose, R.; Johnson, J.; Roggensack, A.; Connors, G.

3:42 PM–3:54 PM
548473 Predicting Fetal Karyotype in Fetuses With an Omphalocele: The Current Role of Ultrasound
Zork, Noelia*; Kominiarek, Michelle A.; Pierce, Sara M.; Zollinger, Terrell W.

3:54 PM–4:06 PM
555280 Amniotic Fluid Index as a Prognostic Factor in Pregnancies Complicated by Polyhydramnios
Pri-Paz, Shai*; Khalek, Nahla; Simpson, Lynn L.

4:06 PM–4:16 PM
555332 Membranous Aplasia Cutis Congenita: A Recognizable Lesion on Prenatal Ultrasound? (CR)
Jelin, Angie C.*; Glenn, Orit; Strachowski, Loretta; Vargas, Juan

4:16 PM–4:28 PM
555367 Vein of Galen Aneurysmal Malformations: A Correlation Between Prenatal Ultrasound, Magnetic Resonance Imaging Features, and Postnatal Outcome
Hindryckx, An; Naulaers, Gunnar; Locquet, Philippe; Devlieger, Roland; Dymarkowski, Steven; De Catte, Luc*

4:28 PM–4:32 PM
553856 Potential Pitfalls in Gender Determination in the First Trimester
Talukdar, Sabrina; Santolaya-Forgas, Joaquin; Borrell, Toni; Horbaczewski, Cindy; Robinson, Julian N.*
Obstetric Ultrasound: Fetal Growth

Moderators: Teresita Angtuaco, MD, and Cindy Rapp, BS, RDMS

Broadway Ballroom South • Sixth Floor

3:30 PM–3:42 PM

**555553 Umbilical Vein Pulsations Are Caused by Increased Resistance in the Portal Circulation**
Drennan, Kathryn J.∗; Picconi, Jason L.; Hanif, Farhan; Mari, Giancarlo

3:42 PM–3:54 PM

**555247 Prediction of Growth Restriction: Utility of Abdominal Circumference Measurements**
Dharan, Vanita B.∗; Burd, Irina; Srinivas, Sindhu; Wang, Eileen; Schwartz, Nadav

3:54 PM–4:06 PM

**552964 Mitral and Tricuspid E/A Ratio Abnormality and Timing of Delivery of Severe Intrauterine Growth-Restricted Fetuses**
Samson, Jacques E.∗; Picconi, Jason L.; Egerman, Robert; Meyer, Norman; Mari, Giancarlo

4:06 PM–4:18 PM

**549405 Aortic Isthmus Reversed Flow and Arterial Cord pH in Fetuses Delivered at ≤29 Weeks and Weighing ≤750 g**
Patil, Avinash S.∗; Picconi, Jason L.; Meyer, Norman; Egerman, Robert; Mari, Giancarlo

4:18 PM–4:30 PM

**555629 Aortic Isthmus Doppler Transitional Phase in Intrauterine Growth-Restricted Fetuses**
Picconi, Jason L.∗; Hanif, Farhan; Egerman, Robert; Meyer, Norman; Mari, Giancarlo

4:30 PM–4:42 PM

**553069 Maternal Obesity and Ultrasound Accuracy in Fetal Weight Estimation**
Gerber, Susan

4:42 PM–4:54 PM

**554472 Is Abnormal Placentation Associated With Small-for-Gestational-Age Infants?**
Gaitan, Lucia F.; de la Cruz, Lucy; Marimon, Adrian∗; Gonzalez-Quintero, Victor H.
**Obstetric Ultrasound: Heart**

**Moderators:** Leeber Cohen, MD, and Karen Alton, BS, RDMS, RT(R)

Marquis Ballroom • Ninth Floor

3:30 PM–3:42 PM

551822  Increasing the Detection Rate of Normal Fetal Cardiac Structures: A Real-time Approach  
Scott, Ted E. *; Swan, Hans; Moran, Gerald; Mondal, Tapas; Jones, Judy; Guram, Karm; Huff, Jaime

3:42 PM–3:52 PM

553468  Prospective Documentation of Differences in Fetal and Postnatal Presentations of Isolated Noncompaction of the Ventricular Myocardium (CR)  
Vidaeff, Alex C. *; Glaser, Angela; Gupta-Malhotra, Monesha

3:52 PM–4:04 PM

555506  Congenital Cardiac Lesions: Prenatal Readings Versus Outcomes  
Quinn, Kristen *; Trivedi, Neha; Tarsa, Maryam; Caitlin, Hartney; Levy, Denis; Anton, Tracy; Pretorius, Dolores

4:04 PM–4:16 PM

566014  Feasibility of Telemedicine Fetal Echocardiography in a Rural Perinatal Center in Appalachia  
Shoemaker, Misty *; Michelfelder, Erik; Chaffin, David; Reeves, Robin; Brooks, Deborah; Singh, Shailini

4:16 PM–4:28 PM

540328  The Effectiveness of Ultrasound Screening for the Detection of Major Congenital Heart Defects at a Major Teaching Hospital  
Cohen, Leeber S. *; Cabello, Andrea; Goetteiner, Nina

4:28 PM–4:40 PM

548761  Screening for Congenital Heart Defects With 3-Dimensional Fast Acquisition and Sonography-Based Volume Computer-Aided Diagnosis Software at 18 to 22 Weeks Gestation  
Cohen, Leeber S. *; Mangers, Kristie; Platt, Lawrence D.

4:40 PM–4:52 PM

553539  Efficacy of an Isolated Intracardiac Echogenic Focus as a Marker for Down Syndrome  
Spencer, Jeffrey V.; Leftwich, Heidi *; Prabulos, Anne M.; Benn, Peter; Egan, James
Obstetric Ultrasound: New Technology
Moderators: Judy Estroff, MD, and Ana Monteagudo, MD, RDMS
Broadway Ballroom North • Sixth Floor

3:30 PM–3:42 PM
549520 Three-Dimensional Magnetic Resonance Imaging Volumetry of the Brain and Ventricular System in Fetuses With Ventriculomegaly Correlated to Neonatal Outcomes
Pier, Danielle B.*; Levine, Deborah; Kataoka, Milliam L.; Estroff, Judy; Werdich, Xiang Q.; Feldman, Henry A.

3:42 PM–3:54 PM
554234 Three-Dimensional Inversion Rendering of First-Trimester Normal Brain Ventricles
Timor-Tritsch, Ilan E.*; Monteagudo, Ana; Santos, Rosalba

3:54 PM–4:06 PM
554361 A 3-Dimensional Tool for Teaching the Sonographic Assessment of Fetal Anatomy
Bankowski, Heather*; Trampe, Barbara; Heiser, Timothy; Shah, Dinesh; Stewart, Kathy; Droste, Sabine

4:06 PM–4:18 PM
537872 Median View Obtained by an Offline Analysis of 3-Dimensional Fetal Brain Volume Can Provide Easy and Reliable Measurements of the Cerebellar Vermis, Cisterna Magna, and Nuchal Fold
Bornstein, Eran*; Monteagudo, Ana; Santos, Rosalba; Tsymbal, Tanya; Platt, Lawrence D.; Timor-Tritsch, Ilan E.

4:18 PM–4:30 PM
554721 The Use of Transposterior Fornix Scanning in Patients With Uteri in the Neutral Position
Yeh, Hsu-Chong*; Shapiro, Robert; Simpson, William

4:30 PM–4:42 PM
541230 A Systematic Technique Using 3-Dimensional Ultrasound Provides a Simple and Reliable Mode for Rapid Evaluation of the Corpus Callosum
Bornstein, Eran*; Monteagudo, Ana; Santos, Rosalba; Tsymbal, Tanya; Strok, Irina; Keeler, Sean; Timor-Tritsch, Ilan E.
<table>
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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>3:30 PM–3:38 PM</td>
<td>Echogenicity of Focal Liver Lesions: Discrepancies Between Fundamental Versus</td>
<td>Ronald Wachsberg, MD</td>
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<td>Harmonic Mode Findings</td>
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<td>3:38 PM–3:46 PM</td>
<td>Use of Doppler and Volume Imaging in the Diagnosis of Diverticulitis</td>
<td>Edwin Cruz, MD</td>
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<td>3:46 PM–3:54 PM</td>
<td>Biliary Microlithias (Defined as Structures Seen With Endoscopic Retrograde</td>
<td>Barrie Steed, MD</td>
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<td>Cholangiopancreatography Aspirates) Are Detected as Intraluminal Gallbladder</td>
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<td>Echogenic Foci on Routine Gallbladder Ultrasound Utilizing a Unique Rapid Patient</td>
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<td>Rotation Technique</td>
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<td>3:54 PM–4:02 PM</td>
<td>Postablation Tubal Sterilization Syndrome With Hematometra Diagnosed by</td>
<td>Jennifer Nichols, DO, and Eric Bieber, MD</td>
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<td>Ultrasound Following Thermal Balloon Endometrial Ablation</td>
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<td>4:02 PM–4:10 PM</td>
<td>The Utility of 3-Dimensional Evaluation in Sonohysterography</td>
<td>Clara Croce, MD</td>
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**Emergency Ultrasound**

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>3:30 PM–3:38 PM</td>
<td>Ultrasound in the Diagnosis of Hemopneumothorax</td>
<td>Anjali Bharati, DO</td>
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<tr>
<td>3:38 PM–3:46 PM</td>
<td>Pneumoperitoneum: Diagnosis via Ultrasound</td>
<td>Amie Woods, MD</td>
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<tr>
<td>3:46 PM–3:54 PM</td>
<td>Ruptured Cornuate Ectopic Pregnancy Presenting as Pulseless Electrical Activity</td>
<td>Michael Lambert, MD, RDMS</td>
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<td>3:54 PM–4:02 PM</td>
<td>Pediatric Emergency Ultrasound: Diagnosing Intussusception at the Bedside— A Case Series</td>
<td>Stephanie J. Doniger, MD, RDMS</td>
</tr>
<tr>
<td>4:02 PM–4:10 PM</td>
<td>Great Pickup! High-Impact Cases From the Emergency Department</td>
<td>Yiju Liu, MD, RDMS</td>
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<tr>
<td>4:10 PM–4:18 PM</td>
<td>Sonographic Evaluation During Simulated Hypovolemia</td>
<td>Edward Tham, MD</td>
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<td>Time</td>
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<td>4:26 PM–4:34 PM</td>
<td>Real-time Instruction of Emergency Medicine Faculty With Focused Bedside Limited Ultrasound Examinations of Patients in an Academic Emergency Department Michael Antonis, DO, RDMS</td>
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**Obstetric Ultrasound**

Ziegfeld • Fourth Floor

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>3:30 PM–3:38 PM</td>
<td>Ultrasound Examination of Uterine Wall Defects Ashlee Smith, DO</td>
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<tr>
<td>3:38 PM–3:46 PM</td>
<td>Twenty Years of Ultrasound in Family Medicine Obstetrics: Applications for Developing Countries William Rodney, MD</td>
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<tr>
<td>3:46 PM–3:54 PM</td>
<td>Second-Trimester Endovaginal Ultrasound Observation of Sludge and Abnormal Obstetric Outcome: A Prospective Series Vernon Cook, MD</td>
</tr>
<tr>
<td>3:54 PM–4:02 PM</td>
<td>Improving the Detection of Ventricular Septal Defects on Fetal Cardiac Screening Examinations Richard Benoit, MD, MPH</td>
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<td>4:02 PM–4:10 PM</td>
<td>Fetal Epignathus: A Visual Presentation Lisa Allen, BS, RDMS, RDCS, RVT</td>
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<tr>
<td>4:10 PM–4:18 PM</td>
<td>Diagnosis of Heterotopic Pregnancy Using 3-Dimensional Ultrasound Helen Feltovich, MD, MS</td>
</tr>
<tr>
<td>4:18 PM–4:26 PM</td>
<td>A Practical Solution for the Detection of Fetal Heart Defects: A Brief Review of the Opportunities and Challenges Ted Scott, MAppSc</td>
</tr>
</tbody>
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Vascular and Small Parts Ultrasound
O’Neill • Fourth Floor
3:30 PM–3:38 PM Iatrogenic Pulmonary Embolism From Repeated Lower Extremity Sonograms: A Case Report
Nathan Teismann, MD

3:38 PM–3:46 PM From Arteritis to Aneurysm
Nira Beck-Razi, MD

3:46 PM–3:54 PM Hemodialysis Access Duplex Case Studies
Kathleen Hannon

3:54 PM–4:02 PM Use of Ultrasound for Extraocular Movement and Pupillary Reflex Examinations in Patients With Facial Trauma
Stephen Crandall, MD

4:02 PM–4:10 PM Identification of Papilledema with Bedside Ultrasound: A Pilot Study
Nathan Teismann, MD

4:10 PM–4:18 PM Appearance of Neuromas After Head and Neck Surgery
Lynwood Hammers, DO

4:18 PM–4:26 PM Peripheral Nerves in Leprosy: Ultrasound
Thummalakunta Praveen, MD

5:00 PM
AIUM Business Meeting
Columbia/Duffy • Seventh Floor
Posters are available for viewing Friday, April 3, 11:30 AM–5:00 PM, Saturday, April 4, 7:00 AM–4:30 PM, and Sunday, April 5, 7:00 AM–2:00 PM. Authors will be available to discuss their research presented on the following posters on Sunday, April 5, 12:30 PM–1:30 PM.

538639 The Twinkling Artifact Revisited: When and How to Look? Choudhary, Shaile*; Kielar, Ania; St Germain, Jane; Bogie, Lisa J.

551626 First-Trimester Pelvic Pain: Spectrum of Sonographic Findings Chandrasekhar, Chitra*; Birt, Bradley B.

552783 Neonatal Neuromuscular Disorders Associated With Fetal Polyhydramnios Fuchs, Karin*; Bauer, Samuel; Van der Veer, Anne; Simpson, Lynn

554709 Biplanar and 3-Dimensional Ultrasound in Emergency Applications Tayal, Vivek S.*; Weekes, Anthony; Jayarama, Krishnaraj

554722 Prospective Evaluation of Optic Nerve Sheath Diameter Ultrasound Measurement to Rule Out Intracranial Pressure in Adult Nontraumatic Patients Tayal, Vivek S.*; Mahoney, Laurie; Saunders, Timothy; Norton, H. James

554819 Contribution of Echo-Enhanced Contrast Agents in Assessment of Liver, Kidney, and Pancreatic Transplants Marcelino, Antonio S.*; Saito, Osmar; Chipoch, Conrado; Chammas, Maria C.; Cerri, Giovanni G.

555203 Accuracy of Bedside Ultrasound in the Diagnosis of Abscesses in the Emergency Department Corbo, Jill; Wang, Jessica*; Ruder, Sonali; Chertoff, Andrew

555212 Pilot Study: Can Emergency Physicians Diagnosis Acute Appendicitis Using Bedside Ultrasonography? Corbo, Jill; Wang, Jessica*; Begleiter, David

555301 Assessment of Metastatic Spread in Lymph Nodes by Ultrasound Scanning in Combination With Positron Emission Tomographic Imaging in a Murine Melanoma Model Denoyer, Delphine*; Potdevin, Titaina; Dorow, Donna; Hicks, Rod

*Indicates presenting author • 1 CME credit per day during discussion
2009 Exhibitors

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117 American Registry for Diagnostic Medical Sonography (ARDMS)
522 AS Software, Inc
524 ATS Laboratories, Inc
204 Biosound Esaote, Inc
106 Candelis, Inc
107 Center for Fetal Diagnosis and Treatment at Children's Hospital of Philadelphia
303 CIRS, Inc
202 CIVCO Medical Solutions
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323 Cook Medical
120 David Lerner Associates, Inc
317 Digisonics, Inc
218 Fetal Echocardiography/Gold Edition PLUS (2009)
321 Fetal Medicine Foundation USA
505 GE Healthcare
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516 Hitachi Medical Systems America, Inc
519 Imorgon Medical, LLC
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219 Saunders/Mosby-Elsevier
413 Siemens Medical Solutions USA, Inc
113 Society for Maternal-Fetal Medicine (SMFM)
221 SonoSite, Inc
608 Sonultra Corporation
517 Sorna Corporation
205 Sound Ergonomics, LLC
420 Sound Technology, Inc
104 Summit Funding Group, Inc
220 Supersonic Imagine
216 taberna pro medicum GmbH
510 Texas Children’s Fetal Center
103 Toshiba America Medical Systems, Inc
604 Ultrasonix Medical Corporation
109 World Foundation for Ultrasound in Medicine and Biology (WFUMB)
309 Zonare Medical Systems, Inc
2009 Exhibitor Profiles

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Fax: 301-738-0312
E-mail: morgan.kreutz@ardms.org
Website: http://www.ardms.org
The American Registry for Diagnostic Medical Sonography (ARDMS), incorporated in 1975, is an independent, nonprofit organization that administers examinations and awards credentials in the areas of diagnostic medical sonography (RDMS), diagnostic cardiac sonography (RDCS), vascular interpretation (RPVI), and vascular technology (RVT). The ARDMS has more than 52,000 certified individuals throughout the world and is considered the global standard in medical ultrasound credentialing.

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CIVCO is an industry leader in the design, manufacture, and marketing of diagnostic and therapeutic imaging equipment and accessories. CIVCO works in collaboration with original equipment manufacturers to develop innovative products such as image-guided biopsy systems and consumable infection control covers. CIVCO also offers a complete line of imaging supplies, including cardiology accessories, gels, disinfectants, printers, and print media.

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ContextVision is the leading independent developer in medical imaging enhancement, analysis, and processing technologies, serving leading original equipment manufacturers and distributors for 25 years. ContextVision's embedded imaging software is relied on daily by thousands of users around the globe. ContextVision's patented GOP algorithm allows unprecedented image quality to be achieved by simultaneously enhancing fine structure while reducing noise and speckle across magnetic resonance imaging, x-ray, ultrasound, computed tomography, and infrared imaging. ContextVision's technology enables the company's customers to provide superior digital imaging quality to hospitals and clinicians. Such solutions promise more rapid and accurate diagnoses, reduced operator eye fatigue, and ultimately, a greater return on investment for medical imaging users. At the AIUM convention, ContextVision will have the world introduction of its new real-time volumetric image enhancement for ultrasound.
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E-mail: susan.rumple@cookmedical.com
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E-mail: chrismallon@optonline.net
Website: http://www.davidlerner.com
David Lerner Associates, Inc, is a full-service investment firm specializing in conservative and tax-free investments. Based in Syosset, New York, with offices in New Jersey, Connecticut, and Florida, for over 33 years it has featured investments that it believes are based in real value, that regularly pay dividends and interest. Discover the solid middle ground of investing. The appointment is free; the advice could be priceless.

Digisonics, Inc

3701 Kirby Dr
Houston, TX 77098 USA
Phone: 800-940-3240
Fax: 713-529-7999
E-mail: info@digison.net
Website: http://www.digison.net
Digisonics has set the standard for image management and reporting software systems for more than 30 years, with the first review station, the first fully functional Web-based system, and the most configurable multimodality reporting. Digisonics image management and reporting solutions combine high-performance image analysis systems, professional reporting, an integrated clinical database, a powerful picture archiving and communications system image archive, and exceptional solutions for remote connectivity.

Fetal Medicine Foundation USA

3751 Red Oak Ct
Beavercreek, OH 45430 USA
Phone: 818-395-0611
E-mail: naomihg@fetalmedicine.com
Website: http://www.fetalmedicine.com/usa
The Fetal Medicine Foundation (FMF) USA is a nonprofit charitable organization whose main goal is elevating the quality of obstetric ultrasound in the United States through education, quality assurance, and research. The FMF USA provides training and accreditation to physicians and sonographers in nuchal translucency, nasal bone, tricuspid flow, and other new and exciting techniques. The FMF USA is recognized as the world leader in providing training and accreditation in first-trimester screening.

**GE Healthcare**

Booth 505

9900 Innovation Dr, RP2139
Wauwatosa, WI 53226 USA
Phone: 888-202-5528
Website: http://www.gehealthcare.com/user/ultrasound/index.html
GE Healthcare provides transformational medical technologies that will shape a new age of patient care. GE Healthcare’s expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, disease research, drug discovery, and biopharmaceuticals is dedicated to detecting disease earlier and tailoring treatment for individual patients. GE Healthcare offers a broad range of services to improve productivity in health care and enable health care providers to better diagnose, treat, and manage patients.

**GeneCare Medical Genetics Center**

Booth 418

201 Sage Rd, Suite 300
Chapel Hill, NC 27514 USA
Phone: 800-277-4363, 919-942-0021
Fax: 919-967-9519
E-mail: gstuddard68@cs.com
Website: http://www.genecare.com
GeneCare is an international clinical and research center providing comprehensive genetic services, including chromosomes, DNA, fluorescence in situ hybridization, biochemical analyses, first-trimester screening with nuchal translucency (NT)/nasal bone/tricuspid flow, modified sequential analyses, second-trimester multimarker screening, genetic counseling, and consults from American Board of Medical Genetics-certified geneticists. GeneCare facilitates NT, nasal bone, and tricuspid flow training courses as well as educational support.

**Hitachi Medical Systems America, Inc**

Booth 516

1959 Summit Commerce Park
Twinsburg, OH 44087 USA
Phone: 330-425-1313
Fax: 330-405-8173
E-mail: ernstm@hitachimed.com
Website: http://www.hitachimed.com
Hitachi Medical Systems America, Inc (HMSA) is a leading provider of diagnostic imaging systems, including the HI VISION 900, an ultrapremium system featuring the latest in ultrasound acquisition capabilities, including E-mode imaging. E-mode imaging is a completely new way of using ultrasound that assesses the elastic properties of tissue and displays them in real time with the B-mode image using a color map overlay. HMSA also features the HI VISION 5500 with specialized electronic transducers for interventional procedures, minimally invasive surgery, and prostate therapy.
Ultrasound is a cornerstone of your hospital’s imaging department, but are you seeing the most from your investment in it? Chances are, you’re not. If you’re looking at ultrasound images on a multimodality picture archiving and communications system (PACS) workstation, productivity is suffering, and you’re missing out on important diagnostic information. The Imorgon ultrasound PACS is optimized for the way you want to view ultrasound studies today. It lets you automatically display all the information in a patient’s ultrasound study including clips and still images, simultaneously on the same workstation you use to view computed tomographic and magnetic resonance images.

The ICAVL (www.icavl.org) provides a voluntary peer review accreditation process for facilities performing noninvasive vascular testing. The ICAEL (www.icael.org) provides a voluntary peer review for facilities performing echocardiography. The standards and corresponding accreditation material will be displayed at the exhibit, or visit www.intersocietal.org for more information. Also, stop by to learn more about our webcast series Accreditation on Demand.

Kyoto Kagaku Co, Ltd, will showcase its ultrasound-guided phantom lineup for simulation training and educational applications. The abdominal phantom with internal organs and a companion anatomic model, the central venous catheter insertion simulation trainer, the general-purpose quality assurance block, and the new interoperable laparoscopic abdominal phantom will all be featured.
Lippincott Williams & Wilkins, Thieme, Springer, and McGraw-Hill
Booth 212
172 W 109th St, Apt 5E
New York, NY 10025 USA
Phone: 914-400-9964
E-mail: jeff.thompson@wolterskluwer.com
Lippincott Williams & Wilkins, Thieme, Springer, and McGraw-Hill are leading publishers of medical textbooks and journals in the field of ultrasound. A variety of ultrasound-specific texts will be available in the specialties of obstetrics and gynecology, radiology, pain medicine, and more.

Medical Positioning, Inc
Booth 217
1717 Washington
Kansas City, MO 64108 USA
Phone: 800-593-3246, 816-474-1555
Fax: 816-474-7755
Website: http://www.medicalpositioning.com
Medical Positioning, Inc (MPI) is a business that was created to improve diagnostic imaging, principally in the areas of cardiology and radiology. The company manufactures and markets specialty positioning systems. MPI will display the UltraScan table, which has multipurpose design features: drop sections for resting and stress echo, leg supports and a cutout for pelvic ultrasound, carotid head support, and an arm board for vascular exams.

Medical Staffing Network
Booth 115
4525 Weaver Pkwy, Suite 310
Warrenville, IL 60555 USA
Phone: 800-223-9230
E-mail: alliedhealth@msnhealth.com
Website: http://www.msnhealth.com
Medical Staffing Network (MSN) is the choice for your health care assignment close to home and across the country, with more than 100 branch offices nationwide. MSN is able to offer you job opportunities you won't find anywhere else. MSN offers travel, per diem, local contracts, and permanent opportunities for your allied profession. MSN offers professionals top pay, great benefits, and outstanding opportunities. MSN is the right choice for you.

Medison America, Inc
Booth 605
11075 Knott Ave, Suite C
Cypress, CA 90630 USA
Phone: 800-829-7666, 714-889-3000
Fax: 714-889-3030
E-mail: info@medisonusa.com
Website: http://medisonusa.com
Medison's specialized ultrasound equipment is on the cutting edge of technology. The development of automatic volume data acquisition, multibeam technology, and live 3D/4D ultrasound are just a few of the company's technological breakthroughs. Using Medison's automatic data acquisition and live 3D/4D technology, which provides image display in real time, physicians worldwide are performing a
greater number of clinical applications with greater diagnostic confidence than ever before. Breaking new ground in 3D/4D ultrasound technology and providing valuable tools for diagnostics and image-guided procedures, Medison is making the difference that matters.

**NovaRad Corporation**
Booth 213
758 E Utah Valley Drive, Suite 200
American Fork, UT 84003 USA
Phone: 801-642-1001
E-mail: info@novarad.net
Website: http://www.novapacs.com
NovaPACS/NovaRIS have over 450 installations nationwide. With consistently high ratings and new technology, NovaRad products are up and running within weeks. Easy Web-based, on-site 7-year redundant archives, full-featured viewers, enterprise wide reports, patient CDs, sign-off, key images, scheduling, dictation, material requirements planning, tools, and more.

**NTD Laboratories, a PerkinElmer Company**
Booth 521
80 Ruland Rd, Suite 1
Melville, NY 11747 USA
Phone: 631-425-0800
Fax: 631-425-0811
E-mail: ntdlabs@perkinelmer.com
Website: http://www.ntdlabs.com
PerkinElmer is a global company focused on improving the health and safety of people and their environment. From earlier medical insights and more effective therapies to cleaner water and safer homes, PerkinElmer touches the lives of millions of people around the world every day. The world leader in newborn screening, PerkinElmer is an innovator in prenatal testing, preclampsia research, and molecular cytogenetics. NTD Laboratories provides prenatal screening services, and ViaCord supports cord blood banking.

**Parker Laboratories, Inc**
Booth 416
286 Eldridge Rd
Fairfield, NJ 07004 USA
Phone: 800-631-8888, 973-276-9500
Fax: 973-276-9510
E-mail: parker@parkerlabs.com
Website: http://www.parkerlabs.com
Parker Laboratories, Inc, is the leading manufacturer of medical ultrasound and electromedical contact media, including gels, solid gels, and lotions. Some of the products include Aquasonic 100 ultrasound transmission gel, the world standard of medical ultrasound, and the new single- and redesigned 3-bottle Thermasonic gel warmers. Parker products are recognized globally by health care professionals as the standards of excellence and the products of choice for more than 50 years.
PCI Medical, Inc
Booth 610
12 Bridge St, PO Box 188
Deep River, CT 06417 USA
Phone: 800-862-3394
Fax: 866-271-5982
E-mail: info@pcimedical.com
Website: http://pcimedical.com
PCI Medical, Inc, is the leader in vapor management systems for use with high-level disinfectants. We manufacture a wide variety of GUS ductless vapor management systems (soaking stations) that eliminate fume exposure from glutaraldehyde, ortho-phthalaldehyde, and other chemicals. PCI introduces the TD-100, the only automated disinfector for transesophageal ultrasound probes.

Pharmaceutical Innovations, Inc
Booth 616
897 Frelinghuysen Ave
Newark, NJ 07114 USA
Phone: 973-242-2900
Fax: 973-242-0578
E-mail: info@pharminnovations.com
Website: http://www.pharminnovations.com
Visit booth 616 for the latest in disinfecting ultrasound and mammography equipment; learn about T-Spray, M-Spray, and T-Spray II. Also featured is the only breast phantom that heals itself after needle biopsy. Do you want to reduce your carbon footprint? Use UltraPhonic Free for your ultrasound conductivity gel.

Philips Healthcare
Booth 405
3000 Minuteman Rd
Andover, MA 01810 USA
Phone: 800-934-7372, 978-659-2578
Fax: 978-689 9862
E-mail: dave.metzler@philips.com
Website: http://www.philips.com/healthcare
Philips is one of the world’s leading health care technology companies. We are committed to understanding the technological and human needs of patients and caregivers and to delivering solutions that enable more confident diagnoses, more efficient delivery of care, and more positive user experiences. People focused.
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Philips Research
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345 Scarborough Road
Briarcliff Manor, NY 10512
Phone: (914) 945-6188
Fax: (914) 945-6580
E-mail: ralf.seip@philips.com
Website: http://www.research.philips.com/TIPS
Philips Research has developed the Therapy Imaging Probe System (TIPS). TIPS is a non-invasive turnkey solution for all pre-clinical research needs using therapeutic ultrasound. Applications include non-invasive gene therapy, transfection/delivery, site-targeted drug delivery, ultrasound-mediated immunotherapy, and HIFU ablation research.
R4, LLC

6802 West Snowville Rd
Brecksville, OH 44141 USA
Phone: 440-546-4272
Website: http://r4inc.com

R4, LLC, is a full-service provider of ultrasound information systems. R4's Advanced Clinical Exam Reporting Technology 4.0 is the only fully integrated ultrasound reporting, image acquisition, storage and retrieval, and telemedicine system in the women's health care market. Customized to meet practice needs and able to interface to any health information, radiology information, scheduling, and billing system, R4's scalable solutions support the smallest maternal-fetal medicine (MFM) practice to the largest hospital obstetrics and gynecology (Ob/Gyn) department. Our customers report improved practice efficiency using tools that allow them to perform more exams in less time without additional equipment or personnel. R4 solutions are installed in Ob/Gyn and perinatal MFM offices nationwide and are supported by the largest customer service team in the market.

San Diego Marriott Hotel & Marina

Site of the 2010 AIUM Annual Convention • March 24–27, 2010
333 W Harbor Dr
San Diego, CA 92101 USA
Phone: 619-234-1500
Fax: 619-234-8678
Website: http://www.emarketing360.com/marriott/ca/sdmm

With a spectacular waterfront setting in the heart of the city, the San Diego Marriott Hotel & Marina represents one of the area's best locations for business and leisure.

Saunders/Mosby–Elsevier

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Phone: 215-239-3490
Fax: 215-239-3494
Website: http://www.elsevierhealth.com

Elsevier is a leading publisher of health science books and journals, incorporating a family of outstanding imprints. With titles available across a variety of media, including print, online, and CD-ROM, Elsevier is able to supply the information you need in the most convenient format.

Siemens Medical Solutions USA, Inc

51 Valley Stream Pkwy
Malvern, PA 19355 USA
Phone: 610-448-4500
E-mail: e.health@sms.siemens.com
Website: http://www.siemensmedical.com

Siemens Medical Solutions is one of the largest suppliers of medical technologies in the world, offering complete solutions comprising medical devices, advanced information technologies, and services. Siemens Medical Solutions is known for bringing together innovative medical technologies, health care information systems, management consulting, and support services to help customers achieve tangible and sustainable clinical
and financial outcomes. Founded more than 125 years ago, Siemens Medical Solutions brings together innovative medical devices, information technology, and services to help customers streamline workflow.

**Society for Maternal-Fetal Medicine (SMFM)**

Booth 113

409 12th St SW
Washington, DC 20024 USA
Phone: 202-863-2435
Fax: 202-554-1132
Website: http://www.smfm.org

The Society for Maternal-Fetal Medicine (SMFM) is a not-for-profit organization of more than 2000 members that are dedicated to improving perinatal care. The society's primary objectives are to promote and expand education in maternal-fetal medicine and to encourage the exchange of new ideas and research concerning the most recent approaches and treatments for obstetric problems.

**SonoSite, Inc**

Booth 221

21919 30th Dr SE
Bothell, WA 98021 USA
Phone: 888-482-9449, 425-951-1200
Fax: 425-951-6702
Website: http://www.sonosite.com

The MicroMaxx ultrasound system offers high-quality images with speed, durability, and reliability. From busy offices to critical care situations, the system boots up quickly, from off to scanning in less than 15 seconds. The small footprint of this 7.7-lb device gets medical professionals into, and out of, tight spaces fast. SonoSite offers a wide range of transducers, from high-frequency linear to multiplane transesophageal. Extensive quality controls such as “drop testing” ensure that SonoSite products continue to set the industry standard for durability. The MicroMaxx system is backed by a 5-year warranty, still the only such warranty in the industry.

**Sonultra Corporation**

Booth 608

6345 Balboa Blvd, Suite 360
Encino, CA 91316 USA
Phone: 310-877-5702
Fax: 310-861-9054
E-mail: dparker@sonultra.com
Website: http://www.sonultra.com

Sonultra streamlines your workflow while helping to manage your bottom line. For more than 20 years, Sonultra Corporation has equipped 2000+ maternal-fetal medicine, obstetrics and gynecology (Ob/Gyn), and radiology specialists with productivity- and research-enhancing Ob/Gyn reporting and DICOM image management tools. Sonultra offers scalable personal computer–based reporting and image management solutions that easily integrate with your existing picture archiving and communications system, hyperspectral imaging system, radiology information system, and electronic medical records system. Improve your productivity, quality assurance, billing, report distribution, paper management, and data mining.
Sorna Corporation
2020 Silver Bell Rd, Suite 17
Eagan, MN 55122 USA
Phone: 866-SORNACO
Fax: 651-406-9904
E-mail: info@sorna.com
Website: http://www.sorna.com
Sorna's family of automated, networked DICOM CD/DVD publishing systems offers the largest selection to private practices, clinics, and health care centers. Its new MyBaby CD publishing system (Reviewer, Obstetrics Edition) is a low-cost, networked single-CD burner/printer designed and priced specifically for obstetrics and gynecology practices. Its fast and easy to create CDs containing ultrasound and 3D images for patients and DICOM CDs for medical specialists. Your color custom label and patient information are printed directly on the disk. Contact Sorna for your copy of the reviewer CD and a DICOM viewer for CD/DVDs, free to all health care professionals.

Sound Ergonomics, LLC
6830 NE Bothell Way, Suite C-236
Kenmore, WA 98028 USA
Phone: 425-489-3839
Fax: 489-425-9030
E-mail: info@soundergonomics.com
Website: http://www.soundergonomics.com
Sound Ergonomics, LLC, provides consulting services and ergonomic products for injury prevention in allied health personnel. Services include educational programs, clinical site evaluations, and exam room and computer workstation setup consultation. Products include adaptive items for arm, wrist, and transducer cable support, monitor mounts, keyboard trays, exam tables, and seating. New products this year include new sizes of support cushions and the KanguruWeb abdominal retraction system.

Sound Technology, Inc
1343 S Atherton St
State College, PA 16801 USA
Phone: 814-234-4377
Fax: 814-234-5033
E-mail: rick.edmiston@sti-ultrasound.com
Website: http://www.sti-ultrasound.com
Since 1987, Sound Technology, Inc (STI) has provided medical ultrasound original equipment manufacturers (OEMs) with state-of-the-art ultrasound probes and engineering services. Located in central Pennsylvania and a wholly owned subsidiary of Analogic Corporation, STI focuses on innovation and partnership with global customers and suppliers to serve the growing demand for quality and affordable diagnostic ultrasound product solutions. STI designs and manufactures a complete portfolio of ultrasound transducers for a wide range of applications, including radiology, cardiology, obstetrics, gynecology, surgery, ophthalmology, and veterinary medicine. Starting at the initial design phase, STI's engineers work closely with its customers to exceed all technical requirements, guarantee optimal integration between transducers and ultrasound systems, and offer ergonomic solutions for the comfort of both sonographers and patients. Through continuous dedication to innovation and strategic partnerships, STI can now offer its OEM customers the latest technologies, including endocavity probes for real-time volumetric imaging, single-crystal phased probes for superior acoustic performance, and an ergonomically superior endorectal biplane probe.
**Summit Funding Group, Inc**

11500 Northlake Dr, Suite 300  
Cincinnati, OH 45249 USA  
Phone: 513-489-1222, 704-942-8293  
Fax: 704-973-9457  
E-mail: gparratto@4sfg.com  
Website: www.summit-funding.com  

Summit Funding offers the most cost-effective strategies for equipment leasing and financing to companies of all sizes, from small businesses to the Fortune 500. Since its inception in 1993, Summit Funding has funded more than $650 million in leases, proving it has the resources, experience, and financial strength to help its clients increase their sales and overall profitability. Summit Funding is a national lessor with strategic lease and finance programs that continually set a higher standard of excellence. It provides customers with affordable convenient leasing and financing programs to ensure you always have technologically up-to-date equipment. Summit Funding is ready to develop a long-term relationship as your trusted business partner, guiding you and your company through each step of the leasing process. Vendors, visit www.summitvendorfinance.com.

**Supersonic Imagine**

8347 154th Ave NE  
Redmond, WA 98052 USA  
Phone: 425-284-6610  
Fax: 425-284-6623  
E-mail: contactsusa@supersonicimagine.fr  
Website: http://www.supersonicimagine.fr  

SuperSonic Imagine has developed a new ultrasound system, the Aixplorer (US Food and Drug Administration clearance pending), with a unique platform and revolutionary technology. Its flexible software architecture (from beam forming to display) allows an ultrafast acquisition rate of up to 20,000 images per second and generates extraordinary image quality. It also allows the detection and quantification of the movement of shear waves generated by acoustic radiation force. This brings an irrefutable quantitative measurement of tissue elasticity and a real-time color display of the elasticity image. This new real-time ultrasound mode is named ShearWave elastography.

**taberna pro medicum GmBH**

Im Dorf 15a  
21335 Lueneburg, Germany  
Phone: 49-4131-401-555  
Fax: 49-4131-401-755  
E-mail: info@tpm-online.de  
Website: http://www.tpm.eu  

Founded in 1978, taberna pro medicum is proud to be the global leader in digital high-frequency ultrasound for skin imaging, offering everything in one place: development, production, maintenance, repair, sales, and service. In 1986, taberna pro medicum introduced the first commercially available A/B ultrasound system worldwide, the DUB20 20-MHz digital ultrasound imaging system. Options include 3D, X-scanning, skin elasticity, and early detection of osteoporosis risk. Developments for higher quality, better reproducibility, faster imaging, and especially the use of higher frequencies have never stopped. Today, taberna pro medicum handles ultrasound frequencies up to 100 MHz. In 1988, the company received the 510(k) approval from the US Food and Drug Administration.
Texas Children's Fetal Center

6621 Fannin St
Houston, TX 77030 USA
Phone: 877-FetalRx
Fax: 832-825-2624
E-mail: crnewton@texaschildrenshospital.org
Website: http://www.texaschildrens.org/fetal

Texas Children's Fetal Center, located within Texas Children's Hospital in Houston, Texas, is one of only a few centers in the United States and one of only a handful internationally to offer the full spectrum of fetal therapies. Texas Children's Fetal Center's physicians are recognized leaders in fetal medicine and fetal and neonatal surgery. They offer compassionate comprehensive care to meet the needs of pregnant women, including advanced diagnostic procedures and consultation every step of the way, to help families understand complex diagnoses and treatment. The team at Texas Children's Fetal Center is committed to the best possible outcome for each family.

Toshiba America Medical Systems, Inc

2441 Michelle Dr
Tustin, CA 92780 USA
Phone: 714-730-5000
Website: http://www.medical.toshiba.com

An innovator in medical imaging technology, Toshiba America Medical Systems markets, sells, distributes, and services diagnostic imaging systems throughout the United States. Toshiba is committed to providing customers with the patient-focused technology and optimum system performance needed to succeed in today's health care marketplace.

Ultrasonix Medical Corporation

1300-4311 Viking Way
Richmond, BC V6V 2K9, Canada
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Fax: 604-279-8559
E-mail: info@ultrasonix.com
Website: http://www.ultrasonix.com/

Ultrasonix is a leading developer and manufacturer of high-quality diagnostic ultrasound imaging systems. The company's unique OpenSONIX ultrasound technology provides superior image quality, ease of use, and clinical flexibility to adapt to the needs of a variety of specialties. Ultrasonix is a privately held company headquartered in Richmond, British Columbia, Canada, working in partnership with affiliate dealers in more than 65 countries. Ultrasonix is constantly expanding coverage and services to make its leading-edge technology available worldwide.
World Federation for Ultrasound in Medicine and Biology (WFUMB)

Booth 109

14750 Sweitzer Ln, Suite 100
Laurel, MD 20707 USA
Phone: 301-498-0974
Fax: 301-498-4450
E-mail: admin@wfumb.org
Website: http://www.wfumb.org

The World Federation for Ultrasound in Medicine and Biology (WFUMB) provides a foundation for the international collaboration of issues related to diagnostic ultrasound. Established in the late 1960s, WFUMB’s principal focus is to provide resources for ultrasound education programs in developing and emerging countries. WFUMB comprises 6 federations; the American Institute of Ultrasound in Medicine (AIUM), the Asian Federation of Societies for Ultrasound in Medicine and Biology (AFSUMB), the Australasian Society for Ultrasound in Medicine (ASUM), the European Federation of Societies for Ultrasound in Medicine and Biology (EFSUMB), the Latin American Federation of Societies for Ultrasound in Medicine and Biology (FLAUS), and the Mediterranean and African Society for Ultrasound (MASU). These groups represent more than 54,000 physicians, scientists, engineers, and sonographers worldwide.

Zonare Medical Systems, Inc

Booth 309

420 North Bernardo Ave
Mountain View, CA 94043-1839 USA
Phone: 650-230-2800
Fax: 650-230-2828
E-mail: info@zonare.com
Website: http://www.zonare.com

The z.one ultra convertible ultrasound system, the next generation in Zone Sonography technology from Zonare Medical Systems, is the world’s first and only convertible ultrasound platform. At the touch of a button, the z.one ultra instantly converts from a small and light full-featured cart into a 5.5-lb compact ultrasound system with premium imaging and performance, offering a wide variety of clinical imaging applications for greater diagnostic confidence—premium compact ultrasound, anytime, anywhere.
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Institution/Society
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WFUMB

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Acquisition Devices
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Mini PACS
AS Software, Inc
Imorgon Medical, LLC
NovaRad Corporation
Ultrasorx Medical Corporation

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Toshiba America Medical Systems, Inc
Ultrasound Medical Corporation
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Hitachi Medical Systems America, Inc
Medison America, Inc
Philips Healthcare
Siemens Medical Solutions USA, Inc
SonoSite, Inc
Supersonic Imagine
Toshiba America Medical Systems, Inc
Ultrasound Medical Corporation
Zonare Medical Systems, Inc
Bone
Philips Healthcare
Harmonic Imaging
Aloka Ultrasound
Biosound Esaote, Inc
GE Healthcare
Hitachi Medical Systems America, Inc
Medison America, Inc
Philips Healthcare
Siemens Medical Solutions USA, Inc
SonoSite, Inc
Supersonic Imagine
Toshiba America Medical Systems, Inc
Ultrasound Medical Corporation
Zonare Medical Systems, Inc
Intracavitary
Biosound Esaote, Inc
Hitachi Medical Systems America, Inc
Philips Healthcare
Zonare Medical Systems
Laparoscopic
Aloka Ultrasound
Hitachi Medical Systems America, Inc
Obstetrics/Gynecology
Aloka Ultrasound
AS Software, Inc
Biosound Esaote, Inc
ContextVision AB
GE Healthcare
Hitachi Medical Systems America, Inc
Medison America, Inc
Philips Healthcare
Siemens Medical Solutions USA, Inc
SonoSite, Inc
Supersonic Imagine
Toshiba America Medical Systems, Inc
Ultrasound Medical Corporation
Zonare Medical Systems, Inc
Color Flow Doppler
Aloka Ultrasound
Biosound Esaote, Inc
GE Healthcare
Hitachi Medical Systems America, Inc
Medison America, Inc
Philips Healthcare
Siemens Medical Solutions USA, Inc
SonoSite, Inc
Supersonic Imagine
Toshiba America Medical Systems, Inc
Ultrasound Medical Corporation
Zonare Medical Systems, Inc
Preowned
GE Healthcare
Siemens Medical Solutions USA, Inc

Real-time Compound Imaging
Aloka Ultrasound
Biosound Esaote, Inc
ContextVision AB
GE Healthcare
Hitachi Medical Systems America, Inc
Medison America, Inc
Siemens Medical Solutions USA, Inc
SonoSite, Inc
Supersonic Imagine
Toshiba America Medical Systems, Inc
Ultrasound Medical Corporation
Zonare Medical Systems, Inc

Small Parts
Aloka Ultrasound
Biosound Esaote, Inc
ContextVision AB
GE Healthcare
Hitachi Medical Systems America, Inc
Medison America, Inc
Philips Healthcare
Siemens Medical Solutions USA, Inc
SonoSite, Inc
Supersonic Imagine
taberna pro medicum, GmbH
Toshiba America Medical Systems, Inc
Ultrasound Medical Corporation
Zonare Medical Systems, Inc

Three-Dimensional
Aloka Ultrasound
Biosound Esaote, Inc
ContextVision AB
GE Healthcare
Hitachi Medical Systems America, Inc
Medison America, Inc
Philips Healthcare
Siemens Medical Solutions USA, Inc
SonoSite, Inc
Supersonic Imagine
Toshiba America Medical Systems, Inc
Ultrasound Medical Corporation
Zonare Medical Systems, Inc

Urology
Aloka Ultrasound
Biosound Esaote, Inc
GE Healthcare
Hitachi Medical Systems America, Inc
Medison America, Inc
Philips Healthcare
Siemens Medical Solutions USA, Inc
SonoSite, Inc
Toshiba America Medical Systems, Inc
Ultrasound Medical Corporation

Vascular
Aloka Ultrasound
Biosound Esaote, Inc
GE Healthcare
Hitachi Medical Systems America, Inc
ICAVL/ICAEL
Medison America, Inc
Siemens Medical Solutions USA, Inc
SonoSite, Inc
Ultrasound Medical Corporation
Zonare Medical Systems, Inc

Veterinary
Aloka Ultrasound
Biosound Esaote, Inc
Hitachi Medical Systems America, Inc
Medison America, Inc
Philips Healthcare
Siemens Medical Solutions USA, Inc
SonoSite, Inc
Toshiba America Medical Systems, Inc
Ultrasound Medical Corporation
Zonare Medical Systems

Ultrasound-Guided Devices
Philips Research

Interventional
CIVCO Medical Solutions
GE Healthcare
Kyoto Kagaku Co, Ltd
Siemens Medical Solutions USA, Inc
Toshiba America Medical Systems, Inc

Transcranial
Aloka Ultrasound
Biosound Esaote, Inc
GE Healthcare
Hitachi Medical Systems America, Inc
Philips Healthcare
Siemens Medical Solutions USA, Inc
SonoSite, Inc
Toshiba America Medical Systems, Inc
Ultrasound Medical Corporation
Zonare Medical Systems, Inc
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