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# Table of Contents

Schedule at a Glance ............................................................. 2  
General Information............................................................. 4  
Symbol Key ........................................................................ 7  
Interest Tracks..................................................................... 8  
Committee Meeting Schedule .............................................. 12  
Community and Interest Group Meeting Schedule .......... 14  
Case-of-the-Day Challenges ............................................... 15  
CME Credit Information..................................................... 16  
Educational Opportunities ................................................ 18  
Commercial Support Disclosures ....................................... 19  
AIUM Leadership............................................................... 20  
2013 Annual Convention Committee ............................... 21  
New York Marriott Marquis Floor Plans ......................... 22  
Meeting Room Names and Locations .............................. 28  
Preconvention Program | Saturday, April 6 ...................... 29  

## Convention | Sunday, April 7

Schedule at a Glance ............................................................ TAB  
Sunday Convention Program ............................................. 37  
Opening/Awards Session .................................................. 42  

## Convention | Monday, April 8

Schedule at a Glance ............................................................ TAB  
Monday Convention Program ............................................. 51  

## Convention | Tuesday, April 9

Schedule at a Glance ............................................................ TAB  
Tuesday Convention Program ............................................ 79  
New Investigator Award Session ..................................... 93  

## Convention | Wednesday, April 10

Schedule at a Glance ............................................................ TAB  
Wednesday Convention Program ................................. 113  

## E-Posters

E-Posters ............................................................................. 129  

## Community and Interest Group Meetings

Schedule at a Glance ............................................................ TAB  
AIUM Community and Interest Group Meetings .......... 145  
Community Meeting Agendas ....................................... 146  
Interest Group Meeting Agendas ................................... 161  

## Exhibit Information

2013 Exhibitors ............................................................... TAB  
Exhibit Hall Floor Plan ..................................................... TAB  
Exhibitors by Booth Number .......................................... 167  
Exhibitor Profiles ............................................................ 168  
Product Listing ................................................................. 192
Schedule at a Glance

Saturday, April 6, 2013

7:30 AM–5:00 PM  Preconvention Program
5:00 PM–6:30 PM  Presidential Reception for New Members and Leadership (by invitation only)

Sunday, April 7, 2013  Convention Begins

7:30 AM–11:30 AM  Special Interest Sessions
8:00 AM–9:30 AM  Hands-on Special Interest Session
9:00 AM–10:00 AM  Community Meeting
9:45 AM–11:15 AM  Hands-on Special Interest Session
10:00 AM–11:00 AM  Community Meetings
11:30 AM–1:00 PM  Grand Opening Luncheon in the Exhibit Hall
11:30 AM–4:30 PM  Exhibit Hall Open
1:00 PM–3:00 PM  Opening/Awards Session
1:00 PM–5:00 PM  E-Posters Open for Viewing
3:15 PM–5:00 PM  Hands-on Special Interest Session

Monday, April 8, 2013

7:00 AM–8:00 AM  Just Images and Comprehensive Refresher Sessions
8:00 AM–5:30 PM  E-Posters Open for Viewing
8:15 AM–9:15 AM  Community Meeting
8:15 AM–10:15 AM  Special Interest Sessions
9:15 AM–10:15 AM  Community Meeting
9:30 AM–4:30 PM  Exhibit Hall Open
10:15 AM–11:00 AM  Refreshment Break in the Exhibit Hall
11:00 AM–12:30 PM  Special Interest Session
12:30 PM–1:30 PM  Lunch in the Exhibit Hall
1:30 PM–3:30 PM  Special Interest Sessions
3:30 PM–4:00 PM  Refreshment Break in the Exhibit Hall
4:00 PM–5:30 PM  Special Interest Sessions
Tuesday, April 9, 2013

7:00 AM–8:00 AM
Just Images and Comprehensive Refresher Sessions

8:00 AM–5:30 PM
E-Posters Open for Viewing

8:15 AM–10:15 AM
Community Meeting
Three- and Four-Dimensional Volume Data
Set Manipulation: Gynecology
Special Interest Sessions
Hands-on Special Interest Session

9:15 AM–10:15 AM
Community Meetings

9:30 AM–4:00 PM
Exhibit Hall Open

10:15 AM–11:00 AM
Refreshment Break in the Exhibit Hall

10:15 AM–11:15 AM
Community Meeting
Three- and Four-Dimensional Volume Data
Set Manipulation: Obstetrics

11:00 AM–12:30 PM
Scientific Sessions
Film Panel Session
Hands-on Special Interest Session
New Investigator Session

11:30 AM–12:30 PM
Community Meeting

12:30 PM–1:30 PM
Lunch in the Exhibit Hall
Community Meetings

1:00 PM–3:00 PM
Three- and Four-Dimensional Volume Data
Set Manipulation: Obstetrics

1:30 PM–3:30 PM
Special Interest Sessions
Hands-on Special Interest Session
Accreditation “Getting Started” Workshop

3:30 PM–4:00 PM
Refreshment Break in the Exhibit Hall

3:30 PM–5:30 PM
Three- and Four-Dimensional Volume Data
Set Manipulation: Fetal Echocardiography

4:00 PM–5:30 PM
Special Interest Sessions
Hands-on Special Interest Session
Film Panel Session
Scientific Sessions

4:45 PM–5:30 PM
Community Meeting

7:00 PM–11:00 PM
Leadership Banquet *(by invitation only)*

Wednesday, April 10, 2013

7:00 AM–8:00 AM
Just Images and Comprehensive Refresher Sessions

8:00 AM–12:30 PM
E-Posters Open for Viewing

8:15 AM–10:15 AM
Special Interest Sessions

10:15 AM–10:45 AM
Refreshment Break in the AIUM Resource Center
AIUM Business Meeting

10:45 AM–12:30 PM
Special Interest Sessions
Scientific Sessions

12:30 PM–3:30 PM
Board of Governors Meeting
## General Information

### Speaker Ready Room
*Columbia • Seventh Floor*

<table>
<thead>
<tr>
<th>Day</th>
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<tbody>
<tr>
<td>Saturday, April 6</td>
<td>6:00 AM–5:00 PM</td>
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<td>Tuesday, April 9</td>
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<td>Wednesday, April 10</td>
<td>6:30 AM–12:30 PM</td>
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### Exhibit and Press Registration Hours
*Fifth Floor Foyer*

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<td>Tuesday, April 9</td>
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### Exhibit Hall Hours
*Westside Ballroom • Fifth Floor*

<table>
<thead>
<tr>
<th>Day</th>
<th>Activities</th>
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<tr>
<td>Sunday, April 7</td>
<td>Grand Opening Luncheon</td>
<td>11:30 AM–4:30 PM</td>
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<td>Monday, April 8</td>
<td>Refreshment Break</td>
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<td>Tuesday, April 9</td>
<td>Refreshment Break</td>
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<td>Refreshment Break</td>
<td>3:30 PM–4:00 PM</td>
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### AIUM Resource Center and Accreditation Booth Hours
*Fifth Floor Foyer*

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<td>Tuesday, April 9</td>
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<td>Wednesday, April 10</td>
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### AIUM Office Hours
*Gilbert • Fourth Floor*

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Registration Hours

Fifth Floor Foyer

Saturday, April 6 6:30 AM–4:00 PM
Sunday, April 7 6:00 AM–4:00 PM
Monday, April 8 6:00 AM–4:30 PM
Tuesday, April 9 6:00 AM–4:30 PM
Wednesday, April 10 6:00 AM–12:30 PM

Convention Registration Fees

Registration fees are payable with submission of the registration form. Convention registration fees cover attendance to sessions held Sunday, April 7, through Wednesday, April 10, 2013. (Three and Four-Dimensional Volume Data Set Manipulation Sessions and Hands-on Special Interest Sessions have additional fees.)

AIUM Member Registration Rates

To be eligible for AIUM member registration rates, membership must be current through the convention dates.

Three- and Four-Dimensional Volume Data Set Manipulation Sessions

Registration for the Three- and Four-Dimensional Volume Data Set Manipulation Sessions is on a first-come, first-served basis according to the date the receipt of the registration form. There is an additional fee for these sessions. Tickets for entrance to these sessions are required and were issued with your registration materials.

Spouse and Guest Registration

You may register a spouse/guest for $100, which provides access to the Exhibit Hall.

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 if they are accompanied by an adult who will assume responsibility for any damage to exhibits caused by the child. Children are not permitted in the Exhibit Hall during the exhibit setup and dismantlement period.

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

Follow the Convention on Twitter

#AIUM13

Get in on the convention buzz! See what other attendees are talking about and get special updates and announcements. Twitter is built right into the AIUM Convention App! Share your experience and what you’ve learned—it’s easy—use the hashtag #AIUM13.
Videotaping and Photography Policy
The AIUM does not allow any unauthorized videotaping or photography during the AIUM Annual Convention or Preconvention Program except by management and its designated agents.

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

What to Wear
Attire at this year’s convention is business casual. Please note that meeting rooms are air-conditioned, so prepare for all temperatures.

Smoking Policy
The New York 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 silence your cell phone or place it on vibrate during the educational sessions.

Need Help?
If you have questions about the convention, look for the blue shirts. The AIUM staff will be wearing these shirts Saturday, April 6, through Wednesday, April 10.

Hotel Information
New York Marriott Marquis Hotel
1535 Broadway
New York, NY 10036 USA
212-398-1900
www.nymarriottmarquis.com

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

Business Center
The New York Marriott Marquis Hotel has a business center located on the eighth floor. Please contact the hotel for hours of business.

Ultrasound First is an endeavor devoted to education and increasing awareness of the effectiveness of ultrasound in enhancing patient care. Many meeting sessions support the Ultrasound First concept. Look for the Ultrasound First designation throughout the program.

www.aium.org | 6
Symbol Key

Hands-on Special Interest Sessions

Videotaped Sessions That Will Be Available for Purchase in DVD Format Later This Year

Endowment for Education and Research Grant Recipient

Sessions That Support the Ultrasound First Concept

Interest Tracks

- BSI - Basic Science and Instrumentation
- CARDIO - Cardiovascular Ultrasound
- CEUS - Contrast-Enhanced Ultrasound
- ELAST - Elastography
- ERCC - Emergency and Critical Care Ultrasound
- FE - Fetal Echocardiography
- G & A - General and Abdominal Ultrasound
- GYN - Gynecologic Ultrasound
- HFI - High-Frequency Clinical and Preclinical Imaging
- IVIO - Interventional-Intraoperative Ultrasound
- MSK - Musculoskeletal Ultrasound
- NEURO - Neurosonology
- OB - Obstetric Ultrasound
- PEDS - Pediatric Ultrasound
- SONO - Sonography
- THERA - Therapeutic Ultrasound
- GLOBAL - Ultrasound in Global Health
- MEDED - Ultrasound in Medical Education
Interest Tracks

— Hands-on Special Interest Sessions
uf — Ultrasound First Sessions

BSI

Basic Science and Instrumentation
• uf How DoesUltrasound Compare in Safety and Radiation Dose to Other Imaging Modalities? ........... Sun
• Advances in Clinical and Quantitative Pediatric Lung Ultrasound ........ Mon
• New Horizons in Contrast Ultrasound ................ Mon
• Quantitative Ultrasound Biomarkers ........ Mon
• Microbubbles and Drug/Gene Delivery ................ Tues
• Acoustic Radiation Force Impulse Imaging: Benefits and Challenges With Increasing Acoustic Output Beyond Diagnostic Levels ........ Wed
• Two-Dimensional Arrays and 3-Dimensional Ultrasound ................ Wed

CARDIO

Cardiovascular Ultrasound
• Hands-on Renal and Mesenteric Imaging ................ Sun
• Carotid and Upper Extremity Arterial Imaging:
  Pitfalls and Misdiagnoses ................ Mon
• Hands-on Carotid and Transcranial Doppler Ultrasound ........ Mon
• uf Hemodialysis Vascular Access ................ Mon
• Abdominal and Lower Extremity Arterial Imaging:
  Pitfalls and Misdiagnoses ................ Tues
• Understanding Doppler Images and Quality Control of Image Acquisition ................ Tues
• Current Vascular Controversies ................ Wed
• Peripheral Arterial Disease ................ Wed

CEUS

Contrast-Enhanced Ultrasound
• Clinical Applications of Ultrasound Contrast, Part 1 ................ Sun
• New Horizons in Contrast Ultrasound ................ Mon
• Contrast-Enhanced Ultrasound in Pediatrics:
  What Have We Learned and How Can We Apply It? ................ Tues
• Clinical Applications of Ultrasound Contrast, Part 2:
  Novel Applications ................ Wed

ELAST

Elastography
• Elastography 2013 ................ Mon
• Hands-on Elastography ................ Mon
• Breast Elastography ................ Tues

ERCC

Emergency and Critical Care Ultrasound
• Thoracic Ultrasound in the Emergency and Critical Care Patient .......... Sat
• uf Advanced Point-of-Care Cardiac Ultrasound in the Emergency and Critical Care Patient ................ Sun
• uf Ultrasound-Guided Procedures for the Pediatric Patient:
  From the Perspective of Both Point-of-Care and Traditional Approaches ................ Sun
**Interest Tracks**

- **Abdominal and Pelvic Pain in the Emergency Room Patient** | **Mon**
- **Difficult Diagnosis in Emergency and Critical Care: Can Ultrasound Help?** | **Mon**
- **Vaginal Bleeding in the First Trimester** | **Mon**
- **Hands-on How to Do Ultrasound-Guided Interventions** | **Tues**
- **Hands-on Ultrasound-Guided Vascular Access** | **Tues**
- **New Horizons in Critical Care Ultrasound** | **Tues**
- **Teaching and Assessing Point-of-Care Ultrasonography** | **Tues**
- **Lumps, Bumps, and Extremity Pain in the Emergency Room: What Is the Role of Ultrasound?** | **Wed**
- **Point-of-Care Ultrasonography in the Management of the Hypotensive Patient** | **Wed**

**Fetal Echocardiography**

- **Basics of Fetal Cardiac Screening** | **Sat**
- **Choose Your Prognosis: Fetal Cardiac Unknowns** | **Mon**
- **Accreditation “Getting Started” Workshop** | **Tues**
- **Live Fetal Cardiac Scanning by the Experts** | **Tues**
- **Three- and Four-Dimensional Volume Data Set Manipulation: Fetal Echocardiography** | **Tues**
- **Innovative Directions in Fetal Cardiac Imaging** | **Wed**
- **Advanced Fetal Cardiac Evaluation and Comprehensive Overview** | **Wed**

**General and Abdominal Ultrasound**

- **Hands-on Renal and Mesenteric Imaging** | **Sun**
- **Ultrasound Incidentalomas** | **Mon**
- **Accreditation “Getting Started” Workshop** | **Tues**
- **Doppler Evaluation of the Abdomen** | **Tues**
- **Missed Cases: General and Abdominal** | **Tues**
- **Transplant Imaging** | **Tues**
- **Breast Ultrasound** | **Wed**
- **Real or Not? Artifacts in the Abdomen** | **Wed**
- **Ultrasound of the Head and Neck** | **Wed**

**Gynecologic Ultrasound**

- **Gynecology: Pelvic Floor Disorders Using 2- and 3-Dimensional Ultrasound** | **Sat**
- **Recent Innovations in Gynecologic Ultrasound, Including 3-Dimensional Imaging** | **Sun**
- **Gynecologic Imaging Using Multiple Imaging Modalities, Including Ultrasound, Computed Tomography, and Magnetic Resonance Imaging** | **Mon**
- **Pregnancy Locations: Two New Entities** | **Mon**
- **Vaginal Bleeding in the First Trimester** | **Mon**
- **Accreditation “Getting Started” Workshop** | **Tues**
- **Before and After: Case Presentations, Surgical Findings, and Clinical Outcomes** | **Tues**
- **Just Images: Abnormal Bleeding** | **Tues**
- **Three- and Four-Dimensional Volume Data Set Manipulation: Gynecology** | **Tues**
- **Use of Gynecologic Ultrasound in General Practice** | **Tues**
- **Gynecologic Ultrasound: The Basics Revisited** | **Wed**
High-Frequency Clinical and Preclinical Imaging
- Recent Developments in High-Frequency Ultrasonic Transducers and Arrays .............................................. TUES
- Small-Animal Preclinical High-Frequency Imaging .......................................................... TUES

Interventional and Intraoperative Ultrasound
- Interesting Cases in Interventional Ultrasound ....................... MON
- Hands-on How to Do the Biopsy .................................................. TUES
- Hands-on How to Do Ultrasound-Guided Interventions ................. TUES
- Hands-on Ultrasound-Guided Vascular Access ........................................ TUES

Musculoskeletal Ultrasound
- Comprehensive Review of Musculoskeletal Ultrasound ................. SAT
- Interventional Musculoskeletal Ultrasound: Steroid Injections, Dry Needling, and Platelet-Rich Plasma Injections .......... SUN
- Interventional and Other Ultrasound Techniques: How I Do It .......... MON
- Musculoskeletal Ultrasound: How I Do It ....................................... MON
- Cutting-Edge Musculoskeletal Ultrasound: Peripheral Nerves of the Upper Extremity ......................... TUES
- Hands-on Scanning Peripheral Nerves of the Upper Extremity ........ TUES
- Musculoskeletal Ultrasound: Transition From Adults to Pediatrics ......................................................... WED

Neurosonology
- Hands-on Carotid and Transcranial Doppler Ultrasound ................. MON
- Spinal Sonography of Children ................................................ SUN
- Taboos and Opportunities in Sonothrombolysis for Stroke: From Sonothrombolysis in Animals to Stroke Treatment in Patients .... MON
- Perinatal Malformations of the Head, Face, and Neck .................... TUES
- Extracranial Ultrasound of the Head and Neck in Children .................. WED

Obstetric Ultrasound
- Everything You Want to Know About First-Trimester Obstetric Ultrasound .............................................. SAT
- Hands-on Basic Obstetric Ultrasound and Simulation ................. SUN
- Hands-on Advanced Obstetric Ultrasound and Simulation ............ SUN
- Doppler Ultrasound: Basic and Advanced (Beyond the Umbilical Artery) ............................................. MON
- Exploring the Interface of Ethics and Communication in Prenatal Care: A Video-Based Approach ...................... MON
- Obstetric Ultrasound ................................................................. MON
- Obstetric Ultrasound: How Do You Meet the Guidelines? .......... MON
- Mild/Soft Signs of Karyotypic Anomalies ....................................... TUES
- Pearls From the Anatomic Survey (Skeletal Dysplasias and Central Nervous System, Renal, and Chest Abnormalities) .......... TUES
- Three- and Four-Dimensional Volume Data Set Manipulation: Obstetrics ...................................................... TUES
- Three- and Four-Dimensional Obstetric Ultrasound ...................... WED
Pediatric Ultrasound

- Ultrasound-Guided Procedures for the Pediatric Patient: From the Perspective of Both Point-of-Care and Traditional Approaches ........................................ Sun
- Pediatric Hepatobiliary Disorders ....................................................... Mon
- Pediatrics: Shedding Light on Difficult Cases .......................................... Mon
- Accreditation “Getting Started” Workshop ............................................... Tues
- Contrast-Enhanced Ultrasound in Pediatrics: What Have We Learned and How Can We Apply It? ............................................................... Tues
- Perinatal Malformations of the Head, Face, and Neck ............................ Tues
- Perinatal Ultrasound: Fetal and Neonatal Correlations ........................... Tues
- Musculoskeletal Ultrasound: Transition From Adults to Pediatrics ........ Wed
- Ultrasound in the Evaluation of the Child With Acute Abdominal Pain .... Wed

Sonography

- Accreditation “Getting Started” Workshop ............................................... Tues
- All the Things Human Resources and Your Boss Don’t Want You to Know: Sonographer Employment Issues and Salary Levels ........ Tues
- Project Ultrasound: Professional Clarity for the Advanced Ultrasound Professional ......................................................... Wed

Therapeutic Ultrasound

- Cellular Bioeffects and Applications ..................................................... Mon
- Ultrasound-Guided Thrombolysis ......................................................... Wed

Ultrasound in Global Health

- Ultrasound in Global Health ................................................................. Sun

Ultrasound in Medical Education

- Integration of Ultrasound Into Medical School Curricula ....................... Sat
- Medical Student/Resident Hands-on Course .......................................... Sat

Other

- How to Be an Effective Manuscript Reviewer for the Journal of Ultrasound in Medicine ................................................................. Mon
Committee Meeting Schedule

**Friday, April 5**
- 2:00 PM–5:00 PM: Output Standards Subcommittee
  - Brecht • Fourth Floor
- 7:00 PM–9:00 PM: International Electrotechnical Commission Subcommittee
  - Brecht • Fourth Floor

**Saturday, April 6**
- 8:00 AM–2:00 PM: Bioeffects Committee
  - Brecht • Fourth Floor
- 11:30 AM–1:00 PM: Annual Convention Committee
  - Barrymore • Ninth Floor
- 2:00 PM–6:00 PM: Technical Standards Committee
  - Brecht • Fourth Floor
- 2:00 PM–4:00 PM: Finance and Executive Committee
  - Hart • Fourth Floor

**Sunday, April 7**
- 3:15 PM–5:00 PM: Ultrasound Practice Accreditation Council
  - Jolson • Ninth Floor
- 3:45 PM–5:00 PM: Continuing Medical Education Committee
  - Cantor • Ninth Floor

**Monday, April 8**
- 7:00 AM–8:00 AM: *Journal of Ultrasound in Medicine* Subspecialty Editors
  - Barrymore • Ninth Floor
- 10:30 AM–11:30 AM: Web Education Committee
  - Cantor • Ninth Floor
- 11:00 AM–12:30 PM: Membership Committee
  - Jolson • Ninth Floor
- 12:30 PM–1:30 PM: Presidential Advisory Council
  - Barrymore • Ninth Floor
- 4:00 PM–5:30 PM: Clinical Standards Committee
  - Cantor • Ninth Floor
### Committee Meeting Schedule

**Tuesday, April 9**

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:00 AM–8:00 AM</td>
<td><em>Journal of Ultrasound in Medicine</em> Editorial Board</td>
<td>Cantor/Jolson</td>
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<td>Ninth Floor</td>
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<tr>
<td>8:15 AM–9:15 AM</td>
<td>Exhibitor Advisory Council</td>
<td>Barrymore</td>
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<td>Ninth Floor</td>
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<tr>
<td>10:30 AM–12:00 PM</td>
<td>Endowment for Education and Research Committee</td>
<td>Brecht</td>
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<td>Fourth Floor</td>
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<td>4:00 PM–5:00 PM</td>
<td>Sound Judgment Committee</td>
<td>Brecht</td>
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**Wednesday, April 10**

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<th>Location</th>
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<tbody>
<tr>
<td>7:00 AM–8:00 AM</td>
<td>Community Meeting Breakfast</td>
<td>Cantor/Jolson</td>
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<td>Ninth Floor</td>
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<tr>
<td>8:15 AM–10:15 AM</td>
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<tr>
<td>10:15 AM–10:45 AM</td>
<td>AIUM Business Meeting</td>
<td>Jolson</td>
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<td>12:30 PM–3:30 PM</td>
<td>Board of Governors</td>
<td>Marquis Ballroom</td>
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# Community and Interest Group Meeting Schedule

## Sunday, April 7

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<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 9:00 AM–10:00 AM | General and Abdominal Ultrasound Community  
Manhattan Ballroom • Eighth Floor |
| 10:00 AM–11:00 AM | Basic Science and Instrumentation Community  
Marquis Ballroom A/B • Ninth Floor  
Fetal Echocardiography Community  
Gramercy/Olmstead • Seventh Floor  
Interventional/Intraoperative Ultrasound Community  
Manhattan Ballroom • Eighth Floor  
Musculoskeletal Ultrasound Community  
Soho/Herald • Seventh Floor |

## Monday, April 8

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 8:15 AM–9:15 AM | Ultrasound in Global Health Interest Group  
Shubert Complex • Sixth Floor |
| 9:15 AM–10:15 AM | Ultrasound in Medical Education Interest Group  
Shubert Complex • Sixth Floor |
| 12:30 PM–1:30 PM | Cardiovascular Ultrasound Community  
Marquis Ballroom C • Ninth Floor  
Obstetric Ultrasound Community  
Broadway Ballroom North • Sixth Floor  
Sonography Community  
Shubert Complex • Sixth Floor |

## Tuesday, April 9

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 8:15 AM–10:15 AM | Elastography Interest Group  
Hart • Fourth Floor |
| 9:15 AM–10:15 AM | Emergency and Critical Care Ultrasound Community  
Majestic/Music Box • Sixth Floor  
Therapeutic Ultrasound Community  
Manhattan Ballroom • Eighth Floor |
| 10:15 AM–11:15 PM | Pediatric Ultrasound Community  
Majestic Complex • Sixth Floor |
| 11:30 AM–12:30 PM | Neurosonology Community  
Majestic Complex • Sixth Floor |
| 12:30 PM–1:30 PM | Contrast-Enhanced Ultrasound  
Marquis Ballroom C • Ninth Floor  
Gynecologic Ultrasound Community  
Broadway Ballroom South • Sixth Floor |
| 4:45 PM–5:30 PM | High-Frequency Clinical and Preclinical Imaging Community  
Marquis Ballroom A/B • Ninth Floor |
Case-of-the-Day Challenges

Cochairs

Reem Abu-Rustum, MD
Center For Advanced Fetal Care
Tripoli, Lebanon

Kenneth Lee, MD
Department of Radiology
University of Wisconsin School of Medicine and Public Health
Madison, Wisconsin

Therese Weber, MD
Department of Radiology
University of Alabama at Birmingham
Birmingham, Alabama

Cases submitted by

Lauren Alexander, MD
Department of Radiology
University of Alabama at Birmingham
Birmingham, Alabama

David Fessell, MD
Department of Radiology
University of Michigan
Ann Arbor, Michigan

Miwa Geiger, MD
Department of Pediatrics
Division of Pediatric Cardiology
Mount Sinai School of Medicine
New York, New York

Yvette Groszmann, MD, MPH
Diagnostic Ultrasound Associates
Department of Obstetrics and Gynecology
Harvard Medical School
Brigham and Women’s Hospital
Boston, Massachusetts

Felix Hester, BS, RDMS, RVT
Department of Radiology
University of Alabama at Birmingham
Birmingham, Alabama

Sarah Kohn, BS, RT(R), RDMS, RVT
Imaging Sciences
Wisconsin Institutes for Medical Research
University of Wisconsin
School of Medicine and Public Health
Madison, Wisconsin

Brad Lamprich, MD
Department of Radiological Sciences
University of Oklahoma
College of Medicine
Oklahoma City, Oklahoma

Suzanne Long, MD
Musculoskeletal Division
Thomas Jefferson University Hospital
Philadelphia, Pennsylvania

Jessica Millsap, MD
Department of Radiology
University of Alabama at Birmingham
Birmingham, Alabama

Douglas Richards, MD
Intermountain Health Care
Department of Obstetrics and Gynecology
University of Utah Health Sciences Center
Salt Lake City, Utah

Michelle Robbin, MD
Department of Radiology
University of Alabama at Birmingham
Birmingham, Alabama

Judith Simms-Cendan, MD
Winnie Palmer Hospital
Department of Clinical Sciences
University of Central Florida
College of Medicine
Orlando, Florida

Ryan Telford, MD
Department of Radiology
University of Alabama at Birmingham
Birmingham, Alabama

Heidi Umphrey, MD
Department of Radiology
University of Alabama at Birmingham
Birmingham, Alabama

Santosh Uppu, MD
Department of Pediatrics
Division of Pediatric Cardiology
Mount Sinai School of Medicine
New York, New York

Jason Wagner, MD
Department of Radiological Sciences
University of Oklahoma
College of Medicine
Oklahoma City, Oklahoma

Look for Case-of-the-Day Challenges In Fifth Floor Lobby

Case-of-the-Day Challenges are supported in part by Parker Laboratories, Inc.
Activity Description
The 2013 AIUM Annual Convention and Preconvention Program is the most comprehensive, cutting-edge meeting for the entire medical ultrasound community. Our unique multidisciplinary program provides a collaborative environment for all specialties and disciplines, from beginner to advanced.

Accreditation Statement
The American Institute of Ultrasound in Medicine (AIUM) is accredited by the Accreditation Council for Continuing Medical Education (ACME) to provide CME activities for physicians.

Designation Statement
The AIUM designates the 2013 Preconvention Program for a maximum of up to 7.5 AMA PRA Category 1 CME Credits™. The AIUM designates the 2013 Annual Convention for a maximum of up to 30.5 AMA PRA Category 1 CME 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)
The ARDMS accepts AMA PRA Category 1 CME Credits™.

American Registry of Radiologic Technologists (ARRT)
The AIUM is a Recognized Continuing Education Evaluation Mechanism (RCEEM) for the American Registry of Radiologic Technologists (ARRT). These educational activities are approved by the AIUM for ARRT Category A Credits.

Target Audience
This activity is designed to meet the needs of ultrasound professionals from various medical disciplines and specialty areas who perform and interpret ultrasound examinations.

Course Objectives
On completion of this learning activity, participants should be able to:
- Demonstrate updated knowledge in: Basic Science and Instrumentation; Cardiovascular Ultrasound; Contrast-Enhanced Ultrasound; Emergency and Critical Care Ultrasound; Fetal Echocardiography; General and Abdominal Ultrasound; Gynecologic Ultrasound; High-Frequency Clinical and Preclinical Imaging; Interventional-Intraoperative Ultrasound; Musculoskeletal Ultrasound; Neurosonology; Obstetric Ultrasound; Pediatric Ultrasound; Sonography; and Therapeutic Ultrasound.
- Discuss state-of-the-art ultrasound research.
- Practice updated ultrasound skills for more effective diagnosis.
- Apply updated knowledge and clinical skills in improving patient care.

Activity Designed to Change:
- Competence
- Performance

Accreditation Council of Graduate Medical Education (ACGME) Competencies:
These courses are designed to meet one or more of the following ACGME competencies:
- Interpersonal and Communication Skills
- Medical Knowledge
- Patient Care and Procedural Skills
- Practice-Based Learning and Improvement
- Professionalism
- Systems-Based Learning
Disclosure Policy
As a provider accredited by the ACCME, the AIUM must ensure balance, independence, objectivity, and scientific rigor in all its activities. Anyone involved in planning this CME activity is required to disclose to learners any relevant financial relationship(s) that have occurred within the last 12 months with any commercial interest(s) whose products or services are discussed in the CME content. Such relationships are defined by remuneration in any amount from the commercial interest(s) in the form of grants; research support; consulting fees; salary; ownership interest (eg, stocks, stock options, or ownership interest excluding diversified mutual funds); honoraria or other payments for participation in speakers bureaus, advisory boards, or boards of directors; and other financial benefits. Individuals involved in planning will be asked to recuse themselves from any portion of the planning where a bias might exist.

All faculty participating in an educational activity provided by the AIUM are required to disclose to the provider and to the learner any relevant financial relationships with any commercial interest. The AIUM must determine if the faculty’s relationships may influence the educational content with regard to exposition or conclusion and resolve any conflicts of interest prior to the commencement of the educational activity. The intent of this disclosure is not to prevent faculty with relevant financial relationships from serving as faculty but rather to provide members of the audience with information on which they can make their own judgments.

The AIUM has reviewed all disclosures and resolved or managed all identified conflicts of interest, as applicable.

Policy on Unlabeled/Off-Label Usage
The AIUM has determined that disclosure of unlabeled/off-label or investigational use of commercial products is informative for audiences and therefore requires this information to be disclosed to the learners at the beginning of the presentation. Uses of specific therapeutic agents, devices, and other products discussed in this educational activity may not be the same as those indicated in product labeling approved by the US Food and Drug Administration. The AIUM requires that any discussions of such “off-label” use be based on scientific research that conforms to generally accepted standards of experimental design, data collection, and data analysis. Before recommending or prescribing any therapeutic agent or device, learners should review the complete prescribing information, including indications, contraindications, warnings, precautions, and adverse events.

Disclaimer
The information presented in this activity represents the opinion of the faculty and is not necessarily the official position of the AIUM.

Documenting CME Credits
The AIUM provides CME certificates to those who have participated in an AIUM educational activity. The AIUM does not submit credits to regulating bodies or certifying organizations on behalf of the participant. It is the participant’s responsibility to submit proof of credits on his or her own behalf.

Disclosures for This Activity
The faculty, committee members, and AIUM staff involved in planning this CME activity have completed a Disclosure of Financial Relationship. Disclosures are listed under the speaker’s name. All disclosures are printed in the 2013 Annual Convention Official Proceedings. All completed disclosure forms are on file and available for review at the AIUM office.
Educational Opportunities

**Preconvention Program**—Attend courses providing in-depth coverage of ultrasound issues. Earn up to 7.5 AMA PRA Category 1 Credits™ (accepted by the ARDMS) or ARRT Category A Credits.

**Just Images Sessions**—View and discuss unique cases with the physicians who made the diagnosis.

**Comprehensive Refresher Sessions**—Comprehensive Refresher Sessions are venues for luminary speakers to present an overall review of a topic.

**Special Interest Sessions**—Choose from concurrent courses developed by Community chairs and the Annual Convention Committee and presented by distinguished ultrasound professionals.

**Hands-on Special Interest Sessions**—Participate in courses covering basic and advanced obstetric ultrasound, carotid and transcranial Doppler ultrasound, elastography, how to do the biopsy, musculoskeletal ultrasound, renal and mesenteric imaging, ultrasound-guided interventions, and ultrasound-guided vascular access. The cost for these sessions is $30 each. Space is limited.

**Ultrasound First Sessions**—Ultrasound First is an endeavor devoted to education and increasing awareness of the effectiveness of ultrasound in enhancing patient care. Many meeting sessions support the Ultrasound First concept. Look for the Ultrasound First designation throughout the program.

**Film Panel Sessions**—A group of expert panelists will evaluate new and challenging cases in ultrasound.

**Three- and Four-Dimensional Volume Data Set Manipulation Sessions**—Participate in small-group sessions led by renowned ultrasound professionals. Space is limited. Register early as these sessions will sell out quickly. Three- and Four-Dimensional Volume Data Set Manipulation Sessions are not included in the convention registration fee. The cost for these sessions is $30 each.

**Scientific Sessions**—Learn about the latest research in ultrasound.

**Community and Interest Group Meetings**—(Formerly Communities of Practice) Meet with other ultrasound professionals who share your interests, plan future AIUM educational programs, and discuss the issues in your specialty—and earn CME credit.

**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.

**E-Posters**—E-posters allow authors to display their research using a monitor and computer to effectively convey information that would not necessarily be possible with a traditional printed poster.

**Becoming a Journal of Ultrasound in Medicine Reviewer**—Learn the techniques for becoming an effective manuscript reviewer.
Disclosure of Commercial Support for the 2013 AIUM Annual Convention

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Kenneth Lee, MD
Therese Weber, MD

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Mark Sklansky, MD
Ilan Timor, MD

Scientific Sessions Chair
Joan Mastrobattista, MD
Deborah Rubens, MD
Chandra Sehgal, PhD

Three- and Four-Dimensional Volume Data Set Manipulation Sessions Chair
Khaled Sakhel, MD
New York Marriott Marquis Hotel
Fourth Floor

Fourth Floor Rooms
Gilbert—AIUM Office
Hart—Committee Room
Brecht—Committee Room
Ziegfeld—E-Posters
New York Marriott Marquis Hotel

Fifth Floor

Fifth Floor Rooms
Fifth Floor Lobby—AIUM Resource Center and Accreditation Booth
45th Street Side Foyer—AIUM Exhibit and Press Registration, Cases of the Day, Publication Bins, and SUSME/2013: Year of Ultrasound Booth
46th Street Side Foyer—AIUM Registration
Westside Ballroom—Exhibit Hall
New York Marriott Marquis Hotel
Sixth Floor

Sixth Floor Rooms
Broadway Ballroom North—Sessions*
Broadway Ballroom South—Sessions*
Majestic Complex—Sessions*
Shubert Complex—Sessions*

*Special Interest Sessions/Scientific Sessions
New York Marriott Marquis Hotel

Seventh Floor

Seventh Floor Rooms
Astor Ballroom—Sessions*
Columbia—Speaker Ready Room
Soho/Herald—Sessions*
Gramercy/Olmstead—Sessions*
Empire Complex—Sessions*

*Special Interest Sessions/Scientific Sessions
New York Marriott Marquis Hotel

Eighth Floor

Eighth Floor Rooms

Manhattan Ballroom—Special Interest Sessions/Scientific Sessions
New York Marriott Marquis Hotel
Ninth Floor

Ninth Floor Rooms

Barrymore—Committee Room
Cantor—Committee Room

Jolson—Committee Room
Marquis Ballroom—Committee Room/Sessions*

*Special Interest Sessions/Scientific Sessions
Meeting Room Names and Locations in Alphabetical Order

Astor Ballroom • Seventh Floor
Barrymore • Ninth Floor
Brecht • Fourth Floor
Broadway Ballroom North • Sixth Floor
Broadway Ballroom South • Sixth Floor
Cantor • Ninth Floor
Columbia • Seventh Floor
Empire Complex • Seventh Floor
Gilbert • Fourth Floor
Gramercy/Olmstead • Seventh Floor
Hart • Fourth Floor
Jolson • Ninth Floor
Majestic Complex • Sixth Floor
Manhattan Ballroom • Eighth Floor
Marquis Ballroom A/B • Ninth Floor
Marquis Ballroom C • Ninth Floor
Shubert • Sixth Floor
Soho/Herald • Seventh Floor
Westside Ballroom • Fifth Floor
Ziegfeld • Fourth Floor
Saturday, April 6
Preconvention Program

Separate registration required.

Schedule at a Glance

6:00 AM–4:30 PM  Registration Open
7:00 AM–7:30 AM  Preconvention Program Breakfast
7:30 AM–5:00 PM  Comprehensive Review of Musculoskeletal Ultrasound
                    Everything You Want to Know About First-Trimester Obstetric Ultrasound
                    Integration of Ultrasound Into Medical School Curricula
                    Medical Student/Resident Hands-on Course
8:00 AM–2:00 PM  Bioeffects Committee Meeting
11:30 AM–1:00 PM  Annual Convention Committee Meeting
1:00 PM–5:00 PM  Basics of Fetal Cardiac Screening
                    Gynecology: Pelvic Floor Disorders Using 2- and 3-Dimensional Transperineal Sonography
                    Thoracic Ultrasound in the Emergency and Critical Care Patient
2:00 PM–6:00 PM  Technical Standards Committee Meeting
2:00 PM–4:00 PM  Finance and Executive Committee Meeting
5:00 PM–6:30 PM  Presidential Reception for New Members and Leadership
                    (by invitation only)
7:00 AM–7:30 AM

Preconvention Program Breakfast

Breakfast will be provided outside each room.

7:30 AM–5:00 PM

Full-Day Courses

Comprehensive Review of Musculoskeletal Ultrasound

Earn up to 7.5 CME credits.

Marquis Ballroom • Ninth Floor

Moderators: David Fessell, MD, Kenneth Lee, MD

Speakers: J. Anthony Bouffard, MD, Nathalie Bureau, MD, Joseph Craig, MD, ChB, Gandikota Girish, MD, Humberto Rosas, MD, Colin Strickland, MD

On completion of this course, participants should know how and when to perform musculoskeletal ultrasound examinations to evaluate the shoulder, elbow, wrist, hip, knee, foot, and ankle.

Everything You Want to Know About First-Trimester Obstetric Ultrasound

Earn up to 7.5 CME credits.

Astor Ballroom • Seventh Floor

Moderator: Jacques Abramowicz, MD

Speakers: Jacques Abramowicz, MD, Leeber Cohen, MD, Phyllis Glanc, MD, Randall Kuhlmann, MD, PhD, Joaquin Santolaya, MD, PhD, Jean Spitz, MPH, RDMS, Ilan Tur-Kaspa, MD, Ilan Timor, MD, Yaron Zalel, MD

On completion of this course, participants should be able to describe the sonographic signs of normal and abnormal gestations and define the role of ultrasound in the early diagnosis of fetal anomalies.
Integration of Ultrasound Into Medical School Curricula

Earn up to 7.5 CME credits.

**Soho/Herald • Seventh Floor**

*Moderator: David Bahner, MD, RDMS*

*Speakers: Alfred Abuhamad, MD, Eric Adkins, MD, MSc, David Amponsah, MD, RDMS, Michael Blaivas, MD, Creagh Boulger, MD, John Christian Fox, MD, RDMS, Richard Hoppmann, MD, Matt Jackson, PhD, Alexander Levitov, MD, RDMS, Daniel Lichtenstein, MD, Teresa Liu, MD, Vicki Noble, MD, RDMS, James Palma, MD, John Pellerito, MD*

This course convenes traditional and nontraditional imaging specialists to discuss the state of ultrasound in medical student education. By describing the current state and potential challenges, this activity hopes to bring awareness to those looking for the next steps in medical student ultrasound curricular development. Topics include model curriculum for ultrasound education—from student to fellow: setting the bar(s); changing culture at the local and national levels: a top-down approach; a bottom-up approach: how to get involved in the preclinical years; a bottom-up approach: how to get involved in the clinical years in medical school; how we assess ultrasound competency in undergraduate and graduate medical education; being prepared for the critical moments within medicine: a sonographic approach to common emergencies; institutionalizing the culture of ultrasound: a focused approach to centralizing resources and mentorship; and the future of point-of-care ultrasound.

Medical Student/Resident Hands-on Course

No CME credit is associated with this course.

**Empire Complex • Seventh Floor**

*Moderator: Joan Mastrobattista, MD*

*Speakers: J. Oscar Barahona, BS, RDMS, Michael Blaivas, MD, Mary Carroll, MD, Eitan Dickman, MD, Frederick Kremkau, PhD, Michelle Pearl, MD, Michael Stone, MD, Franklin Tessler, MD, CM*

This course is designed specifically for residents and medical students with no prior ultrasound experience and will provide the basics of diagnostic ultrasound imaging. Equipment terminology and functionality will be discussed. Participants will learn about principles of sonography and Doppler, knobology and machine controls, abdominal imaging, emergency department ultrasound, obstetric and gynecologic ultrasound, duplex Doppler ultrasound, and carotid imaging. We will offer a hands-on portion to this class in the afternoon session. On completion of this course, participants will be aware of the importance of ultrasound energy and the effects of improper machine settings and will learn tricks to optimize image quality.
8:00 AM–6:00 PM
Committee Meetings

8:00 AM–2:00 PM  
Bioeffects Committee  
Brecht • Fourth Floor

11:30 AM–1:00 PM  
Annual Convention Committee  
Barrymore • Ninth Floor

2:00 PM–6:00 PM  
Technical Standards Committee  
Brecht • Fourth Floor

2:00 PM–4:00 PM  
Finance and Executive Committee  
Hart • Fourth Floor

1:00 PM–5:00 PM
Afternoon Half-Day Courses

Basics of Fetal Cardiac Screening  
Earn up to 3.5 CME credits.
Manhattan Ballroom • Eighth Floor
Moderator: Mark Sklansky, MD
Speakers: Gregory DeVore, MD, Mary Donofrio, MD, Liat Gindes, MD, Jay Pruettz, MD, Lynn Simpson, MD, MSc, Mark Sklansky, MD, Julia Solomon, MD

The objective of this course is to review the basic approach to screening the low-risk pregnancy for fetal heart disease, including the following topics: optimization of settings, confirming a normal 4-chamber view, confirming normal outflow tracts, confirming normal aortic arch and venous returns, the importance of outflow tracts, and pitfalls and pearls.

Gynecology: Pelvic Floor Disorders Using 2- and 3-Dimensional Transperineal Sonography  
Earn up to 3.5 CME credits.
Gramercy/Olmstead • Seventh Floor
Moderator: Ilan Timor, MD
Speakers: Arthur Fleischer, MD, Laura Kim, MD, Ilan Timor, MD

Disorders of the pelvic floor are just recently being investigated by sonography, and there is little experience or knowledge of what to look for.
If You Don’t Tell Us, How Will We Know?

Complete Your Evaluation Form!

An e-mail will be sent to you to complete the Preconvention Program evaluation.

This is your chance to tell us what you think about the Preconvention Program courses you attended and the programs you want in the future. Your opinion is important! 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.
Customize Your 2013 AIUM Annual Convention Experience With the Convention App!

The AIUM Annual Convention is easier to navigate with the help of the Convention App

- Create your personal convention schedule with date, time, and room reminders.
- Receive interactive, current meeting information on your favorite convention activities and sessions through the scrolling Twitter feed across the bottom of the screen.
- Connect with vendors and view their latest product information, spec sheets, and more.

Download the 2013 AIUM Annual Convention App on Apple, Android, or Blackberry mobile devices and tablets!

Scan the QR code or visit http://crwd.cc/aium2013 with your mobile device to download the 2013 Convention App.
## Convention

**Sunday, April 7**

### Schedule at a Glance

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 AM–4:30 PM</td>
<td>Registration Open</td>
</tr>
<tr>
<td>7:30 AM–11:30 AM</td>
<td>Special Interest Sessions</td>
</tr>
<tr>
<td>8:00 AM–9:30 AM</td>
<td>Hands-on Special Interest Session</td>
</tr>
<tr>
<td>9:00 AM–10:00 AM</td>
<td>Community Meeting</td>
</tr>
<tr>
<td>9:45 AM–11:15 AM</td>
<td>Hands-on Special Interest Session</td>
</tr>
<tr>
<td>10:00 AM–11:00 AM</td>
<td>Community Meetings</td>
</tr>
<tr>
<td>11:30 AM–1:00 PM</td>
<td>Grand Opening Luncheon in the Exhibit Hall</td>
</tr>
<tr>
<td>11:30 AM–4:30 PM</td>
<td>Exhibit Hall Open</td>
</tr>
<tr>
<td>1:00 PM–3:00 PM</td>
<td>Opening/Awards Session</td>
</tr>
<tr>
<td>1:00 PM–5:00 PM</td>
<td>E-Posters Open for Viewing</td>
</tr>
<tr>
<td>3:15 PM–5:00 PM</td>
<td>Special Interest Sessions</td>
</tr>
<tr>
<td>3:45 PM–5:00 PM</td>
<td>Ultrasound Practice Accreditation Council Meeting</td>
</tr>
</tbody>
</table>

### AIUM Resource Center

**Fifth Floor Foyer**

Attention convention attendees! Stop by the AIUM Resource Center to check out all the products that the AIUM has to offer. Members receive a 50% discount on most products including ultrasound-related CME DVD programs, publications, pamphlets, merchandise, and more.

**Stop by for special on-site discounts on select DVD programs.**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, April 6</td>
<td>8:00 AM–4:30 PM</td>
</tr>
<tr>
<td>Sunday, April 7</td>
<td>8:00 AM–4:30 PM</td>
</tr>
<tr>
<td>Monday, April 8</td>
<td>8:00 AM–4:30 PM</td>
</tr>
<tr>
<td>Tuesday, April 9</td>
<td>8:00 AM–4:30 PM</td>
</tr>
<tr>
<td>Wednesday, April 10</td>
<td>8:00 AM–12:30 PM</td>
</tr>
</tbody>
</table>
OB-View Net
Web-based Ultrasound Interpretation
Anywhere, Anytime

www.digisonics.com
800-940-3240

Visit us at AIUM 2013: Booth #604
7:30 AM–11:30 AM

Special Interest Sessions

Recent Innovations in Gynecologic Ultrasound, Including 3-Dimensional Imaging

Earn up to 3.5 CME credits.

**Astor Ballroom • Seventh Floor**

**Moderator: Beryl Benacerraf, MD**

In this session, advances in 3-dimensional sonography will be discussed, including practical applications for use in many aspects of gynecology practice and many conditions.

- **7:30 AM–8:00 AM** Three-Dimensional Ultrasound for Uterine Shape Abnormalities: No More Magnetic Resonance Imaging
  *Rochelle Andreotti, MD*

- **8:00 AM–8:30 AM** Three-Dimensional Ultrasound Is Necessary in Patients With Pelvic Pain (Intrauterine Devices, Endometriosis, etc)
  *Beryl Benacerraf, MD*

- **8:30 AM–9:00 AM** How Can 3-Dimensional Ultrasound Improve the Diagnosis of Adnexal Abnormalities (Hydrosalpinx)?
  *Ilan Timor, MD*

- **9:00 AM–9:30 AM** Three-Dimensional Ultrasound of the Endometrium Including Sonohysterography (Polyps, Fibroids, etc)
  *Rochelle Andreotti, MD*

- **9:30 AM–10:00 AM** Break

- **10:00 AM–10:30 AM** Controversies of How to Treat Unusual Ectopic Pregnancies
  *Ilan Timor, MD*

- **10:30 AM–11:00 AM** Complex Ovarian Mass: Which Ones Are Malignant?
  *Beryl Benacerraf, MD*

- **11:00 AM–11:30 AM** Questions and Answers
Ultrasound-Guided Procedures for the Pediatric Patient: From the Perspective of Both Point-of-Care and Traditional Approaches

Earn up to 3.5 CME credits.

Marquis C Ballroom • Ninth Floor

Moderators: Alyssa Abo, MD, Beth Kline-Fath, MD

The objective of this session is to describe the use of ultrasound to guide interventions and manage therapy in the pediatric patient by both point-of-care and traditional approaches.

7:30 AM–7:50 AM Pediatric Emergency Medicine: Head and Neck
Adam Sivitz, MD

7:50 AM–8:20 AM Pediatric Radiology: Head and Neck
William Shiels, DO

8:20 AM–8:40 AM Pediatric Emergency Medicine: Vascular
Alexander Arroyo, MD

8:40 AM–9:00 AM Pediatric Radiology: Vascular
John Racadio, MD

9:00 AM–9:30 AM Break

9:30 AM–9:55 AM Pediatric Emergency Medicine: Lung
Alyssa Abo, MD

9:55 AM–10:20 AM Pediatric Radiology: Lung
Christopher Cassady, MD

Jason Fischer, MD

10:55 AM–11:20 AM Pediatric Radiology: Musculoskeletal
Neil Johnson, MD

11:20 AM–11:30 AM Questions and Answers
8:00 AM–9:30 AM

Special Interest Session

*S1 Hands-on Basic Obstetric Ultrasound and Simulation

Earn up to 1.5 CME credits.

Empire Complex • Seventh Floor

Moderator: Jude Crino, MD

Hands-on Faculty: Kathleen Bradley, MD, Kristen Diffenderfer, BS, RDMS, RVT, Bryan Freeman, MD, Angela Glaser, RDMS, M. Ann Hamrick, RDMS, RVT, Luis Izquierdo, MD, Hyeyoung Ju, BS, RDMS, RVT, RDCS, Martha Kelley-Martinez, RT, RDMS, Janet LaFerriere, RDMS, Rachel Mazza, BS, RDMS, RVT, Cyrethia McShane, BS, RDMS, Sarah Millard, BS, RDMS, Jessica Roberts, RDMS, Celeste Sheppard, MD, Julia Solomon, MD, Shannon Trebes, RDMS, RVT, Cynthia Walker, RDMS, RT(R), Joseph Wax, MD, Maria Zaharieva, MD, RDMS, RVT

Participants will scan second-trimester pregnant models with supervision by sonographer and physician experts. Skills taught in this basic-level session include image optimization, fetal biometry, and the basic fetal anatomic survey. Simulation stations for endovaginal scanning, amniocentesis, and fetal blood sampling will be available. Preregistration required.

9:00 AM–10:00 AM

Community Meeting

**G&A General and Abdominal Ultrasound Community**

Earn up to 1 CME credit.

Manhattan Ballroom • Eighth Floor
9:45 AM–11:15 AM

Special Interest Session

**E02 Hands-on Advanced Obstetric Ultrasound and Simulation**

Earn up to 1.5 CME credits.

Empire Complex • Seventh Floor

Moderator: Jude Crino, MD

Hands-on Faculty: Kathleen Bradley, MD, Kristen Diffenderfer, BS, RDMS, RVT, Bryan Freeman, MD, Angela Glaser, RDMS, M. Ann Hamrick, RDMS, RVT, Luis Izquierdo, MD, Hyeyoung Ju, BS, RDMS, RVT, RDCS, Martha Kelley-Martinez, RT, RDMS, Janet Laferriere, RDMS, Rachel Mazza, BS, RDMS, RVT, Cyrethia McShane, BS, RDMS, Sarah Millard, BS, RDMS, Mary O’Day, MD, Jessica Roberts, RDMS, Celeste Sheppard, MD, Julia Solomon, MD, Shannon Trebes, RDMS, RVT, Cynthia Walker, RDMS, RT(R), Joseph Wax, MD, Maria Zaharieva, MD, RDMS, RVT

This session is appropriate for those with experience in basic-level obstetric ultrasound or who have attended the basic-level hands-on session. Participants will scan second-trimester pregnant models with supervision by sonographer and physician experts. Skills taught in this advanced-level session include detailed fetal anatomy, Doppler velocimetry, and basic 3- and 4-dimensional techniques. Simulation stations for endovaginal scanning, amniocentesis, and fetal blood sampling will be available. **Preregistration required.**

10:00 AM–11:00 AM

Community Meetings

Earn up to 1 CME credit each.

**BSI** Basic Science and Instrumentation Community

Marquis Ballroom A/B • Ninth Floor

**FE** Fetal Echocardiography Community

Gramercy/Olmstead • Seventh Floor

**IVIO** Interventional and Intraoperative Ultrasound Community

Manhattan Ballroom • Eighth Floor

**MSK** Musculoskeletal Ultrasound Community

Soho/Herald • Seventh Floor
AIUM CME Opportunities

2013 Postgraduate Courses

7th Annual
Hands-on Diagnostic and Interventional Musculoskeletal Ultrasound:
A Problem-Solving Approach
June 27–29, 2013 • Mayo Clinic • Rochester, Minnesota | Jay Smith, MD, Course Chair
Earn up to 24.5 AMA PRA Category 1 Credits™ (accepted by the ARDMS) or ARRT Category A Credits
SOLD OUT

Pelvic Ultrasound: Solving Gynecologic Problems With Imaging
November 1–2, 2013 • Hilton Orlando Bonnet Creek Hotel • Orlando, Florida | Beryl Benacerraf, MD, Course Director
Registration is now open.

Ultrasound for the Emergent and Critically Ill Pediatric Patient
November 1–2, 2013 • Hilton Orlando Bonnet Creek Hotel • Orlando, Florida | Alyssa Abo, MD, Course Director
Registration opens in late spring.

2014 AIUM Annual Convention
March 29–April 2, 2014 • Caesars Palace • Las Vegas, Nevada

CME DVD Programs
DVD programs offering CME credit are available on a variety of ultrasound topics.
For more information, or to purchase any of these programs, visit the online store at www.aium.org.

Journal of Ultrasound in Medicine
CME Tests
AIUM members receive FREE online submission of CME self-study tests from current and archived issues of the journal—access up to 84 CME tests worth up to 1 CME credit each!

Webinars
Archived and upcoming webinars on a variety of medical ultrasound topics are available online with FREE CME credit available to AIUM members.

Subject to change.

Visit www.aium.org for more information.
11:30 AM–1:00 PM  
Grand Opening Luncheon in the Exhibit Hall  
Westside Ballroom • Fifth Floor

The Grand Opening Luncheon will be held in the Exhibit Hall. Take the time to interact with colleagues as well as representatives from leading companies in the ultrasound industry. Lunch will be provided.

1:00 PM–3:00 PM  
Opening/Awards Session  
Broadway Ballroom • Sixth Floor

William J. Fry Memorial Lecture Award  
Ultrasonic Domination: Medical Imaging, Medicine, Daily Life  
Paul Carson, PhD

Earn up to 1 CME credit.

The most employed medical imaging modality in the world, far from undergoing just simple refinements, ultrasound has major untapped potential and could also perform a leading role in medical treatment. We have fought its use in entertainment. Is it time to embrace its full-scale use, even in personal care and beyond—in peri-apocalyptic cultures? What is good for people and life/intelligence?

Joseph H. Holmes Clinical and Basic Science Pioneer Awards  
Peter Arger, MD (Clinical)  
Christy Holland, PhD (Basic Science)

Distinguished Sonographer Award  
Marsha Neumyer, BS, RVT

Honorary Fellow Award  
Paul Dubbins, MBBS, BSc, FRCR
Plenary Session

The Power of Medicine

William Magee Jr, DDS, MD

Join William Magee Jr, DDS, MD, executive chairman and cofounder of Operation Smile, as he shares his journey through his organization’s history and his inspiration to build a worldwide medical charity committed to helping children all over the world. Dr Magee is a leading plastic and craniofacial surgeon who founded Operation Smile in 1982 with his wife Kathy. Since its inception, Operation Smile has provided more than 2 million patient evaluations and more than 200,000 free surgeries for children and young adults born with cleft lips, cleft palates, and other facial deformities in more than 60 countries. Dr Magee’s presentation will illustrate the importance of “BHAGs” (big hairy audacious goals) and tapping into the power of using your gifts. Through the power of storytelling, Dr Magee will ask the audience, “What is your story; who are you; where have you been; and where are you going next?” He will explain why children are the only language we all have in common and that this language has the power to unite people and nations.
3:15 PM–5:00 PM
Special Interest Sessions

Advanced Point-of-Care Cardiac Ultrasound in the Emergency and Critical Care Patient
Earn up to 1.75 CME credits.
Astor Ballroom • Seventh Floor
Moderator: Robert Arntfield, MD, RDMS

After attending this session, participants will be able to describe indications for cardiac ultrasound, describe the evidence base for advanced techniques, and discuss care algorithms that incorporate advanced cardiac ultrasound techniques.

3:15 PM–3:40 PM Focused Valvular Assessment for the Patient in Shock
Seth Koenig, MD

3:40 PM–4:05 PM Cardiac Output Determination Using Point-of-Care Echocardiography
Anthony Dean, MD

4:05 PM–4:30 PM Evaluation of the Right Heart in the Dyspneic Patient
Christopher Moore, MD, RDMS, RDCLS

4:30 PM–4:55 PM Efficient and Effective Point-of-Care Transesophageal Echocardiography: A Proposed Algorithm for Critical Care
Scott Millington, MD

4:55 PM–5:00 PM Questions and Answers

Clinical Applications of Ultrasound Contrast, Part 1
Earn up to 1.75 CME credits.
Marquis Ballroom C
Moderator: Richard Barr, MD, PhD

After attending this session, participants will understand the status of US Food and Drug Administration approval of ultrasound contrast for radiologic use, how contrast can legally be used off-label today, how to integrate ultrasound contrast into their practices, and when to use ultrasound contrast as a problem-solving tool.

Richard Barr, MD, PhD

3:35 PM–4:00 PM Contrast Imaging of the Liver
Giovanna Ferraioli, MD

4:00 PM–4:25 PM Contrast Imaging of the Urinary Tract
Jean-Michel Correas, MD, PhD

4:25 PM–4:50 PM Contrast Imaging of Abdominal Transplants
Paul Sidhu, BSc, MBBS, MRCP, FRCR

4:50 PM–5:00 PM Questions and Answers
S3 Hands-on Renal and Mesenteric Imaging

Earn up to 1.75 CME credits.

Empire Complex • Seventh Floor

Moderator: Jennifer McDowell, MM, RDMS, RT, RVT

This session will discuss the techniques of renal and mesenteric arterial duplex evaluation and their pitfalls. Participants will have an opportunity to perform these examinations on actual patients guided by experienced sonographers. Preregistration required.

3:15 PM–3:30 PM Scanning Tips and Tricks
M. Robert De Jong, RDMS, RDCS, RVT

3:30 PM–3:45 PM Ultrasound Criteria for Renal Disease
Margarita Revzin, MD

3:45 PM–4:00 PM Doppler Techniques of the Retroperitoneal Vasculature
Leslie Scoutt, MD

4:00 PM–4:15 PM Sonographic Evaluation of the Superior Mesenteric and Celiac Arteries
John Pellerito, MD

4:15 PM–5:00 PM Hands-on Scanning
Shweta Bhatt, MD, M. Robert De Jong, RDMS, RDCS, RVT, Patricia Haggerty, RDMS, RDCS, RVT, Ulrike Hamper, MD, MBA, Jennifer McDowell, MM, RDMS, RT, RVT, John Pellerito, MD, Margarita Revzin, MD, Deborah Rubens, MD, Leslie Scoutt, MD, Susan Smith, RDMS, RVT, RDCS

How Does Ultrasound Compare in Safety and Radiation Dose to Other Imaging Modalities?

Earn up to 1.75 CME credits.

Manhattan Ballroom • Eighth Floor

Moderators: George Lewis Jr, PhD, Thaddeus Wilson, PhD

The objective of this session is to broadly describe the radiation doses used in common imaging modalities, discuss the impact that over ordering these procedures has had on the cumulative exposure of patients, describe other possible safety and economic differences between ultrasound and other imaging modalities, and emphasize the “ultrasound first” principle when considering the appropriateness of ordering imaging.

3:15 PM–3:45 PM Magnetic Resonance Imaging Safety
John Posh, RT(R)(MR)

3:45 PM–4:15 PM Food and Drug Administration Perspective on Diagnostic Ultrasound Safety
Keith Wear, PhD, Gerald Harris, PhD

4:15 PM–4:45 PM Radiation: The Two-Edged Sword
Eric Hall, PDPhil, DSc

4:45 PM–5:00 PM Questions and Answers
Interventional Musculoskeletal Ultrasound: Steroid Injections, Dry Needling, and Platelet-Rich Plasma Injections

Earn up to 1.75 CME credits.

Soho Complex • Seventh Floor

Moderator: Levon Nazarian, MD

After attending this session, participants should know when and how to perform ultrasound-guided steroid injections, dry needling of tendons, and platelet-rich plasma injections.

3:15 PM–3:45 PM Steroid Injections
   Nathalie Bureau, MD

3:45 PM–4:15 PM Platelet-Rich Plasma Injections
   Kenneth Lee, MD

4:15 PM–4:45 PM Dry Needling of Tendons
   Levon Nazarian, MD

4:45 PM–5:00 PM Questions and Answers

Point/Counterpoint: Ultrasound Versus Magnetic Resonance Imaging in the Diagnosis of Placenta Accreta, Congenital Diaphragmatic Hernias, and Central Nervous System Anomalies

Earn up to 1.75 CME credits.

Broadway Ballroom North • Sixth Floor

Moderator: Sherelle Laifer-Narin, MD

This session will present cases of abnormal placenta locations/attachment, congenital diaphragmatic hernias, and central nervous system anomalies and systematic approaches for diagnosis using both ultrasound and magnetic resonance imaging.

3:00 PM–3:17 PM Central Nervous System Ultrasound
   Ruth Goldstein, MD

3:17 PM–3:34 PM Placenta Accreta Magnetic Resonance Imaging
   Sherelle Laifer-Narin, MD

3:34 PM–3:55 PM Congenital Diaphragmatic Hernia Magnetic Resonance Imaging
   Diane Twickler, MD

3:55 PM–4:15 PM Congenital Diaphragmatic Hernia Ultrasound
   Thomas Shipp, MD

4:15 PM–4:30 PM Placenta Accreta Ultrasound
   Lawrence Platt, MD

4:30 PM–5:00 PM Central Nervous System Magnetic Resonance Imaging
   Anne Kennedy, MD
Ultrasound in Global Health

Earn up to 1.75 CME credits.

Marquis Ballroom A/B • Ninth Floor

Moderator: Sachita Shah, MD, MPH

After attending this session, participants will be able to recognize the unique ultrasound findings of common disease processes in the developing world, understand the challenges and key components for success in development of an ultrasound training program in a limited-resource setting, and describe the current trends and future directions in research involving ultrasound in the developing world.

3:15 PM–3:30 PM Introduction to Ultrasound in Global Health: Strategies for Starting an Ultrasound Program in a Low-Resource Setting
Sachita Shah, MD, MPH

3:30 PM–3:50 PM Point of Care Ultrasound in Resource-Limited Settings: Case Review
Krithika Muruganandan, MD

3:50 PM–4:10 PM Literature Review
Adam Levine, MD

4:10 PM–4:30 PM Telemedicine Options and Technology Advances for Portable Ultrasound in the Field
Robert Harris, MD, MPH

4:30 PM–5:00 PM Panel Discussion
William Marks, MD

3:15 PM–5:00 PM Committee Meetings

3:15 PM–5:00 PM Ultrasound Practice Accreditation Council
Jolson • Ninth Floor

3:45 PM–5:00 PM Continuing Medical Education Committee
Cantor • Ninth Floor

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Get in on the convention buzz! See what other attendees are talking about and get special updates and announcements. Twitter is built right into the AIUM Convention App! Share your experience and what you’ve learned—it’s easy—use the hashtag #AIUM13.
How to Obtain Your CME Certificate

The AIUM has changed the way you receive your CME Certificate; there are no longer preprinted forms. This year, you must go online to the AIUM website (www.aium.org) to print your CME Certificate. Each session in the Final Program includes the number of CME credits you may earn. This will help you keep track of the total number of credits for each day, so that it will be easy for you to complete the online form when you return home and print out your certificate.

After you have attended ALL your convention and preconvention sessions, go to the AIUM website (www.aium.org). Select “My Account” at the top right of the page and enter your e-mail address and password. (If you don’t remember your password, have never activated your membership account, or are a nonmember who registered onsite for the convention, please see “Important Information” below.) Choose “CMEs earned at Conventions and/or Postgraduate Courses.” Then simply enter the number of credits you earned each day and print out the certificate for your records.

Important Information!

- There are separate forms and certificates for the preconvention and the convention. If you attend both, be sure to complete the online form for both events.
- You cannot make any changes once you have confirmed the number of credits you earned, so do not go online until you have attended all your convention and preconvention sessions.
- If you are a nonmember who registered onsite for the convention, you will not be able to access the online form until April 19, 2013.
- If you have never activated your account, go to the AIUM website (www.aium.org), select “My Account,” and click on “Activate your account here.” You will then enter your ID number, last name, e-mail address, and a password. You will immediately receive a message that your account has been successfully activated and you may now log in.
- If you don’t remember your ID number, (Registrants, ID numbers are located on your badge) e-mail membership@aium.org or ask an AIUM staff member at the registration booth.
Monday, April 8
Convention

Schedule at a Glance

6:30 AM–4:30 PM  Registration Open
7:00 AM–8:00 AM  *Journal of Ultrasound in Medicine* Subspecialty Editors Meeting
7:00 AM–8:00 AM  Just Images and Comprehensive Refresher Sessions
8:00 AM–5:30 PM  E-Posters Open for Viewing
8:15 AM–9:15 AM  Community Meeting
8:15 AM–10:15 AM Special Interest Sessions
9:15 AM–10:15 AM Community Meeting
9:30 AM–4:30 PM  Exhibit Hall Open
10:15 AM–11:00 AM Refreshment Break in the Exhibit Hall
10:30 AM–11:30 AM Web Education Committee Meeting
11:00 AM–12:30 PM Membership Committee Meeting
   Special Interest Session
   Scientific Sessions
12:30 PM–1:30 PM  Lunch in the Exhibit Hall
   Community Meetings
   Presidential Advisory Council Meeting
1:30 PM–3:30 PM  Special Interest Sessions
   Hands-on Special Interest Session
3:30 PM–4:00 PM  Refreshment Break in the Exhibit Hall
4:00 PM–5:30 PM  Film Panel Sessions
   Special Interest Sessions
   Hands-on Special Interest Session
   Clinical Standards Committee Meeting
What Do You Get with an UltraFast™ Platform?

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AIXPLORER®
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7:00 AM–8:00 AM
Committee Meeting
Journal of Ultrasound in Medicine Subspecialty Editors
Barrymore • Ninth Floor

7:00 AM–8:00 AM
Just Images and Comprehensive Refresher Sessions

Abdominal and Pelvic Pain in the Emergency Room Patient
Earn up to 1 CME credit.
Astor Ballroom • Seventh Floor
Moderator: Regina Hooley, MD
After attending this session, participants should be able to use ultrasound to diagnose common causes of pelvic and abdominal pain, including acute cholecystitis, renal colic, appendicitis, ovarian torsion, hemorrhagic cysts, and pelvic inflammatory disease.

7:00 AM–7:30 AM Gynecologic Cases
Rochelle Andreotti, MD

7:30 AM–8:00 AM Nongynecologic Cases
Regina Hooley, MD

Carotid and Upper Extremity Arterial Imaging: Pitfalls and Misdiagnoses
Earn up to 1 CME credit.
Soho Complex • Seventh Floor
Moderator: Leslie Scoult, MD
This session will review case studies in carotid and upper extremity vascular imaging and demonstrate examples of technical pitfalls, artifacts, and misdiagnoses to learn how to prevent them.

7:00 AM–7:30 AM Carotid Examination: Not as Simple as You May Think
Leslie Scoult, MD

7:30 AM–8:00 AM Upper Extremity Imaging: Do It Carefully to Get It Right
Jennifer McDowell, RVT, MM, RDMS, RT
Choose Your Prognosis: Fetal Cardiac Unknowns
Earn up to 1 CME credit.

Broadway Ballroom North • Sixth Floor
Moderator: Lisa Hornberger, MD

The audience will be asked to compare two sets of clips that may appear similar but reflect markedly different prognoses. There will be significant audience participation and discussion with each case. Cases will be presented in the following categories: 4-chamber view, outflow tracts, arch anomalies, and venous anomalies.

7:00 AM–7:15 AM Outflow Tracts
Miwa Geiger, MD

7:15 AM–7:30 AM Arch Anomalies
Lisa Hornberger, MD

7:30 AM–7:45 AM Venous Anomalies
Anita Moon-Grady, MD

7:45 AM–8:00 AM Four-Chamber View
Gary Satou, MD

Interesting Cases in Interventional Ultrasound
Earn up to 1 CME credit.

Marquis Ballroom A/B • Ninth Floor
Moderator: Dean Nakamoto, MD
Panelists: Nami Azar, MD, Dean Nakamoto, MD, Nael Saad, MD

This session is designed to discuss interesting cases in interventional ultrasound.

Musculoskeletal Ultrasound: How I Do It
Earn up to 1 CME credit.

Marquis Ballroom C • Ninth Floor
Moderator: David Fessell, MD

After attending this session, participants will know how and when to perform musculoskeletal ultrasound examinations.

7:00 AM–8:00 AM Musculoskeletal Ultrasound: How I Do It
Jon Jacobson, MD
Obstetric Ultrasound: How Do You Meet the Guidelines?
Earn up to 1 CME credit.
Broadway Ballroom South • Sixth Floor
Moderator: Christine Bird, BS, RDMS, RVT
Panelists: Bryann Bromley, MD, Mary Frates, MD, Edith Gurewitsch, MD, Mani Montazemi, RDMS
After attending this session, participants will understand specific image documentation appropriate for satisfying practice guidelines.

Pregnancy Locations: Two New Entities
Earn up to 1 CME credit.
Manhattan Ballroom • Eighth Floor
Moderator: Steven Goldstein, MD
This session will present diagnosis and management of two newly defined entities of increasing importance in clinical practice: pregnancies of unknown location and cesarean section scar pregnancies.

7:00 AM–7:30 AM Pregnancies of Unknown Location
Steven Goldstein, MD
7:30 AM–8:00 AM Cesarean Section Scar Pregnancies
Ilan Timor, MD

Spinal Sonography of Children
Earn up to 1 CME credit.
Shubert Complex • Sixth Floor
Moderator: Michael Di Pietro, MD
Faculty: Dorothy Bulas, MD, Michael Di Pietro, MD, Lisa Lowe, MD, Harriet Paltiel, MD
The objective of this session is to educate pediatric radiologists and sonographers about spinal pathologies in infants and children and the value of ultrasound in evaluating them.

7:00 AM–7:15 AM What Do We Learn From Fetal Imaging?
Dorothy Bulas, MD
7:15 AM–7:30 AM Spina Bifida Aperta and Chiari Malformations
Michael Di Pietro, MD
7:30 AM–7:45 AM Finding a “Filar Cyst”: Now What?
Lisa Lowe, MD
7:45 AM–8:00 AM Perisacral Masses and the Spinal Cord: Vertebra and Spinal Cord
Harriet Paltiel, MD
8:15 AM–9:15 AM
Community Meeting

**Ultrasound in Global Health Interest Group**
Earn up to 1 CME credit.
Shubert Complex • Sixth Floor

8:15 AM–10:15 AM
Special Interest Sessions

**Advances in Clinical and Quantitative Pediatric Lung Ultrasound**
Earn up to 2 CME credits.
Marquis Ballroom C • Ninth Floor

*Moderators: Philip Levy, MD, Michael Oelze, PhD*

After attending this session, participants should be able to describe the impact of pediatric lung ultrasound on teaching, research, and clinical practice and identify potential areas for collaboration and innovation.

- **8:15 AM–8:45 AM** Perspectives and History of Clinical Lung Ultrasonography
  *Daniel Lichtenstein, MD*

- **8:45 AM–9:15 AM** Novel Approaches to Ultrasonography in Pediatric Emergency and Critical Care
  *James Tsung, MD, MPH*

- **9:15 AM–9:35 AM** Quantitative Properties of the Lung: An Open Question
  *Peder Pedersen, PhD*

- **9:35 AM–10:00 AM** Risk Assessment Associated With Ultrasound Exposure of the Lung
  *William O’Brien Jr, PhD*

- **10:00 AM–10:15 AM** Panel Discussion

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**AIUM Accreditation Booth**

Learn more about AIUM ultrasound practice accreditation at the Accreditation Booth in the Fifth Floor Foyer. Accreditation staff are available to answer your questions.
Convention | Monday, April 8

**Doppler Ultrasound: Basic and Advanced (Beyond the Umbilical Artery)**

Earn up to 2 CME credits.

**Broadway Ballroom South • Sixth Floor**

*Moderator: Henry Galan, MD*

After attending this session, participants will be able to enumerate the various fetal vessels that can be interrogated.

- **8:15 AM–8:45 AM** Doppler Basics and the Umbilical Artery  
  *Henry Galan, MD*
- **8:45 AM–9:15 AM** What Does Middle Cerebral Artery Doppler Ultrasound Tell Us (Resistive Indices and Peak Systolic Velocity)?  
  *Shane Reeves, MD*
- **9:15 AM–10:00 AM** Doppler Ultrasound Beyond the Umbilical Artery and Disease-Specific Applications  
  *Ahmet Baschat, MD*
- **10:00 AM–10:15 AM** Panel Discussion

**Gynecologic Imaging Using Multiple Imaging Modalities, Including Ultrasound, Computed Tomography, and Magnetic Resonance Imaging**

Earn up to 2 CME credits.

**Broadway Ballroom North • Sixth Floor**

*Moderators: Sherelle Laifer-Narin, MD, Anna Lev-Toaff, MD*

This session will discuss combining modalities for challenging clinical dilemmas.

- **8:15 AM–9:15 AM** Gynecologic Multimodality Imaging, Part 1  
  *Sherelle Laifer-Narin, MD*
- **9:15 AM–10:15 AM** Gynecologic Multimodality Imaging, Part 2  
  *Anna Lev-Toaff, MD*

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**AIUM Resource Center**

Fifth Floor Foyer

Attention convention attendees! Stop by the AIUM Resource Center to check out all the products that the AIUM has to offer. Members receive a 50% discount on most products, including ultrasound-related CME DVD programs, publications, pamphlets, merchandise, and more.

**Stop by for special on-site discounts on select DVD programs.**

- **Saturday, April 6–Tuesday, April 9** 8:00 AM–4:30 PM
- **Wednesday, April 10** 8:00 AM–12:30 PM

www.aium.org | 55
Hemodialysis Vascular Access
Earn up to 2 CME credits.

**Astor Ballroom • Seventh Floor**

**Moderator: John Blebea, MD, MBA**

After attending this session, participants will be able to discuss the preprocedure preparations and describe how to detect and manage complications.

8:20 AM–8:40 AM Preintervention Duplex Venous and Arterial Mapping  
*Jennifer McDowell, MM, RDMS, RT, RVT*

8:40 AM–9:00 AM Surgical Procedures for Hemodialysis Access: Veins and Grafts  
*Lawrence Scher, MD*

9:00 AM–9:20 AM Fistula and Graft Surveillance With Ultrasound  
*Mark Lockhart, MD, MPH*

9:20 AM–9:40 AM Flow Measurements to Predict Access Failure  
*David Vilkomerson, PhD*

9:40 AM–10:00 AM Postoperative Complications and Interventions  
*Darren Schneider, MD*

10:00 AM–10:15 AM Panel Discussion

New Horizons in Contrast Ultrasound
Earn up to 2 CME credits.

**Soho Complex • Seventh Floor**

**Moderator: Paul Dayton, PhD**

After attending this session, participants will understand the fundamental principles of contrast imaging and have an update on developments in animal and in vitro contrast ultrasound research.

8:15 AM–8:25 AM Introduction to Contrast: How Did We Get Here; Where Are We Headed?  
*Peter Burns, PhD*

8:25 AM–8:45 AM Fundamental Principles of Contrast Ultrasound  
*Peter Burns, PhD*

8:45 AM–9:07 AM Safety Aspects of Contrast Ultrasound  
*Sharon Mulvagh, MD*

9:07 AM–9:30 AM Review of Molecular Imaging  
*Joshua Rychak, MD*

9:30 AM–9:52 AM Microvascular Mapping  
*Paul Dayton, PhD*

9:52 AM–10:15 AM Contrast Ultrasound Evaluation of Tumor Response  
*Andrey Lyshchik, MD, PhD*
Pediatric Hepatobiliary Disorders
Earn up to 2 CME credits.

**Manhattan Ballroom • Eighth Floor**

**Moderator: Rob Goodman, MD**

The objective of this session is to review common pediatric disorders of the liver, biliary tree, and pancreas.

- **8:15 AM–8:25 AM** Introduction
  *Rob Goodman, MD*

- **8:25 AM–9:00 AM** Sonographic Differential Diagnoses in the Pediatric Focal Liver Lesion
  *Rob Goodman, MD*

- **9:00 AM–9:30 AM** The Spectrum of Ultrasound Findings in the Pediatric Biliary Tree
  *Valerie Ward, MD*

- **9:30 AM–10:00 AM** Assessment of the Pediatric Pancreas and Spleen With Ultrasound
  *Harriet Paltiel, MD*

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

Taboos and Opportunities in Sonothrombolysis for Stroke:
From Sonothrombolysis in Animals to Stroke Treatment in Patients
Earn up to 2 CME credits.

**Marquis Ballroom A/B • Ninth Floor**

**Moderators: Tatjana Rundek, MD, PhD, Paul Sierzenski, MD, RDMS**

The session will provide an overview of the use of therapeutic ultrasound in cerebrovascular diseases with special emphasis on neurovascular ultrasound in stroke, drug delivery using animal models of sonothrombolysis, sonothrombolysis taboos, and opportunities in clinical trials.

- **8:15 AM–8:45 AM** Ups and Downs in Clinical Trials of Sonothrombolysis
  *Andrei Alexandrov, MD, RVT*

- **8:45 AM–9:15 AM** Animal Models of Sonothrombolysis and Drug Delivery
  *Christy Holland, PhD*

- **9:15 AM–9:45 AM** Neurovascular Ultrasound in Stroke: What Sonographers Can Do Now
  *Tatjana Rundek, MD*

- **9:45 AM–10:15 AM** Therapeutic Ultrasound: Lessons Learned and What Should Be Reported
  *Mark Schafer, PhD*
9:15 AM–10:15 AM

Community Meeting

Ultrasound in Medical Education Interest Group
Earn up to 1 CME credit.
Shubert Complex • Sixth Floor

10:15 AM–11:00 AM

Refreshment Break in the Exhibit Hall
Westside Ballroom • Fifth Floor

11:00 AM–12:30 PM

Special Interest Session

How to Be an Effective Manuscript Reviewer for the Journal of Ultrasound in Medicine
Earn up to 1.5 CME credits.
Soho Complex • Seventh Floor
Moderator: Levon Nazarian, MD
After attending this session, participants should be able to discuss the components of a top-quality peer review for the Journal of Ultrasound in Medicine.

10:30 AM–12:30 PM

Committee Meetings

10:30 AM–11:30 AM
Web Education Committee
Cantor • Ninth Floor

11:00 AM–12:30 PM
Membership Committee
Jolson • Ninth Floor
**11:00 AM–12:30 PM**

**Scientific Sessions**

Learn about the latest research in ultrasound in concise oral presentations. * indicates presenter.

**BSI Basic Science: Tissue Characterization, Part 1**

Earn up to 1.5 CME credits.

**Manhattan Ballroom • Eighth Floor**

*Moderators: Mark Holland, PhD, Keith Wear, PhD*

11:00 AM–11:10 AM

1539806  
A Feasibility Study of Ultrasound Strain Imaging for Risk Assessment of Carotid Atherosclerotic Plaques Validated by Magnetic Resonance Imaging  
Xiaochang Pan, Shengzhen Tao, Lingyun Huang, Manwei Huang, Xihai Zhao, Le He, Chun Yuan, Jianwen Luo,* Jing Bai

11:10 AM–11:20 AM

1536174  
A Huber-Penalized Akaike-Regularized Broken-Stick Least Squares Regression Algorithm for Shear Wave Velocity Reconstruction  
Atul Ingle,* Tomy Varghese

11:20 AM–11:30 AM

1540416  
A Comparison of Coherence of Radiofrequency Data From Ablated and Unablated Liver Tissue Using Multitaper Estimation  
Nicholas Rubert,* Tomy Varghese, Atul Ingle

11:30 AM–11:40 AM

1540510  
Acoustic Radiation Force Impulse Delineation of Human Carotid Atherosclerotic Plaque Composition and Structure In Vivo  
Tomasz Czernuszewicz, Melissa Caughey, Peter Ford, Mark Farber, William Marston, Raghuveer Vallabhaneni, Jonathon Homeister, Matthew Mauro, Timothy Nichols, Caterina Gallippi*

11:40 AM–11:50 PM

1539520  
Echocardiography-Based Measurements of 3-Dimensional Myocardial Fiber Structure  
Michelle Milne, Kirk Wallace, Benjamin Johnson, Gautam Singh, Ravi Rasalingam, James Miller, Mark Holland*

11:50 PM–12:00 PM

1541124  
Effects of Preprocessing on Reconstructed Shear Wave Speeds in Human Liver In Vivo  
Ned Rouze,* Seung Yun Lee, Michael Wang, Mark Palmeri, Manal Abdelmalek, Kathryn Nightingale
12:00 PM–12:10 PM
1540991 Evaluation of Shear Wave Elasticity Imaging for Characterizing the Contribution of Coronary Perfusion to Cardiac Diastolic Stiffness
Maryam Vejdani-Jahromi,* Annette Kiplagat, Young Joong-Kim, Douglas Dumont, Gregg Trahey, Patrick Wolf

12:10 PM–12:20 PM
1540671 Feasibility and Reproducibility of Right Ventricular Strain Measurement by Speckle-Tracking Echocardiography in Preterm Infants
Philip Levy,* Gautam Singh, Tim Sekarski, Aaron Hamvas, Mark Holland

12:20 PM–12:30 PM
1541514 Statistical Comparison of Backscatter Coefficients for MAT and 4T1 Tumors Across Multiple Ultrasound-Imaging Systems
Douglas Simpson,* Nathaniel Hirtz, William O’Brien Jr

12:30 PM–12:40 PM
1540921 Automatic Detection of Keratoconus From High-Frequency Ultrasound Data
Ronald Silverman,* Raksha Urs, Arindam RoyChoudhury, Timothy Archer, Dan Reinstein

**G&A** Breast Ultrasound and Elastography

Earn up to 1.5 CME credits.
Marquis Ballroom A/B • Ninth Floor
Moderator: Abid Irshad, MD

11:00 AM–11:15 AM
Luminary Speaker: Abid Irshad, MD

11:15 AM–11:22 AM
1538656 Correlation Between Parameters in Ultrasound-Guided Diffuse Optical Tomography and 18F-Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography for Breast Cancer
Woo Jung Choi,* Hak Hee Kim, Joo Hee Cha, Hee Jung Shin, Hyunji Kim, Eun Suk Cha, Hyeon Sook Kim, Sung Hun Kim

11:22 AM–11:29 AM
1540665 Comparison of Strain and Shear Wave Without or With a Quality Measure in Evaluation of Breast Masses
Richard Barr

11:29 AM–11:36 AM
1536920 Differentiation of Benign and Malignant Breast Lesions: A Comparison Between Automatically Generated Breast Volume Scans and Handheld Ultrasound Examinations
Hongyan Wang,* Yuxin Jiang, Qingli Zhu, Jing Zhang, Qing Dai, He Liu, Xingjian Lai, Qiang Sun
### Convention | Monday, April 8

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>11:36 AM–11:43 AM</td>
<td><strong>Functional Images of Hemoglobin and Blood Oxygen Saturation</strong></td>
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<td><strong>Coregistered With Ultrasound Provide Accurate Differentiation of</strong></td>
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<td><strong>Breast Tumors</strong></td>
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<td>1540513</td>
<td>Pamela Otto,* Kenneth Kist, N. Carol Dornbluth, Thomas Stavros,</td>
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<td>Donald Herzog, Thomas Miller, Bryan Clingman, Jason Zalev, Michael</td>
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<td>Ulissey, Philip Lavin, Sergey Ermilov, Alexander Oraevsky</td>
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<td>11:43 AM–11:50 AM</td>
<td><strong>Granulomatous Mastitis: Clinical and Sonographic Features With</strong></td>
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<td><strong>Image-Guided Biopsy Correlation</strong></td>
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<td>1522001</td>
<td>Priyanka Handa,* Derek Sun, Jill Leibman, Aryeh Goldberg, Maria Abadi</td>
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<td>11:50 AM–11:57 AM</td>
<td><strong>Using a New Ultrasound Image-Processing Technique for</strong></td>
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<td><strong>Identification of Microcalcifications in Patients Prior to Biopsy</strong></td>
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<td>1538026</td>
<td>Priscilla Machado,* John Eisenbrey, Barbara Cavanaugh, Flemming Forsberg</td>
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<td>11:57 AM–12:04 PM</td>
<td><strong>The Natural History of Thyroid Nodules With Peripheral Calcification</strong></td>
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<td>1540975</td>
<td>Arash Anvari,* Manish Dhyani, Gilbert Daniels, Anthony Samir</td>
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<td>12:04 PM–12:11 PM</td>
<td><strong>Value of Shear Wave Elastography to Differentiate Benign From</strong></td>
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<td>1541150</td>
<td>Malignant Thyroid Nodules</td>
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<td>Lucy Kerr,* Uziel Nunes, Luana Cunha</td>
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<td>12:11 PM–12:18 PM</td>
<td><strong>Ultrasound- and Ultrasound Elastography-Based Clinical Score for</strong></td>
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<tr>
<td>1506963</td>
<td>Screening of Thyroid Nodules</td>
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<td>Nami Azar, Edwin Vargas Velandia,* Ronald Novak, Dean Nakamoto</td>
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<td>12:18 PM–12:25 PM</td>
<td><strong>Linear and Nonlinear Elastosonographic Data May Aid Differentiation</strong></td>
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<td>1540472</td>
<td>of Thyroid Nodules</td>
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<td>Rafal Slapa,* Bartosz Migda, Wieslaw Jakubowski, Jacek Bierca, Jadwiga</td>
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<td>Slowinska-Srzednicka</td>
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<td>12:25 PM–12:32 PM</td>
<td><strong>Noninvasive Determination of Corneal Elasticity Using Acoustic</strong></td>
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<td>1540131</td>
<td>Radiation Force After Corneal Cross-Linking</td>
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<td>Raksha Urs,* Harriet Lloyd, Ronald Silverman</td>
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**AIUM webinars** cover a variety of ultrasound topics and offer AIUM members the opportunity to earn free CME credit. Visit [www.aium.org](http://www.aium.org) and select the CME tab to view the growing archive of programs.
Contrast-Enhanced Ultrasound

Earn up to 1.5 CME credits.

Marquis Ballroom C

Moderators: Yuko Kono, MD, PhD, Theresa Tuthill, PhD

11:00 AM–11:15 AM
Luminary Speaker: Yuko Kono, MD, PhD

11:15 AM–11:22 AM
1541199 Volumetric Contrast-Enhanced Ultrasound Imaging of Renal Perfusion
Marshall Mahoney, Anna Sorace, Kenneth Hoyt*

11:22 AM–11:29 AM
1540209 Parametric Contrast-Enhanced Ultrasound With Evaluation of Arrival Time Maps May Aid Differentiation Between Adrenal Nodular Hyperplasia and Adenomas: Initial Results
Rafal Slapa, * Anna Kasperlik-Zaluska, Bartosz Migda, Wieslaw Jakubowski

11:29 AM–11:36 AM
1541233 Volumetric Molecular Ultrasound Imaging of Tumor Vascularity in a Preclinical Model of Prostate Cancer
Anna Sorace, Marshall Mahoney, Kurt Zinn, Kenneth Hoyt*

11:36 AM–11:43 AM
1539659 Small Nodules Arising in Cirrhotic Liver During Surveillance: Possibility of Characterization Among Dysplastic Nodules, Early Hepatocellular Carcinoma, and Progressed Hepatocellular Carcinoma Using Contrast-Enhanced Ultrasound
Antonio Giorgio,* Giorgio Calisti, Umberto Scognamiglio, Nunzia Farella, Giorgio de Stefano, Filomena Di Martino, Valentina Giorgio

11:43 AM–11:50 AM
1511998 Thyroscan: A Cost-Effective and Noninvasive Automated System for Thyroid Lesion Classification in 3-Dimensional Contrast-Enhanced Ultrasound Images
U. Rajendra Acharya, Vinitha Sree, M. Mutu Rama Krishnan, Filippo Molinari, Roberto Garberoglio, Jasjit Suri*

11:50 AM–11:57 AM
1466379 Usefulness of Contrast-Enhanced Ultrasound in Clinical Practice: The Spanish Trial
Carlos Nicolau,* Teresa Fontanilla, Jose del Cura, Antonio Talegon, Xavier Serres

11:57 AM–12:04 PM
1517021 Four-Dimensional Subharmonic Breast Imaging: Initial Experiences
John Eisenbrey,* Anush Sridharan, Daniel Merton, Priscilla Machado, Kirk Wallace, Carl Chalek, Kai Thomenius, Flemming Forsberg
Emergency Ultrasound, Part 1

Earn up to 1.5 CME credits.

Astor Ballroom • Seventh Floor

Moderators: Gowthaman Gunabushanam, MD, Leslie Scoutt, MD

11:00 AM–11:15 AM
Luminary Speaker: Gowthaman Gunabushanam, MD

11:15 AM–11:22 AM
Accuracy of Lung Ultrasound and Chest Radiography for Diagnosis of Cardiogenic Dyspnea Among Elderly Emergency Department Patients
Emanuele Pivetta,* Livia Ausiello, Elke Platz, Michael Stone, Maria Tizzani, Giulio Porrino, Enrico Ferreri, Giovanni Volpicelli, Paolo Balzaretti, Alessandra Banderali, Antonello Lacobucci, Enrico Lupia, Alberto Goffi, Giovanna Casoli, Gianalfonso Cibinel

11:22 AM–11:29 AM
Bedside Cardiac Ultrasound Examination to Confirm Central Venous Catheter Placement
Yiju Liu, Kathleen Calabrese,* Kunal Ajmera, Mohammad Salimian, Thaison Tran, Hamid Shokoohi, Keith Boniface, Melissa McCarthy

11:29 AM–11:36 AM
Bedside Thoracic Ultrasound for Pulmonary Edema: Which Zones Are the Best?
Zoe Howard,* Feras Khan, Anne-Sophie Beraud, Laleh Gharahbaghian, Raymond Balise, Ravi Pamnani, Michael Schaller, Joelle Barral, Sidhartha Sinha, Sarah Williams

11:36 AM–11:43 AM
Central Venous Catheterization Location Changes and Complication Rates After the Institution of an Emergency Ultrasound Division
Tahisha Tolbert,* Lawrence Haines, Lucas McArthur, Victoria Terentiev, Antonios Likourezos, Eitan Dickman

11:43 AM–11:50 AM
Faster = Better? Pilot Sonographic Evaluation of Internal Jugular Vein Collapsibility Versus Inferior Vena Cava Collapsibility Indices in Critically Ill Patients
David Evans,* Daniel Eiferman, Alistair Kent, Creagh Boulger, Andrew Springer, Eric Adkins, Susan Yeager, Geoffrey Roelant, Stanislaw Stawicki, David Bahner

11:50 AM–11:57 AM
Point-of-Care Ultrasound: Sonographic Evaluation of Central Line Placement
Eric Mervis,* Elizabeth Turner, Alan Chiem, Robert Liou, Randy Hou, Craig Anderson, Arthur Youssefian, J. Christian Fox
11:57 AM–12:04 PM
1541330 Three-Window Bedside Ultrasound Versus Chest Radiography for Confirmation of Endotracheal Tube Placement
Arthur Youssefian,* Elizabeth Turner, Shane Breazeale, Angelina Amian, Eric Mervis, J. Christian Fox, Negean Vandordaklou, Craig Anderson

12:04 PM–12:11 PM
1541487 Transcricothyroid Ultrasound for Confirmation of Endotracheal Tube Placement by United States Military Emergency Medicine Providers
Michael Rabener, Chase Donaldson, Eric Chin, Capt Michael Rebener, PA-C, DSC, USAF*

12:11 PM–12:18 PM
1541012 Effect of the Prone Maximal Restraint (aka “Hog Tie”) Position on Cardiac Output and Other Hemodynamic Measurements
Davut Savaser,* Colleen Campbell, Ted Chan, Virag Shah, Chris Sloane, Allan Hansen, Eddie Castillo, Gary Vilke

12:18 PM–12:25 PM
1541228 Ultrasound-Guided Peripheral Intravenous Insertion: Right Line at the Right Time
James Joseph, Daniel Kagarise, Todd Henkaline, James White, David Bahner, James White, BSN, RN, VA-BC*

**MSK** Musculoskeletal and Interventional/Intraoperative Ultrasound

Earn up to 1.5 CME credits.

Broadway Ballroom South • Sixth Floor

Moderator: Humberto Rosas, MD

11:00 AM–11:15 AM
Luminary Speaker: Humberto Rosas, MD

11:15 AM–11:22 AM
1540764 Accuracy and Reliability of Direct Versus Indirect Peripheral Nerve Cross-sectional Area
Mark Shoreman,* Jeffrey Strakowski, Marcie Bockbrader, Mark Tornero, Darin Bradshaw

11:22 AM–11:29 AM
1540778 Developmental Plasticity of the Hip: Implications for Infant Hip Ultrasonography
Azriel Benaroya,* Arkady Voloshin, Bernard Karmel, Ha Phan

11:29 AM–11:36 AM
1536958 Efficacy of Sonographically Guided Medial Plantar Nerve Perineural Space Injection at the Medial Longitudinal Arch
Johnathan Childress, Oliver Joseph, Oleg Uryasev,* John McNamara, Apostolos Dallas
11:36 AM–11:43 AM  
1538067  Neuromusculoskeletal Ultrasound Courses: How Effective Are They in the Long Term?  
_Sathish Rajasekaran,* Rodney Shan, Mohan Radhakrishna_

11:43 AM–11:50 AM  
1467503  Utility of Ultrasound for Detecting Anterior Compartment Thickness Changes in Chronic Exertional Compartment Syndrome: A Pilot Study  
_Sathish Rajasekaran,* Cole Beavis, Abdel-Rahman Aly, Dave Leswick_

11:50 AM–11:57 AM  
1541063  Efficacy of Sonographically Guided Injections of the Common Peroneal Nerve Perineural Space at the Fibular Tunnel  
_Matthew Kona,* Oliver Joseph, Oleg Uryasev, John McNamara, Apostolos Dallas_

11:57 AM–12:04 PM  
1541082  Efficacy of Sonographically Guided Injections of the Ulnar Nerve Perineural Space at the Cubital Tunnel  
_Daniel Plessl,* Robert Summey, Oliver Joseph, Oleg Uryasev, John McNamara, Apostolos Dallas_

12:04 PM–12:11 PM  
1539088  Translating Contrast-Enhanced Ultrasound Intraneural Vascularity From Bench to Bedside  
_Kevin Evans,* Kevin Volz_

**Obstetric Ultrasound: Uterus, Placenta, and Cervix**

Earn up to 1.5 CME credits.  

**Broadway Ballroom North**  
Moderators: Harris Finberg, MD, Cyrethia McShane, BS, RDMS

11:00 AM–11:15 AM  
Luminary Speaker: Harris Finberg, MD

11:15 AM–11:22 AM  
1540994  Cervical Length Assessment by Transabdominal and Endovaginal Ultrasound  
_Jennifer Thompson,* Michael Smrtka, Geeta Swamy, Chad Grotegut, Brita Boyd, Amy Murtha_

11:22 AM–11:29 AM  
1472715  Cervical Length in the Second and Early Third Trimesters as a Predictor of Cesarean Delivery in Singleton Gestations  
_Ashley Roman,* Terri-Ann Bennett, Nathan Fox, Daniel Saltzman, Chad Klauser, Andrei Rebarber_
11:29 AM–11:36 AM
1524943 Intramuscular Progesterone Slows the Rate of Cervical Shortening
Cara Pessel, Saila Moni, Noelia Zork, * Sara Brubaker, Samantha Do, Joy Vink, Karin Fuchs, Chia-Ling Nhan-Chang, Cande Ananth, Cynthia Gyamfi

11:36 AM–11:43 AM
1539329 Impaired Sonographic Cervical Assessment After Voiding: A Randomized Controlled Trial
William Schnettler, * Melissa March, Michele Hacker, Anna Merport Modest, Diana Rodriguez

11:43 AM–11:50 AM
1537208 Midtrimester Transabdominal Ultrasound for Detection of Placenta Previa
Hayley Quant, * Alexander Friedman, Eileen Wang, Samuel Parry, Nadav Schwartz

11:50 AM–11:57 AM
1539742 Outcome of Pregnancies With a Low-Lying Placenta Diagnosed Between 16 and 24 Weeks’ Gestation
Howard Heller, Katherine Mullen, * Robert Gordon, Rosemary Reiss, Carol Benson

11:57 AM–12:04 PM
1533371 Association Between Transvaginal Ultrasonographic Cervical Characteristics and Preterm Delivery After a History-Indicated Cerclage
Emily Miller, * Susan Gerber

12:04 PM–12:11 PM
1541264 The Natural History of Vasa Previa Across Gestation
Andrei Rebarber, * Cara Dolin, Nathan Fox, Chad Klauser, Daniel Saltzman, Ashley Roman

12:11 PM–12:18 PM
1536702 Uterine Volume Between 11 and 14 Weeks’ Gestation in Singleton and Dichorionic Diamniotic Twins as Seen by Ultrasound
Lindsay Kugler, * Joaquin Santolaya

12:18 PM–12:25 PM
1540615 Can 3-Dimensional Power Doppler Ultrasound of the Cervix Predict Preterm Labor in Women at Increased Risk?
Ahmed Ahmed, * Shoshana Haberman, Howard Minkoff
Pediatrics and Fetal Echocardiography

Earn up to 1.5 CME credits.

Shubert Complex • Sixth Floor

Moderator: Gary Satou, MD

11:00 AM–11:15 AM
Luminary Speaker: Gary Satou, MD

11:15 AM–11:22 AM
1522495 Is Fetal Echocardiography Necessary in In Vitro Fertilization/Intracytoplasmic Sperm Injection Pregnancies After an Anatomic Survey?
Oluyemi Aderibigbe,* Angela Ranzini, Sumekala Nadaraj

11:22 AM–11:29 AM
1538566 Application of Acoustic Radiation Force Impulse Imaging in Quantitative Evaluation of Neonatal Brain Development
Su Yijin,* Du Lianfang, Xia Jin, Wu Ying, Jia Xiao, Cai Yingyu, Li Yunhua, Zhao Jing, Liu Qian, Zhang Juan

11:29 AM–11:36 AM
1538283 Is Follow-up Sonography Necessary in Babies With Morphologically Normal but Unstable Hips?
Christine Iseman, Bokyung Han, Henrietta Kotlus Rosenberg*

11:36 AM–11:43 AM
1538513 Neonatal Ovarian Cysts: Can Sonography Predict Torsion?
Dinesh Chinchure,* Chiou Li Ong

11:43 AM–11:50 AM
1539741 Sonographic Evaluation of Pediatric Skeletal Lesions: Is It Worthwhile?
Henrietta Kotlus Rosenberg,* Neil Lester

11:50 AM–11:57 AM
1539575 Evaluation of Automated Multiplanar 3-/4-Dimensional Sonography in Prenatal Diagnosis of Conotruncal Cardiac Defects: Analysis of 150 Cases
Elena Sinkovskaya,* Sharon Horton, Anna Klassen, Alfred Abuhamad

11:57 AM–12:04 PM
1540606 Fetal Diagnosis of Hypoplastic Left Heart: Associations and Outcomes in the Current Era
Roland Axt-Fliedner,* Christian Enzensberger, Melanie Vogel, Jan Weichert, Ulrich Gembruch, Ute Germer, Thomas Kohl, Martin Krapp, Jan Degenhardt
12:04 PM–12:11 PM
1539318 Fetal Pulmonary Venous Flow and a Restrictive Foramen Ovale in Hypoplastic Left Heart
Roland Axt-Fliedner,* Jan Degenhardt, Melanie Vogel, Jan Weichert, Ulrich Gembruch, Thomas Kohl, Christian Enzensberger

12:11 PM–12:18 PM
1538894 The Fetal-Maternal Vascular Impedance Index: A Potential New Tool for Characterization of Fetal Circulatory Health
Debbra Soffer,* Margaret McCann, Xi Liu, Zhiyun Tian, Jack Rychik

12:30 PM–1:30 PM
Lunch in the Exhibit Hall
Westside Ballroom • Fifth Floor

12:30 PM–1:30 PM
Committee Meeting
Presidential Advisory Committee
Barrymore • Ninth Floor

12:30 PM–1:30 PM
Community Meetings
Earn up to 1 CME credit each.
CARDIO Cardiovascular Ultrasound Community
Marquis Ballroom C • Ninth Floor
OB Obstetric Ultrasound Community
Broadway Ballroom North • Sixth Floor
SONO Sonography Community
Shubert Complex • Sixth Floor
**Special Interest Sessions**

**Cellular Bioeffects and Applications**

**Earn up to 2 CME credits.**

*Soho Complex • Seventh Floor*

*Moderator: Diane Dalecki, PhD*

After attending this session, participants will gain an understanding of methods and challenges for investigations of ultrasound on cellular systems and knowledge of several different but related cellular bioeffects and their applications in medicine and tissue engineering. An appreciation of cellular-level bioeffects will correlate to having a better understanding of the therapeutic bioeffects at the tissue and organ levels in human subjects.

- **1:30 PM–2:00 PM**
  - Applications of Ultrasound Standing Wave Fields in Tissue Engineering
    - **Diane Dalecki, PhD**

- **2:00 PM–2:30 PM**
  - Interactions of Microbubbles With Cells and Their Applications for Drug and Gene Delivery
    - **Cheri Deng, PhD**

- **2:30 PM–3:00 PM**
  - Directing Extracellular Matrix Protein Microstructure With Ultrasound
    - **Denise Hocking, PhD**

- **3:00 PM–3:30 PM**
  - Study of Factors Affecting the Magnitude and Nature of Ultrasound Exposure With In Vitro Setups
    - **Kullervo Hynynen, PhD**

**Elastography 2013**

**Earn up to 2 CME credits.**

*Marquis Ballroom C • Ninth Floor*

*Moderator: Richard Barr, MD, PhD*

This session is designed to provide an overview of types of elastography and how they are performed, provide an overview of shear wave elastography to evaluate liver fibrosis, and provide an overview of how elastography can help in characterization of lesions (multiple organs).

- **1:30 PM–2:00 PM**
  - Principles of Elastography
    - **Brian Garra, MD**

- **2:00 PM–2:30 PM**
  - Elastography of Diffuse Liver Disease
    - **Giovanna Ferraioli, MD**

- **2:30 PM–3:00 PM**
  - Prostate Elastography
    - **Jean-Michel Correas, MD, PhD**

- **3:00 PM–3:30 PM**
  - Thyroid Elastography
    - **Andrej Lyshchik, MD, PhD**
Exploring the Interface of Ethics and Communication in Prenatal Care: A Video-Based Approach

Earn up to 2 CME credits.

Broadway Ballroom South

Moderator: Stephen Brown, MD
Panelists: Stephen Brown, MD, Bryann Bromley, MD, Elaine Meyer, PhD, RN

This session is designed to demonstrate alternate approaches for sharing initial information with patients at the time of detection of a fetal anomaly. Effective communication methods will be discussed, and how ethical values are embedded in the way we communicate with our patients will be reviewed.

M1 Hands-on Carotid and Transcranial Doppler Ultrasound

Earn up to 2 CME credits.

Empire Complex • Seventh Floor

Moderator: Tatjana Rundek, MD

Hands-on Scanning Faculty: Andre Alexandrov, MD, Eva Bartels, MD, Philip Bendick, MD, John Blebea, MD, Dorothy Bulas, MD, Digna Cabral, RDMS, Emmanuel Carrera, RDMS, Joshua Cruz, MD, M. Robert De Jong, RDMS, RDCS, RVT, Zsolt Garani, MD, Patricia Haggerty, RDMS, RDCS, RVT, Salvatore LaRusso, MEd, RDMS, RT(R), Randolph Marshall, MD, Oscar Ramos, RDMS, Tatjana Rundek, MD, Leslie Scoutt, MD, Roque Sia, RDMS, Susan Smith, RDMS, RVT, RDCS, Charles Tegeler, MD, Samuel Trocio, RVT

In this session, participants will be provided with live demonstrations of carotid and transcranial Doppler scanning protocols and hands-on practice sessions at ultrasound stations. Preregistration is required.

1:30 PM–1:45 PM Carotid Scanning: How to Do It
Susan Smith, RDMS, RVT, RDCS

1:45 PM–3:30 PM Hands-on Scanning
New Techniques and Methods in Ultrasound-Guided Interventions

Earn up to 2 CME credits.

Marquis Ballroom A/B

Moderator: Corinne Deurdulian, MD

After attending this session, participants will be able to understand the newer techniques using ultrasound and computed tomography fusion and ultrasound and magnetic resonance imaging fusion and understand and become familiar with the newer needles and catheters and various kits used currently for biopsy.

1:30 PM–2:00 PM  The Procedure Patient: Preparation, Coagulation, and Management
  Corinne Deurdulian, MD

2:00 PM–2:30 PM  Utilization of Contrast-Enhanced Ultrasound in Interventional Radiology
  Dean Huang, BMedSci, MRCPCH, FRCR, EBIR

2:30 PM–3:00 PM  When to Choose an Ultrasound Procedure
  David Madoff, MD

3:00 PM–3:30 PM  The Role of Global Positioning System Needle-Tracking Devices in Ultrasound-Guided Interventions
  Hisham Tchelepi, MD

Vaginal Bleeding in the First Trimester

Earn up to 2 CME credits.

Broadway Ballroom North

Moderator: Leslie Scoutt, MD

After attending this session, participants should be able to discuss new discriminatory zones for the management and ultrasound evaluation of symptomatic first-trimester vaginal bleeding, discuss the ultrasound findings of miscarriage/failed pregnancy, and discuss how to diagnose ectopic pregnancy with ultrasound.

1:30 PM–2:00 PM  Ultrasound Evaluation for Retained Products of Conception
  Douglas Brown, MD

2:00 PM–2:30 PM  Diagnostic Criteria for Miscarriage and Nonviable Pregnancy in the Early First Trimester
  Peter Doubilet, MD, PhD

2:30 PM–3:00 PM  Poor Prognostic Indicators and Gestational Trophoblastic Neoplasia
  Robert Harris, MD, MPH

3:00 PM–3:30 PM  Ectopic Pregnancy
  James Shwayder, MD, JD
3:30 PM–4:00 PM
Refreshment Break in the Exhibit Hall
Westside Ballroom • Fifth Floor

4:00 PM–5:30 PM
Film Panel Sessions

Difficult Diagnosis in Emergency and Critical Care: Can Ultrasound Help?
Earn up to 1.5 CME credits.
Astor Ballroom • Seventh Floor
Moderator: Bret Nelson, MD, RDMS
Panelists: Gerardo Chiricolo, MD, Rob Goodman, MD, Bret Nelson, MD, RDMS, John Pellerito, MD

After attending this session, participants will be able to describe a variety of clinical situations in which ultrasound may aid diagnosis, recognize normal and abnormal anatomy of soft tissue, tendons, eyes, and other areas, and place ultrasound evaluation in context with other physical examination and imaging modalities.

Obstetric Ultrasound
Earn up to 1.5 CME credits.
Broadway Ballroom North • Sixth Floor
Moderator: Janice Byrne, MD
Panelists: Janice Byrne, MD, Joan Mastrobattista, MD, Mani Montazemi, RDMS, Thomas Shipp, MD, Isabelle Wilkins, MD

This session is designed to evaluate new and challenging obstetric cases in ultrasound with a group of expert panelists.

Pediatrics: Shedding Light on Difficult Cases
Earn up to 1.5 CME credits.
Marquis Ballroom A/B • Ninth Floor
Moderator: Sara O’Hara, MD
Panelists: David Blews, MD, Brian Coley, MD, Lynn Fordham, MD, Sara O’Hara, MD

This session is designed to review interesting and difficult pediatric sonographic cases with a panel discussion from several physicians on formulating differential diagnoses and guiding therapy.
4:00 PM–5:30 PM
Committee Meeting
Clinical Standards Committee
Cantor • Ninth Floor

4:00 PM–5:30 PM
Special Interest Sessions

M2 Hands-on Elastography
Earn up to 1.5 CME credits.
Empire Complex • Seventh Floor
Moderator: Richard Barr, MD, PhD
Hands-on Scanning Faculty: Richard Barr, MD, PhD
This session is designed to provide a workshop with various vendors demonstrating how to perform and interpret elastography with their equipment and demonstrating the differences in techniques between vendors to obtain optimal images. Preregistration required.

Interventional and Other Ultrasound Techniques: How I Do It
Earn up to 1.5 CME credits.
Marquis Ballroom C • Ninth Floor
Moderator: David Fessell, MD
After attending this session, participants will know when and how to use interventional musculoskeletal ultrasound techniques.

4:00 PM–4:30 PM  Contrast Ultrasound
Ronald Adler, MD, PhD

4:30 PM–4:40 PM  Biceps Sheath Injections
Kira Chow, MD

4:40 PM–4:50 PM  Ultrasound-Guided Treatment of Morton Neuroma
Viviane Khoury, MD

4:50 PM–5:00 PM  Wrist/Hand Procedures
Suzanne Long, MD

5:00 PM–5:10 PM  Botox Injection in the Sternocleidomastoid Muscle
Robert Lopez, MD

5:10 PM–5:30 PM  Questions and Answers
Quantitative Ultrasound Biomarkers
Earn up to 1.5 CME credits.

**Manhattan Ballroom • Eighth Floor**

*Moderators: Paul Carson, PhD, Timothy Hall, PhD, ABR*

This session is designed to discuss the many potential quantitative ultrasound biomarkers.

- **4:00 PM–4:05 PM** Introductory Remarks on Opportunities for Ultrasound Standard Bodies
  *Paul Carson, PhD*

- **4:05 PM–4:20 PM** Quantitative Imaging Biomarker Alliance Biomarker Precision and Validation for Clinical Use: Drug and Instrumentation Trials
  *Brian Garra, MD*

- **4:20 PM–4:35 PM** Quantitative Imaging Biomarker Alliance Shear Wave Speed Imaging: Making It Much More Reproducible
  *Timothy Hall, PhD*

- **4:35 PM–4:50 PM** Quantitative Volume Flow
  *Oliver Kripfgans, PhD*

- **4:50 PM–5:05 PM** Quantitative Ultrasound Applied to Detection and Imaging of Prostate Cancer and Lymph Node Metastases
  *Ernest Feleppa, PhD*

- **5:05 PM–5:20 PM** Quantitative Contrast Imaging and Spectral Doppler
  *Kenneth Hoyt, PhD, MBA*

- **5:20 PM–5:30 PM** Questions and Answers

Ultrasound Incidentalomas
Earn up to 1.5 CME credits.

**Broadway Ballroom South • Sixth Floor**

*Moderator: Franklin Tessler, MD, CM*

In this session, participants will learn how to approach cases in which incidental findings are noted on the ultrasound images.

- **4:00 PM–4:30 PM** Incidentalomas in the Abdomen
  *Franklin Tessler, MD, CM*

- **4:30 PM–5:00 PM** Incidental Findings in the Soft Tissue and Extremities
  *Deborah Rubens, MD*

- **5:00 PM–5:30 PM** Incidental Findings in the Neck
  *Shwetta Bhatt, MD*
4:00 PM–5:30 PM
Scientific Sessions
Learn about the latest research in ultrasound in concise oral presentations. * indicates presenter.

**Carotid/Cerebrovascular Ultrasound and Neurosonology**
Earn up to 1.5 CME credits.
Shubert Complex • Seventh Floor
*Moderator: David Vilkomerson, PhD*

4:15 PM–4:22 PM
1538396 Monitoring the Formation of Aneurysms in Murine Aortas Using Pulse Wave Imaging
Sacha Nandlall,* Monica Goldklang, Jeanine d’Armiento, Elisa Konofagou

4:22 PM–4:29 PM
1510020 Results of Evaluation of the Spectral Curve in Aortoiliac Disease
Mireia Cussó Sorribas,* Xavier Martí Mestre, Nicolo Rizza Siniscalchi, Sara Garcia Pelegri, Antonio Romera Villegas, Ramon Vila Coli

4:29 PM–4:36 PM
1530492 Comparison of Automatic and Manual Transcranial Sonographic Morphometric Measurement of the Substantia Nigra
Monika Jelinkova, David Skoloudik,* Jiri Blahuta, Tomas Soukup, Petr Cermak, Petra Bartova, Katerina Langova, Roman Herzig

4:36 PM–4:43 PM
1540954 Investigation of Asymmetries in Cerebral Collateral Flow for Patients With Carotid Stenosis
Khalid Al Muhanna,* Limin Zhao, Kirk Beach, Brajesh Lal, Gregory Kowalewski, Siddhartha Sikdar

4:43 PM–4:50 PM
1512012 Left-to-Right Image Registration of Longitudinal Carotid Images Improves Intima-Media Thickness and Atherosclerosis Disease Monitoring
Filippo Molinari, Nobutaka Ikeda, U. Rajendra Acharya, Luca Saba, Andrew Nicolaides, Jasjit Suri*

4:50 PM–4:57 PM
1540884 More Easily Deployable Long-term Transcranial Doppler Monitoring of the Middle Cerebral Artery
Bill Beck
This is the year to...

**Inspire**—share the facts about the benefits and uses of ultrasound with colleagues

**Integrate**—incorporate ultrasound into curriculum at all levels

**Enrich**—add the element of ultrasound into grand rounds at your hospital

**Educate**—present a course on ultrasound in your specialty at your national conference

YOU can make a difference in health care

Visit the SUSME/2013: Year of Ultrasound booth in the Fifth Floor Foyer

www.ultrasound2013.org

Organized by the Society of Ultrasound in Medical Education (SUSME) and the American Institute of Ultrasound in Medicine (AIUM)
## Convention Schedule at a Glance

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>6:00 AM–4:30 PM</td>
<td>Registration Open</td>
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<tr>
<td>7:00 AM–8:00 AM</td>
<td><em>Journal of Ultrasound in Medicine</em> Editorial Board Meeting</td>
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<td></td>
<td>Just Images and Comprehensive Refresher Sessions</td>
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<tr>
<td>8:00 AM–5:30 PM</td>
<td>E-Posters Open for Viewing</td>
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<tr>
<td>8:15 AM–9:15 AM</td>
<td>Exhibitor Advisory Council Meeting</td>
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<td>8:15 AM–10:15 AM</td>
<td>Community Meeting</td>
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<td></td>
<td>Three- and Four-Dimensional Volume Data Set Manipulation:</td>
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<td></td>
<td>Gynecology</td>
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<td>Special Interest Sessions</td>
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<td>Hands-on Special Interest Session</td>
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<td>9:15 AM–10:15 AM</td>
<td>Community Meetings</td>
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<tr>
<td>9:30 AM–4:00 PM</td>
<td>Exhibit Hall Open</td>
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<tr>
<td>10:15 AM–11:00 AM</td>
<td>Refreshment Break in the Exhibit Hall</td>
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<tr>
<td>10:15 AM–11:15 AM</td>
<td>Community Meeting</td>
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<tr>
<td>10:30 AM–12:00 PM</td>
<td>Endowment for Education and Research Committee Meeting</td>
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<tr>
<td>10:30 AM–12:30 PM</td>
<td>Three- and Four-Dimensional Volume Data Set Manipulation:</td>
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<td></td>
<td>Obstetrics</td>
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<tr>
<td>11:00 AM–12:30 PM</td>
<td>Scientific Sessions</td>
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<td>Film Panel Session</td>
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<td></td>
<td>Hands-on Special Interest Session</td>
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<tr>
<td>11:30 AM–12:30 PM</td>
<td>Community Meeting</td>
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<tr>
<td>12:30 PM–1:30 PM</td>
<td>Lunch in the Exhibit Hall</td>
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<td>Community Meetings</td>
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<tr>
<td>1:00 PM–3:00 PM</td>
<td>Three- and Four-Dimensional Volume Data Set Manipulation:</td>
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<td>Obstetrics</td>
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<td>1:30 PM–3:30 PM</td>
<td>Special Interest Sessions</td>
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<td>Hands-on Special Interest Session</td>
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<td>Accreditation “Getting Started” Workshop</td>
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<td>3:30 PM–4:00 PM</td>
<td>Refreshment Break in the Exhibit Hall</td>
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<tr>
<td>3:30 PM–5:30 PM</td>
<td>Three- and Four-Dimensional Volume Data Set Manipulation:</td>
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<td>Fetal Echocardiography</td>
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<td>4:00 PM–4:45 PM</td>
<td>Community Meeting</td>
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<tr>
<td>4:00 PM–5:00 PM</td>
<td>Sound Judgment Clinical Vignette Task Force Committee Meeting</td>
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<tr>
<td>4:00 PM–5:30 PM</td>
<td>Special Interest Sessions</td>
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<td>Film Panel Session</td>
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<td>Scientific Sessions</td>
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<tr>
<td>4:45 PM–5:30 PM</td>
<td>Community Meeting</td>
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<tr>
<td>7:00 PM–11:00 PM</td>
<td>Leadership Banquet <em>(by invitation only)</em></td>
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Where Can You Find Over 20 DVDs Offering CME Credit?

At the AIUM Resource Center!

- AIUM DVD programs cover various medical ultrasound topics, including general and abdominal, breast, emergency and critical care, musculoskeletal, obstetric and gynecologic, and more!
- Each DVD comes with 5 CME test and evaluation forms that allow you and up to 4 colleagues to earn credits at no extra charge.
- AIUM members save 50% on your DVD purchase!
- You’re welcome to preview DVDs at the Resource Center.

Visit the Resource Center in the Fifth Floor Foyer, or order from the online store at www.aium.org.
7:00 AM–8:00 AM
Committee Meeting

*Journal of Ultrasound in Medicine* Editorial Board
Cantor/Jolson • Ninth Floor

7:00 AM–8:00 AM
Just Images and Comprehensive Refresher Sessions

**All the Things Human Resources and Your Boss Don’t Want You to Know: Sonographer Employment Issues and Salary Levels**
Earn up to 1 CME credit.
Manhattan Ballroom • Eighth Floor
Moderator: James Pennington, RDMS

This session will provide an in-depth discussion that demonstrates the diminution of the profession of nonphysician sonographers and the inadequate compensation levels across the country in comparison to those who perform lesser duties and receive greater benefits. New concepts of elevating the profession and ways of providing a living wage to those who practice in the field will be addressed.

7:00 AM–7:20 AM  Can You Be Red Circled? The Boundaries of Benefits and How You Will Not Continue to Increase in Worth
James Pennington, RDMS

7:20 AM–7:40 AM  Do You See Anything? The Devaluing of the Ultrasound Imaging Profession
*M. Robert De Jong, RDCS, RDMS, RVT*

7:40 AM–8:00 AM  Our Current Plight: Have We Done This to Ourselves?
*Salvatore LaRusso, MEd, RDMS, RT(R)*

**Breast Elastography**
Earn up to 1 CME credit.
Majestic • Sixth Floor
Speaker: Kazutaka Nakashima, MD

This session will provide an overview of breast mass characterization with various types of elastography, discuss how to apply elastography to one’s practice, and discuss elastography and Breast Imaging Reporting and Data System classifications.
Just Images: Abnormal Bleeding

Earn up to 1 CME credit.

**Broadway Ballroom North • Sixth Floor**

*Moderator: Misty Blanchette Porter, MD*

*Panelists: Misty Blanchette Porter, MD, Anne Silas, MD*

This session is designed to discuss many different clinical scenarios and ultrasound findings of abnormal bleeding, with a variety of illustrative images.

Mild/Soft Signs of Karyotypic Anomalies

Earn up to 1 CME credit.

**Broadway Ballroom South**

*Speaker: Robert Harris, MD, MPH*

After attending this session, participants will be able to list the various sonographic soft signs of karyotypic anomalies.

Perinatal Ultrasound: Fetal and Neonatal Correlations

Earn up to 1 CME credit.

**Marquis Ballroom A/B • Ninth Floor**

*Moderator: Harris L. Cohen, MD*

This session is designed to correlate ultrasound and Doppler imaging of prenatal anomalies with postnatal correlations.

- **7:00 AM–7:20 AM** Perinatal Central Nervous System
  *Harris L. Cohen, MD*

- **7:20 AM–7:40 AM** Perinatal Genitourinary
  *Maria Calvo-Garcia, MD*

- **7:40 AM–8:00 AM** Perinatal Intrathoracic
  *Carol Barnewolt, MD*
Recent Developments in High-Frequency Ultrasonic Transducers and Arrays

Earn up to 1 CME credit.  
Shubert Complex • Seventh Floor

Moderator: Jonathan Mamou, PhD

This session is designed to review the state of the art in the technological development of high-frequency ultrasonic transducers and arrays.

7:00 AM–7:20 AM  20- to 40-MHz 1–3 Piezo Composite Linear Arrays for Medical Imaging
Claire Bantignies, MS

7:20 AM–7:40 AM  Real-time Imaging and Applications With High-Frequency Annular Arrays
Jeff Ketterling, PhD

7:40 AM–8:00 AM  Thick-Film Technologies for High-Frequency Ultrasonic Transducers
Marc Lethiecq, PhD

Teaching and Assessing Point-of-Care Ultrasonography

Earn up to 1 CME credit.  
Marquis Ballroom C

Moderator: John Pellerito, MD

After attending this session, participants should be able to discuss current methods of teaching point-of-care ultrasonography, which will include curriculum design, updates in the use of ultrasound simulators, and ultrasound competency assessment.

7:00 AM–7:30 AM  SAT, ACT, MCAT, and USAT? A Standardized Approach to Assessing and Teaching Point-of-Care Ultrasound in Medical Education
Creagh Boulger, MD

7:30 AM–8:00 AM  Ultrasound Technology Diffusion: How to Ensure Competency of Hospital Physicians
Vicki Noble, MD, RDMS
Understanding Doppler Images and Quality Control of Image Acquisition
Earn up to 1 CME credit.
Astor Ballroom • Seventh Floor
Moderator: Leslie Scoutt, MD
This session is designed to describe the physiology behind color Doppler images, spectral Doppler waveforms, and quality control of image acquisition.

7:00 AM–7:30 AM Understanding Doppler Images
Christopher Merritt, MD

7:30 AM–8:00 AM Questions and Answers on Image Acquisition
Laurence Needleman, MD

8:15 AM–9:15 AM
Committee Meeting
Exhibitor Advisory Council
Barrymore • Ninth Floor

8:15 AM–10:15 AM
Community Meeting
Elastography Interest Group
Earn up to 1 CME credit each.
Hart • Fourth Floor
8:15 AM–10:15 AM
Three- and Four-Dimensional Volume Data Set Manipulation: Gynecology

Earn up to 2 CME credits.

GE Healthcare Faculty: Todd Deutch, MD, Sharon Horton, RT, RDMS
Soho/Herald • Seventh Floor

Philips Healthcare Faculty: William Brown III, MD, Elise Housman, RDMS
Gramercy/Olmstead • Seventh Floor

This session will be used to introduce laptop-based handling of 3-dimensional (3D) software and provide guided assistance to improve 3D ultrasound-based diagnostic skills. Preregistration required.

8:15 AM–10:15 AM
Special Interest Sessions

Contrast-Enhanced Ultrasound in Pediatrics: What Have We Learned and How Can We Apply It?

Earn up to 2 CME credits.
Marquis Ballroom C • Ninth Floor

Moderator: Beth McCarville, MD

This session is designed to educate physicians and technologists about the use of ultrasound contrast agents in children.

8:15 AM–8:45 AM Safety
Beth McCarville, MD

8:45 AM–9:15 AM Voiding Urosonography
Kassa Darge, MD, PhD

9:15 AM–9:45 AM Testicular Torsion
Harriet Paltiel, MD

9:45 AM–10:15 AM Contrast-Enhanced Ultrasound in Pediatric Abdominal Trauma
Annmaria Deganello, MD
Cutting-edge Musculoskeletal Ultrasound: Peripheral Nerves of the Upper Extremity

Earn up to 2 CME credits.

Astor Ballroom • Seventh Floor

Moderator: Corrie Yablon, MD

After attending this session, participants should know how and when to perform ultrasound examinations of the peripheral nerves of the upper extremity, including interventional techniques.

8:15 AM–8:55 AM Anatomy
Corrie Yablon, MD

8:55 AM–9:35 AM Radial, Median, and Ulnar Nerve Paths
Theodore Miller, MD

9:35 AM–10:15 AM Carpal Tunnel
Gandikota Girish, MD

Doppler Evaluation of the Abdomen

Earn up to 2 CME credits.

Broadway Ballroom South • Sixth Floor

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

After attending this session, participants should be able to discuss basic techniques in Doppler imaging and identify pathology.

8:15 AM–8:45 AM Sonographic Evaluation of Portal Hypertension
Monzer Abu-Yousef, MB, BCh, ABR

8:45 AM–9:15 AM Doppler Techniques in the Abdomen
M. Robert De Jong, RDMS, RDCS, RVT

9:15 AM–9:45 AM Pathologic Findings in Abdominal Vasculature
Hanh Nghiem, MD

9:45 AM–10:15 AM Doppler Evaluation of the Renal Arteries and Veins
Nirvikar Dahiya, MD

Hands-on How to Do Ultrasound-Guided Interventions

Earn up to 2 CME credits.

Empire Complex • Seventh Floor

Moderator: Dean Nakamoto, MD

Hands-on Scanning: Nami Azar, MD, Shweta Bhatt, MD, Katharine Dennis, RDMS, Corinne Deurdulian, MD, Loribeth Hollifield, RDMS, Dean Nakamoto, MD, Paul Rochon, MD

After attending this session, participants will be able to describe prebiopsy preparations, use and have hands-on experience with the techniques of doing biopsies of soft tissue masses, thyroid nodules, breast masses, the liver, and kidneys, and recognize and manage complications. Preregistration required.
**Pearls From the Anatomic Survey (Skeletal Dysplasias and Central Nervous System, Renal, and Chest Abnormalities)**

Earn up to 2 CME credits.

**Broadway Ballroom North • Sixth Floor**

*Moderator: Ana Monteagudo, MD, RDMS*

This session will present cases of fetal skeletal dysplasias and describe a systematic approach for diagnosis.

- **8:15 AM–8:55 AM** Fetal Central Nervous System  
  *Ana Monteagudo, MD, RDMS*

- **8:55 AM–9:35 AM** The Added Value of 3-Dimensional Ultrasound to the Anatomy Scan  
  *Ilan Timor, MD*

- **9:35 AM–10:15 AM** Pearls for First- and Second-Trimester Fetal Anatomy  
  *J. Oscar Barahona, RDMS, BS*

**Small-Animal Preclinical High-Frequency Imaging**

Earn up to 2 CME credits.

**Marquis Ballroom A/B • Ninth Floor**

*Moderator: Michael Kolios, PhD*

This session is designed to review the state of the art in high-resolution micro-ultrasound imaging of preclinical disease models and therapy evaluations.

- **8:15 AM–8:50 AM** Small-Animal Preclinical High-Frequency Imaging  
  *F. Stuart Foster, PhD*

- **8:50 AM–9:25 AM** Cardiovascular Functional Imaging in Mice in Vivo  
  *Elisa Konofagou, PhD*

- **9:25 AM–10:00 AM** Advances in High-Frequency Transducers and Arrays  
  *K. Kirk Shung, PhD*

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

**9:15 AM–10:15 AM**

**Community Meetings**

Earn up to 1 CME credit each.

*ERCC*  
**Emergency and Critical Care Ultrasound Community**  
**Majestic/Music Box • Sixth Floor**

*THERA*  
**Therapeutic Ultrasound Community**  
**Manhattan Ballroom • Eighth Floor**
10:15 AM–11:00 AM
**Refreshment Break in the Exhibit Hall**
Westside Ballroom • Fifth Floor

10:15 AM–11:15 AM
**Community Meeting**
Earn up to 1 CME credit each.
PEDS Pediatric Ultrasound Community
Majestic Complex • Sixth Floor

10:30 AM–12:00 PM
**Committee Meeting**
Endowment for Education and Research Committee Meeting
Brecht • Fourth Floor

10:30 AM–12:30 PM
**Three- and Four-Dimensional Volume Data Set Manipulation: Obstetrics**
Earn up to 2 CME credits.
GE Healthcare Faculty: Lori Crites, RN, RDMS, Julia Solomon, MD
Soho/Herald • Seventh Floor
Philips Healthcare Faculty: Delores Pretorius, MD, Linda Sheets, BS, RT, RDMS, RDMS, RVT, Nga Tran, RDMS, Katherine White, RDMS
Gramercy/Olmstead • Seventh Floor

This session will be used to introduce laptop-based handling of 3-dimensional (3D) software and provide guided assistance to improve 3D ultrasound-based diagnostic skills. Preregistration required.
Scientific Sessions

Learn about the latest research in ultrasound in concise oral presentations.
* indicates presenter.

Applications of Therapeutic Ultrasound

Earn up to 1.5 CME credits.

Marquis Ballroom C • Ninth Floor

Moderators: George Lewis Jr, PhD, Maggie Zhang, PhD

11:00 AM–11:15 AM
Luminary Speaker: George Lewis Jr, PhD

11:15 AM–11:22 AM
1541279 Antitumor Effects of Combining Docetaxel and Paclitaxel With the Antivascular Effects of Ultrasound-Stimulated Microbubbles
Margarita Todorova, Vlad Agache, Raffi Karshafian, Kullervo Hynynen, David Goertz*

11:22 AM–11:29 AM
1540384 Dynamic Positron Emission Tomographic Imaging of Drug Delivery and Hypoxia Using Acoustic Droplet Vaporization
Mario Fabiilli, Morand Piert, Philip Sherman, Carole Quesada, Oliver Kripfgans*

11:29 AM–11:36 AM
1540880 Evaluation and Optimization of Nonfocused Sonothrombolysis Parameters in an In Vitro Chamber Model
Shane Fleshman,* Adelaide de Guillebon, George Lewis

11:36 AM–11:43 AM
1540858 Hydrogel Materials as Ultrasound Coupling Media
Matthew Langer,* Shane Fleshman, George Lewis

11:43 AM–11:50 AM
1541006 Low-Intensity Pulsed Ultrasound Enhances Reactive Oxygen Species Production Following a Blunt Impact Injury in Articular Cartilage
Kee Jang,* Prem Ramakrishnan, Tae-Hong Lim, Joseph Buckwalter, James Martin

11:50 AM–11:57 AM
1543362 Microbubble and Ultrasound Enhancement of Radiation-Induced Tumor Cell Death In Vivo: ASMase Dependence
Gregory Czarnota,* Amr Hashim, Ahmed El Kaffas, Raffi Karshafian, Anoja Giles, Sara Iraji, Azza Al Mahmoud
11:57 AM–12:04 PM
1540684 On the Acceleration of Ultrasound Thermal Therapy by Patterned Acoustic Droplet Vaporization
Oliver Kripfgans,* Mario Fabiilli, Scott Swanson, Charles Mougenot, Paul Carson, Man Zhang, J. Brian Fowlkes

12:04 PM–12:11 PM
1540272 Potential Strong High-Intensity Focused Ultrasound Ablation-Induced Tissue Damage as Measured by Viscoelastic Characterization of Canine Liver Tissue After Ablation
Daniel Shahmirzadi,* Gary Hou, Elisa Konofagou

12:11 PM–12:18 PM
1540029 Therapeutic Ultrasound as Treatment for Chronic Bacterial Prostatitis
Mingde Li

12:18 PM–12:25 PM
1540196 Ultrasound-Assisted Chronic Wound Management: Clinical Outcome
Joshua Samuels, Michael Weingarten, Leonid Zubkov, Youhan Sunny, Christopher Bawiec, David Margolis, Peter Lewin*

BSI    Basic Science: Instrumentation, Contrast Agents, and Bioeffects

Earn up to 1.5 CME credits.

Manhattan Ballroom • Eighth Floor

Moderators: Chandra Sehgal, PhD, David Vilkomerson, PhD

11:00 AM–11:10 AM
1536946 Improved Accuracy in the Measurement of Acoustic Output Parameters via Complex Deconvolution of Hydrophone Sensitivity
Keith Wear,* Paul Gammell, Subha Maruvada, Yunbo Liu, Gerald Harris

11:10 AM–11:20 AM
1538679 Pulmonary Hemorrhage Induced by Diagnostic Ultrasound Revealed by Growth of Comet Tail Artifacts in the Image
Douglas Miller

11:20 AM–11:30 AM
1528109 Evaluation of Definity Stability Over Time Using Double Passive Cavitation Detection
Marianne Gauthier,* Daniel King, William O’Brien Jr

11:30 AM–11:40 AM
1541018 Arrival Time Estimation in a Sparsely Sampled Hemispheric Transducer Array
Jason Tillett,* Jeffrey Astheimer, Robert Waag
11:40 AM–11:50 AM
1539831 The USAGES Study (Ultrasonographic Study of Alternative Gel Experimental Substances): A Trial of Alternative Substances for Use in Clinical Sonographic Imaging
Davut Savaser,* Siobhan Gray, Anthony Medak, Virag Shah, Derrick Allen, Eddie Castillo, Mary Beth Johnson

11:50 AM–12:00 PM
1540013 User-friendly System for Assessing Imaging Performance in the Clinic
Ernest Madsen,* Chihwa Song, Gary Frank

12:00 PM–12:10 PM
1541363 Pulse-Echo–Based Sound Speed Estimations Using Speckle Statistics
Ivan Rosado-Mendez, Kibo Nam, Timothy Hall, James Zagzebski*

CARDIO  Cardiovascular Ultrasound

Earn up to 1.5 CME credits.
Shubert Complex • Sixth Floor
Moderator: John Blebea, MD, MBA

11:15 AM–11:25 AM
1521708 Lagrangian Deformation Tracking of the Left Ventricle for Cardiac Ultrasound Strain Imaging
Chi Ma,* Tomy Varghese

11:25 AM–11:35 AM
1509371 Effects of Respiration on Estimation of Systolic Pulmonary Artery Pressure in Patients With Right Ventricle Systolic Dysfunction
Xiao-Yong Zhang,* Tie-Sheng Cao, Li-Jun Yuan

11:35 AM–11:45 AM
1541517 High–Frame Rate Lateral Strain Estimation Using Virtual Beam Focusing in Canine and Human Hearts In Vivo
Ethan Bunting,* Jean Provost, Elisa Konofagou

11:45 AM–11:55 AM
1540358 Nurse-Based Use of Handheld Ultrasound Examination for Heart Failure
Mikael Gustafsson,* Ulf Dahlström, Urban Alehagen, Peter Johansson

11:55 AM–12:05 PM
1520493 Performance Assessment of Cardiac Strain Imaging Using Radio-frequency and Envelope Signals
Chi Ma,* Tomy Varghese
Gynecologic Ultrasound

Earn up to 1.5 CME credits.

Broadway Ballroom South • Sixth Floor
Moderator: Jodi Lerner, MD

11:00 AM–11:15 AM
Luminary Speaker: Jodi Lerner, MD

11:15 AM–11:22 AM

1541483 Three-Dimensional Ultrasound Assessment of Uterine Cavity Remodeling After Surgical Correction of Subseptations
Laura Detti

11:22 AM–11:29 AM

1541423 Assessment of Levator Ani Muscle Deformation During the First and Third Trimesters of Pregnancy Using Tissue Doppler Imaging at Maximal Kegel: A Pilot Study
Timothy Canavan

11:29 AM–11:36 AM

1523456 Biometric Ultrasound Findings of Trophoblastic Implantation on Cesarean Scars
Elysia Moschos, C. Edward Wells, Diane Twickler*

11:36 AM–11:43 AM

1537573 Diagnosis of Polycystic Ovaries (PCO) by Ovarian Appearance Only: A Prospective Study of Infertility Patients Comparing Those With Unilateral, Bilateral, and No PCO With Regard to Body Mass Index and Cycle Regularity
Alex Hartman,* Rose Lee, Brian Hartman

11:43 AM–11:50 AM

1538495 Evaluation of Cervical Cancer Detection With Acoustic Radiation Force Impulse Ultrasound Imaging: Preliminary Results
Yijin Su,* Lianfang Du, Ying Wu, Juan Zhang, Xuemei Zhang, Xiao Jia, Yingyu Cai, Yunhua Li, Jing Zhao, Qian Liu
11:50 AM–11:57 AM
1512000 Texture-Based Ovarian Tumor Characterization Using 3-Dimensional Ultrasound
U. Rajendra Acharya, Stefano Guerriero, Filippo Molinari, Luca Saba, Jasjit Suri*

11:57 AM–12:04 PM
1512001 Tumor Characterization From 3-Dimensional Gynecologic Ultrasound: A New Online Feature-Based Paradigm
U. Rajendra Acharya, Luca Saba, Filippo Molinari, Stefano Guerriero, Jasjit Suri*

12:04 PM–12:11 PM
1537972 Value of Transvaginal Ultrasonography in Diagnosing Adenomyosis
Birsen Ogutcu, Kathryn Gunnison, Bakytbubu Arynova, Jack Garon, Josef Blankstein

12:11 PM–12:18 PM
1509704 To Chaperone or Not to Chaperone
Jenny Parkes, Michal Schneider-Kolsky, Paul Lombardo

12:18 PM–12:25 PM
1538726 What Causes Postmenopausal Bleeding (PMB)? A Prospective Study of 670 Consecutive Patients With PMB Examined With Regard to Body Mass Index and the Prevalence of Abnormalities on Sonohysterography
Alex Hartman, Rose Lee, Brian Hartman

12:25 PM–12:32 PM
1541040 Spatial Variability of Shear Wave Speed Estimation in the Normal Nonpregnant Cervix
Lindsey Carlson, Mark Palmeri, Lisa Reusch, Helen Feltovich, Timothy Hall

08 Obstetric Ultrasound: Fetal Anomalies

Earn up to 1.5 CME credits.

Broadway Ballroom North • Sixth Floor
Moderators: Israel Meizner, MD, Heather Welch, MD

11:00 AM–11:15 AM
Luminary Speaker: Israel Meizner, MD

11:15 AM–11:22 AM
1525585 Late Diagnosis of Fetal Central Nervous System Anomalies Following a Normal Second-Trimester Anatomy Scan: Should a Third-Trimester Anatomy Scan Be Routinely Recommended?
Eldad Katorza, Yoav Yinon, Chen Hoffmann, Shlomo Lipitz, Reuven Achiron, Boaz Weisz
11:22 AM–11:29 AM
1531347  Fetal Magnetic Resonance Imaging as an Adjunct to Antenatal Ultrasound for Assessment of Fetal Anomalies
       Amber Samuel,* Sherelle Laifer-Narin, Christina Herrera, Lynn Simpson, Russell Miller

11:29 AM–11:36 AM
1541099  Fetal Lymphatic Malformations: More Variable Than We Think?
       Beverly Coleman, Suzanne Iyoob, Edward Oliver,* Teresa Victoria, Devon Looney, Steven Horii, Julie Moldenhauer, Lori Howell, N. Scott Adzick

11:36 AM–11:43 AM
1541459  Fetal Growth Restriction in Pregnancies Complicated by Isolated Cleft Lip or Palate
       Emily DeFranco,* Jessica Smith, Paul DeFranco

11:43 AM–11:50 AM
1539040  Detection of Structural Anomalies in a Basic First-Trimester Screening Program for Aneuploidy
       Bryann Bromley, Thomas Shipp, Jennifer Lyons, Reshma Navathe, Yvette Groszmann, Beryl Benacerraf*

11:50 AM–11:57 AM
1508165  Maternal Serum $\alpha$-Fetoprotein Does Not Improve the Detection Rate for Neural Tube Defects in Patients Who Receive First- and Early Second-Trimester Ultrasound for a Fetal Anatomic Survey
       Ashley Roman,* Simi Gupta, Nathan Fox, Daniel Saltzman, Chad Klauser, Andrei Rebarber

11:57 AM–12:04 PM
1541097  Novel Insights Into Early Embryonic Demise via 3-Dimensional Surface-Rendered Imaging in 107 Cases
       David Hartge, Andreas Schroer, Jan Weichert*

12:04 PM–12:11 PM
1536871  Prenatal Sonographic Predictors of Surgery-Treated Ureteropelvic Junction Obstruction: Which Is the Best Predictor?
       Hadar Mudrik-Zohar,* Israel Meizner, Zvi Bar-Sever, David Ben-Meir, Miriam Davidovits

12:11 PM–12:18 PM
1540842  Prenatal Diagnosis and Neonatal Outcomes in Nonimmune Hydrops: A Comparison of 2 Decades at an Academic Center
       Padmalatha Gurram,* Peter Benn, Naveed Hussain, Christine Crawford, Kisti Fuller, Ann Marie Prabulos, Winston Campbell

12:18 PM–12:25 PM
1528272  Qualitative Performance of Fetal Magnetic Resonance Imaging Compared to Ultrasound in Cases of Multiple Fetal Anomalies
       Christina Herrera,* Amber Samuel, Sherelle Laifer-Narin, Lynn Simpson, Russell Miller
New Investigator Award Session

Earn up to 1.5 CME credits.

Marquis Ballroom A/B • Ninth Floor

Moderators: Arthur Fleischer, MD, Elisa Konofagou, PhD

11:00 AM–11:07 AM
1434714 Longitudinal Analysis of Grayscale Imaging and Electromyography in an Animal Model of Carpal Tunnel Syndrome
   Shawn Roll,* Kevin Evans, Kevin Volz, Carolyn Sommerichl

11:07 AM–11:14 AM
1526604 Risk Reduction of Brain Infarction During Carotid Endarterectomy or Stenting Using Sonolysis: Prospective Randomized Study Pilot Data
   Martin Kuliha,* David Školoudík, Eva Hurtíková, Martin Roupec, Andrea Goldirová, Roman Herzig, Václav Procházka, Tomáš Jonsza, Dan Czerny, Jan Krajča, David Otáhal, Tomáš Hrbáč

11:14 AM–11:21 AM
1536178 Measured Single-Bubble Postexcitation Collapse Thresholds for Standard and Size-Altered Ultrasound Contrast Agents
   Daniel King,* William O’Brien Jr

11:21 AM–11:28 AM
1538841 Computer-Assisted Detection of Proximal Arterial Stenosis on Doppler Ultrasound
   John Millet,* Gowthaman Gunabushanam, Erik Stilp, Forrest Crawford, Robert McNamara, Leslie Scoutt

11:28 AM–11:35 AM
1536020 Contrast Ultrasound Imaging of the Aorta Does Not Affect Progression of Atherosclerosis in ApoE−/− Mice
11:35 AM–11:42 AM  
1540161  
**Heterogeneity Assessment of Tumor Perfusion Using High-resolution Dynamic Contrast-Enhanced Ultrasound and Dynamic Contrast-Enhanced Magnetic Resonance Imaging**  
Song-Ee Baek,* Patrick Pan, Ergys Subashi, Cäcilia Reiner, Daniele Marin, Allan Johnson, Rendon Nelson

11:42 AM–11:49 AM  
1541104  
**Subharmonic Imaging of Angiogenesis in a Murine Breast Cancer Model**  
Andrew Marshall,* Valgerdur Halldorsdottir, Jaydev Dave, Anya Forsberg, Manasi Dahibawkar, Traci Fox, Ji-Bin Liu, Xiangdong Hu, Yu He, Flemming Forsberg

11:49 AM–11:56 AM  
1539281  
**A Sequential Stepwise Algorithm Helps Improve Detection of Fetal Venous Anomalies**  
Elena Sinkovskaya,* Anna Klassen, Sharon Horton, Alfred Abuhamad

11:56 AM–12:03 PM  
1539534  
**Assessment of Longitudinal Myocardial Function of the Right Ventricle in Fetuses With Agenesis of the Ductus Venosus Using Tissue Doppler Imaging**  
Anna Klassen,* Elena Sinkovskaya, Sharon Horton, Alfred Abuhamad

12:03 PM–12:10 PM  
1541422  
**Does Early Second-Trimester Ultrasound Predict Obstetric and Neonatal Outcomes in Monochorionic Diamniotic Twin Pregnancies?**  

12:10 PM–12:17 PM  
1525459  
**Prenatal Visualization of the Pituitary Gland Using 2- and 3-Dimensional Ultrasound Imaging**  
Eldad Katorza,* Jean-Philippe Bault, Yinon Gilboa, Yoav Yinon, Reuven Achiron
11:00 AM–12:30 PM
Film Panel Session

Missed Cases: General and Abdominal
Earn up to 1.5 CME credits.
Astor Ballroom • Seventh Floor
Moderator: Mark Lockhart, MD, MPH
Panelists: Vikram Dogra, MD, Mark Lockhart, MD, MPH, Kathryn Robinson, MD
This session is designed to help others diagnose cases previously missed by the presenters. An audience response system will be used to select which diagnosis is believed to be correct.

11:00 AM–12:30 PM
Special Interest Session

T2 Hands-on How to Do the Biopsy
Earn up to 1.5 CME credits.
Empire Complex • Seventh Floor
Moderator: Dean Nakamoto, MD
Hands-on Scanning: Nami Azar, MD, Wui Chong, MD, Corinne Deurdulian, MD, Vikram Dogra, MD, Dean Nakamoto, MD, Raj Mohan Paspulati, MD, Deborah Rubens, MD, Amy Rutledge, RDMS
After attending this session, participants will be able to describe prebiopsy preparations, use and have hands-on experience with the techniques of doing biopsies of soft tissue masses, thyroid nodules, breast masses, the liver, and kidneys, and recognize and manage complications. Preregistration required.

11:30 AM–12:30 PM
Community Meeting
Earn up to 1 CME credit each.
Neurosonology Community
Majestic Complex • Sixth Floor
12:30 PM–1:30 PM
Lunch in the Exhibit Hall
Westside Ballroom • Fifth Floor

12:30 PM–1:30 PM
Community Meetings
Earn up to 1 CME credit each.

CEUS  Contrast-Enhanced Ultrasound Community
Marquis Ballroom C • Ninth Floor

GYN  Gynecologic Ultrasound Community
Broadway Ballroom South • Sixth Floor

1:00 PM–3:00 PM
Three- and Four-Dimensional Volume Data Set Manipulation: Obstetrics
Earn up to 2 CME credits.

GE Healthcare Faculty: Lori Crites, RN, RDMS, Julia Solomon, MD
Soho/Herald • Seventh Floor

Philips Healthcare Faculty: Delores Pretorius, MD, Linda Sheets, BS, RT, RDMS, RDCS, RVT, Nga Tran, RDMS, Katherine White, RDMS
Gramercy/Olmstead • Seventh Floor

This session will be used to introduce laptop-based handling of 3-dimensional (3D) software and provide guided assistance to improve 3D ultrasound-based diagnostic skills. Preregistration required.

Pelvic Ultrasound: Solving Gynecologic Problems With Imaging
November 1–2, 2013
Hilton Orlando Bonnet Creek
Orlando, Florida

www.aium.org
1:30 PM–3:30 PM

Special Interest Sessions

Before and After: Case Presentations, Surgical Findings, and Clinical Outcomes

Earn up to 2 CME credits.

Broadway Ballroom North • Sixth Floor

Moderator: James Shwayder, MD, JD

This session will describe clinical scenarios common in our practice, show ultrasound images, and discuss planning for the operating room, intraoperative findings, and final clinical outcomes.

1:30 PM–2:30 PM  Ectopic Pregnancy: Ultrasound Pearls and Diagnostic Conundrums
William Brown, III, MD

2:30 PM–3:15 PM  Ultrasound as a guide to Hysterectomy and Myomectomy
Khaled Sakhel, MD

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

T3 Hands-on Scanning: Peripheral Nerves of the Upper Extremity

Earn up to 2 CME credits.

Empire Complex • Seventh Floor

Moderator: Kenneth Lee, MD

Hands-on Scanning Faculty: J. Anthony Bouffard, MD, Nathalie Bureau, MD, Joseph Craig, MD, David Fessell, MD, Gandikota Girish, MD, Viviane Khoury, MD, Kenneth Lee, MD, Suzanne Long, MD, Robert Lopez, MD, William Medford, RDMS, Humberto Rosas, MD, Corrie Yablon, MD

After attending this session, participants will have gained hands-on experience in scanning the peripheral nerves of the upper extremity. Preregistration required.
Live Fetal Cardiac Scanning by the Experts
Earn up to 2 CME credits.

**Astor Ballroom • Seventh Floor**

*Moderator: Lami Yeo, MD*

This session will show experts in the field performing live fetal cardiac imaging in the following settings: basic fetal cardiac screening, detailed fetal echocardiography, and early fetal cardiac imaging.

**1:30 PM–2:30 PM Two-Dimensional Scanning**
*Alfred Abuhamad, MD, Mark Sklansky, MD, Lynn Simpson, MD, MSc*

**2:30 PM–3:30 PM Three-/Four-Dimensional Scanning**
*Lami Yeo, MD, Greggory DeVore, MD, Wesley Lee, MD*

Microbubbles and Drug/Gene Delivery
Earn up to 2 CME credits.

**Broadway Ballroom South • Sixth Floor**

*Moderators: Christy Holland, PhD, Kai Thomenius, PhD*

In this session, participants will be exposed to the basic concepts of drug/gene delivery by this novel method, learn the role of the acoustic field and microbubbles in establishing its efficacy, and recognize the potential of the method.

**1:30 PM–2:10 PM Improving Sonoporation Delivery and Gene Transfection by Controlling Ultrasound Excitation of Microbubbles**
*Cheri Deng, PhD*

**2:10 PM–2:50 PM Microbubbles and Gene/Drug Delivery: Future Therapeutic Applications of Contrast-Enhanced Ultrasound Imaging**
*Steven Feinstein, MD*

**2:50 PM–3:30 PM Targeted Thrombolysis With Ultrasound and Microbubbles**
*Thomas Porter, MD*

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*#AIUM13*

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New Horizons in Critical Care Ultrasound
Earn up to 2 CME credits.

**Manhattan Ballroom • Eighth Floor**

**Moderator: Paul Mayo, MD**

After attending this session, the participant should be able to discuss recent advances in the use of point-of-care sonography in the management of critically ill patients. This will include the use of transthoracic echocardiography in the setting of cardiac arrest and thoracic sonography as a tool for intravascular volume assessment.

1:30 PM–2:00 PM Adding Ultrasound to a Critical Care Training Program
   *Robert Arntfield, MD*

2:00 PM–2:30 PM Transesophageal Echocardiography
   *Michael Blaivas, MD*

2:30 PM–3:00 PM Holistic Ultrasound: Examples of the BLUE and FALLS Protocols
   *Daniel Lichtenstein, MD*

3:00 PM–3:30 PM Panel Discussion
   *Paul Mayo, MD*

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Perinatal Malformations of the Head, Face, and Neck
Earn up to 2 CME credits.

**Marquis Ballroom A/B • Ninth Floor**

**Moderator: Eva Rubio, MD**

This session is designed to educate participants on the typical prenatal sonographic findings in malformations of the head, face, and neck and to show postnatal correlative imaging.

1:30 PM–2:00 PM Head
   *Beth Kline-Fath, MD*

2:00 PM–2:30 PM Calvarium
   *Eva Rubio, MD*

2:30 PM–3:00 PM Face
   *Judy Estroff, MD*

3:00 PM–3:30 PM Neck
   *Eva Rubio, MD*
Transplant Imaging
Earn up to 2 CME credits.

Marquis Ballroom C

Moderator: Susan Ackerman, MD

In this session, participants will learn how ultrasound is an important modality to use in evaluating liver, renal, and pancreatic transplants. Normal findings will be discussed as well as abnormal findings and additional imaging if necessary.

1:30 PM–2:00 PM  
Sonographic Evaluation of Liver Transplants  
Susan Ackerman, MD

2:00 PM–2:30 PM  
Sonography of Renal Transplants  
Seerat Aziz, MD

2:30 PM–3:00 PM  
Sonography of Pancreas Transplants  
Edward Bluth, MD

3:00 PM–3:30 PM  
Questions and Answers

1:30 PM–3:30 PM

Accreditation “Getting Started” Workshop

Earn up to 2 CME credits.

Shubert Complex • Sixth Floor

Speaker: Therese Cooper, BS, RDMS

This workshop is led by the AIUM’s director of accreditation, who explains the accreditation process, requirements, and how to complete the application and select case studies. The AIUM offers practice accreditation in the following areas: abdominal/general ultrasound, breast ultrasound, fetal echocardiography, gynecologic ultrasound, musculoskeletal ultrasound, obstetric or trimester-specific obstetric ultrasound, thyroid/parathyroid ultrasound, and urologic ultrasound. Demonstrate that your practice meets the quality assurance requirements of a growing number of insurance companies with AIUM practice accreditation.

AIUM Accreditation Booth

Learn more about AIUM ultrasound practice accreditation at the Accreditation Booth in the Fifth Floor Foyer. Accreditation staff are available to answer your questions.
Convention | Tuesday, April 9

3:30 PM–4:00 PM
Refreshment Break in the Exhibit Hall
Westside Ballroom • Fifth Floor

3:30 PM–5:30 PM
Three- and Four-Dimensional Volume Data Set Manipulation: Fetal Echocardiography
Earn up to 2 CME credits.
GE Healthcare Faculty: Greggory DeVore, MD, Cheryl Vance, MA, RT, RDMS, RVT
Soho/Herald • Seventh Floor
Philips Healthcare Faculty: Leeber Cohen, MD, Linda Sheets, BS, RT, RDMS, RDCS, RVT
Gramercy/Olmstead • Seventh Floor
This session will be used to introduce laptop-based handling of 3-dimensional (3D) software and provide guided assistance to improve 3D ultrasound-based diagnostic skills. Preregistration required.

4:00 PM–5:00 PM
Committee Meeting
Sound Judgment Committee
Brecht • Fourth Floor

Ultrasound First is an endeavor devoted to education and increasing awareness of the effectiveness of ultrasound in enhancing patient care.

www.ultrasoundfirst.org
4:00 PM–5:30 PM
Special Interest Sessions

**Abdominal and Lower Extremity Arterial Imaging: Pitfalls and Misdiagnoses**

Earn up to 1.5 CME credits.

**Manhattan Ballroom • Eighth Floor**

*Moderator: Jennifer McDowell, MM, RDMS, RT, RVT*

This session will review case studies in abdominal and lower extremity vascular imaging and demonstrate examples of technical pitfalls, artifacts, and misdiagnoses to learn how to prevent them.

- **4:00 PM–4:45 PM** Abdominal Arterial Mesenteric Imaging
  *Ulrike Hamper, MD*

- **4:45 PM–5:00 PM** Lower Extremity Venous Examination
  *Joshua Cruz, RDMS, RVT*

**T4 Hands-on Ultrasound-Guided Vascular Access**

Earn up to 1.5 CME credits.

**Empire Complex • Seventh Floor**

*Moderator: Jason Nomura, MD, RDMS*

*Hands-on Scanning: Alex Arroyo, MD, Nami Azar, MD, Penelope Chun-Lema, MD, Rajesh Geria, MD, RDMS, Gowthaman Gunabushanam, MD, Lawrence Haines, MD, MPH, RDMS, Resa Lewiss, MD, RDMS, Hamid Mojibian, MD, Christopher Moore, MD, RDMS, RDCS, Dean Nakamoto, MD, Jason Nomura, MD, RDMS, Paul Rochon, MD, Michael Stone, MD, RDMS*

In this session, participants will be given a short didactic lecture on patient preparation, sterile technique, and basics of ultrasound-guided vascular access and fluid aspiration. This will be immediately followed by hands-on practice and interactions at various stations with expert faculty to learn and improve on techniques. *Preregistration required.*
4:00 PM–5:30 PM

Film Panel Session

Use of Gynecologic Ultrasound in General Practice

Earn up to 1.5 CME credits.

Astor Ballroom • Seventh Floor
Moderator: Peter Doubilet, MD, PhD
Panelists: Mary Frates, MD, Mindy Horrow, MD, Khaled Sakhel, MD, James Shwayder, MD, JD

The objectives of this session are to show many ultrasound images of varying clinical situations that a generalist obstetrician/gynecologist would have seen in the office and to discuss how to use ultrasound to better care for the patient.

4:00 PM–5:30 PM

Scientific Sessions

Learn about the latest research in ultrasound in concise oral presentations.
* indicates presenter.

Basic Science: Tissue Characterization, Part 2

Earn up to 1.5 CME credits.

Marquis Ballroom C • Ninth Floor
Moderators: James Miller, PhD, Michael Oleze, PhD

4:00 PM–4:10 PM
1540933 Three-Dimensional In Vivo Prostate Shear Wave Elasticity Image Reconstruction
Stephen Rosenzweig,* Mark Palmeri, Samantha Lipman, Ned Rouze, Evan Kulbacki, John Madden, Thomas Polascik, Kathryn Nightingale

4:10 PM–4:20 PM
1511996 Hashimoto’s Thyroiditis Tissue Characterization and Pixel Classification Using Ultrasound
Agnieszka Witkowska, U. Rajendra Acharya, Ratna Yantri, Filippo Molinari, Witold Zieleznik, Justyna Tumidajewicz, Beata Stepień, Ricardo Bardales, Jasjit Suri*
4:20 PM–4:30 PM
1543325 Novel Quantitative Conventional-Frequency Detection of Cell Death In Vivo With Neoadjuvant Chemotherapy for Locally Advanced Breast Cancer
Gregory Czarnota,* Ali Sadeghi-Naini, Omar Falou, Sara Iradji, William Tran, Michael Kolios

4:30 PM–4:40 PM
1540914 Nonlinear Modeling of the Canine Liver With Increasing Hepatic Pressure
Veronica Rotemberg,* Brett Byram, Mark Palmeri, Michael Wang, Kathryn Nightingale

4:40 PM–4:50 PM
1514461 UroImage: A Prostate Tissue Characterization/Classification System Using Grayscale Features
Gyan Pareek, Rajendra Acharya, Swapna Goutham, Vinitha Sree, Ratna Yantr, Roshanm Martis, Luca Saba, Ganapathy Krishnamurthi, Giorgio Mallarini, Ayman El-Baz, Shadi Al Ekish, Michael Beland, Jasjit Suri*

4:50 PM–5:00 PM
1540270 Quantitative Ultrasound as an Aid to Differentiate Benign From Malignant Breast Masses
Haidy Nasief,* Ivan Rosado-Mendez, James Zagzebski, Timothy Hall

5:00 PM–5:10 PM
1536102 Stochastic Hidden Markov Model–Based Filtering Algorithm for Tracking Shear Waves Through Disparate Media in Electrode Vibration Elastography
Atul Ingle,* Tomy Varghese

5:10 PM–5:20 PM
1540426 Viscoelastic Strain Response Ultrasound Assessment of Serial Changes in the Viscoelastic Property and Composition of Human Dystrophic Muscle In Vivo
Mallory Scola, Melissa Caughey, Diane Meyer, Regina Emmitt, James Howard, Manisha Chopra, Caterina Gallippi*

5:20 PM–5:30 PM
1506729 Prostate Cancer Ultrasound–Magnetic Resonance Imaging Fusion Cybernetic Biopsies
Robert Bard
Convention | Tuesday, April 9

**Education and Training**

Earn up to 1.5 CME credits.

Shubert Complex • Sixth Floor

Moderator: James Pennington, RDMS

4:00 PM–4:15 PM
Luminary Speaker: James Pennington, RDMS

4:15 PM–4:22 PM
1540985 Enhancing Ultrasound Education Through Volunteer Participation in Cardiac Screening
  Mason Shieh,* Suzanne Klaus, Carter English, Stacy Hata, Bassil Aish, Uthara Mohan, J. Christian Fox

4:22 PM–4:29 PM
1536499 State of Ultrasound Education: A National Survey of Medical Schools
  David Bahner,* Nelson Royall, David Way, Claudia Ranninger, Ellen Goldman, Yiju Liu

4:29 PM–4:36 PM
1443469 Role of Spatial Ability as a Possible Ability Determinant in Skill Acquisition for Sonographic Scanning
  Douglas Clem,* Brad Curs, Joe Donaldson, Sharlette Anderson, Moses Hdeib

4:36 PM–4:43 PM
1539296 Daily Ultrasound Image Review Provides No Benefit Over Weekly Review for Physicians Learning Point-of-Care Ultrasound
  Romolo Gaspari

4:43 PM–4:50 PM
1538080 Implementation and Assessment of a Formal Curriculum for Bedside Ultrasound Training
  Elizabeth Turner,* Angela Allen, J. Christian Fox, Mark Rosen, Craig Anderson

4:50 PM–4:57 PM
1428470 Ultrasound Knowledge and Image Interpretation Gains by Students on Emergency Medicine Rotation
  Uche Blackstock,* Jaclyn Munson, Nina Yeboah, Demian Szyld

4:57 PM–5:04 PM
1540627 Enhancing Third-Year Medical Student Primary Care Clerkships With Handheld Ultrasound
  Mary Elizabeth Poston, Duncan Howe, Victor Rao, Richard Hoppmann, Chung Yoon*
5:04 PM–5:11 PM
1541489  Cloud Documentation and iPad Telesonography From a Teaching Hospital in the Andes: A Culturally Competent Model for Obstetric Ultrasound Education, Quality Assurance, and Practice Improvement in Remote Ecuador
  John Rodney,* Erin Dooley, John Simmons, Matthew Horning, Kelly Arnold, William Rodney

G&A  General and Abdominal Ultrasound

General and Abdominal Ultrasound
Earn up to 1.5 CME credits.
Broadway Ballroom South • Sixth Floor
Moderator: Abid Irshad, MD

4:00 PM–4:15 PM
Luminary Speaker: Abid Irshad, MD

4:15 PM–4:22 PM
1536712  European Federation of Societies for Ultrasound in Medicine and Biology Guidelines on the Clinical Use of Elastography
  David Cosgrove,* Christoph Dietrich, Fabio Piscaglia

4:22 PM–4:29 PM
1540689  Implementation of Bedside Ultrasonography Within an Internal Medicine Faculty and Residency: The IMBUS Program
  David Tierney,* Terry Rosborough

4:29 PM–4:36 PM
1506540  Prostate Cancer Responses to Testosterone and Growth Hormone
  Robert Bard

4:36 PM–4:43 PM
1540891  Liver Sonography Is Predictive of Liver Steatosis; However, the Severity of Fatty Liver on Sonography Does Not Correlate With the Presence of Steatohepatitis
  Roberta diFlorio,* Robert Harris, David Kim, Eric Goodman, Alex Spinosa, Megan Murphy

4:43 PM–4:50 PM
1537502  Shear Wave Velocity Discrimination of Inflamed Fibrotic Bowel Segments in a Crohn’s Disease Animal Model
  Jonathan Dillman, Ryan Stidham, Peter Higgins, David Moons, Laura Johnson, Jonathan Rubin*

4:50 PM–4:57 PM
1540986  Volumetric Blood Flow Assessment in Transjugular Intrahepatic Portosystemic Shunt Revision Using 3-Dimensional Ultrasound
  Stephen Pinter,* Jonathan Rubin, Oliver Kripfgans, Paula Novelli, Mario Vargas-Vila, Anne Hall, J. Brian Fowlkes
4:57 PM–5:04 PM
1541365 Implementation of a Competency-Based Online Curriculum to Train Medical Students and Primary Care Residents and Physicians in Point-of-Care Ultrasound
Nicholas Cohen,* Justin Lappen, Honor Wolfe, Kimberly Gecsi, Ashish Bhimani

5:04 PM–5:11 PM
1541515 Quantification of Renal Perfusion With Dynamic Power Doppler Ultrasonography in Allograft Kidneys
Shuo-Meng Wang,* Jeou-Jong Shyu, Nai-Kung Chou, Hao-Chih Tai, Sun-Hua Pao, Yio-Wha Shau

5:11 PM–5:18 PM
1538512 Renal Perfusion Change of Dehydration Examined With Dynamic Power Doppler Ultrasonography in a Canine Model

5:18 PM–5:25 PM
1516829 Upper Body Quadrant Pain in Sonographers
Frank Claes,* Jan Berger, Gaetane Stassijns

**Obstetric Ultrasound: General and Fetal Growth**

Earn up to 1.5 CME credits.

**Broadway Ballroom North • Sixth Floor**
Moderators: Wesley Lee, MD, Mani Montazemi, RDMS

4:00 PM–4:15 PM
Luminary Speaker: Wesley Lee, MD

4:15 PM–4:22 PM
1539437 Fetal Loss Rate and Associated Risk Factors After Amniocentesis, Chorionic Villus Sampling, and Fetal Blood Sampling
Christian Enzensberger,* Christina Pulvermacher, Jan Degenhardt, Andreaa Kawecki, Ute Germer, Ulrich Gembruch, Martin Krapp, Jan Weichert, Roland Axt-Fliedner

4:22 PM–4:29 PM
1537806 Quality Control in Obstetric Ultrasound: Evaluating the Reproducibility of an Image Scoring Tool for the Second-Trimester Anatomic Survey
Katherine Goetzinger,* Methodius Tuuli, Alison Cahill, George Macones, Anthony Odibo
108

Convention | Tuesday, April 9

4:29 PM–4:36 PM
1540992 Time Required for the Fetal Anatomic Survey in Obese and Morbidly Obese Women
Robert Ehsanipoor,* Gofran Tarabulsi, Shannon Trebes, Erika Werner, Janice Henderson, Jude Crino

4:36 PM–4:43 PM
1539702 Association of Third-Trimester Abdominal Circumference With Provider-Initiated Preterm Delivery
Leah Hawkins,* William Schnettler, Anna Modest, Michele Hacker, Diana Rodriguez

4:43 PM–4:50 PM
1508162 Incidence and Timing of Onset of Intrauterine Growth Restriction in Singleton Pregnancies With Low Pregnancy-Associated Plasma Protein A, Elevated Maternal Serum α-Fetoprotein, or Both Biochemical Abnormalities
Simi Gupta,* Nathan Fox, Andrei Rebarber, Daniel Saltzman, Chad Klauser, Ashley Roman

4:50 PM–4:57 PM
1540608 Prenatal Ultrasound and Ethanol Biomarkers for Early Identification of Prenatal Alcohol Exposure
Brennan Mathew, Steffen Brown,* Mahek Garg, Daniel Savage, William Rayburn, Ludmila Bakhireva

4:57 PM–5:04 PM
1521317 Effect of Maternal Body Mass Index on Fetal Growth: Use of Individualized Growth Assessment and 2-Level Modeling
Timothy Canavan,* Russell Deter

5:04 PM–5:11 PM
1541336 Cerebral Autoregulation in Normal Pregnancy
Teelkien van Veen,* Sina Haeri, Rodrigo Ruano, Ronny Panerai, Gerda Zeeman, Michael Belfort

5:11 PM–5:18 PM
1539866 Do Clinical Practitioners Seeking Credentialing for Nuchal Translucency Measurement Have an Understanding of Biosafety? The Experience of The Nuchal Translucency Quality Review Program
Bryann Bromley, Karin Fuchs, Loralei Thornburg, Jean Spitz,* Gregory Toland

5:18 PM–5:25 PM
1537546 Early Second-Trimester Fetal Anatomy Scans Improve the Rate of Complete Anatomy Scans in Obese Patients
Simi Gupta,* Judith Chervenak, Ilan Timor, Ana Monteagudo
If You Don’t Tell Us, How Will We Know?

Complete Your Evaluation Form!

An e-mail will be sent to you to complete the convention evaluation.

This is your chance to tell us what you think about the sessions you attended and the programs you want in the future. Your opinion is important; our planning committee reads each evaluation! 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.
AIUM CME Opportunities

2013 Postgraduate Courses

7th Annual
Hands-on Diagnostic and Interventional Musculoskeletal Ultrasound: A Problem-Solving Approach
June 27–29, 2013 • Mayo Clinic • Rochester, Minnesota | Jay Smith, MD, Course Chair
Earn up to 24.5 AMA PRA Category 1 Credits™ (accepted by the ARDMS) or ARRT Category A Credits
SOLD OUT

Pelvic Ultrasound: Solving Gynecologic Problems With Imaging
November 1–2, 2013 • Hilton Orlando Bonnet Creek Hotel • Orlando, Florida | Beryl Benacerraf, MD, Course Director
Registration is now open.

Ultrasound for the Emergent and Critically Ill Pediatric Patient
November 1–2, 2013 • Hilton Orlando Bonnet Creek Hotel • Orlando, Florida | Alyssa Abo, MD, Course Director
Registration opens in late spring.

2014 AIUM Annual Convention
March 29–April 2, 2014 • Caesars Palace • Las Vegas, Nevada

CME DVD Programs
DVD programs offering CME credit are available on a variety of ultrasound topics.
For more information, or to purchase any of these programs, visit the online store at www.aium.org.

Journal of Ultrasound in Medicine CME Tests
AIUM members receive FREE online submission of CME self-study tests from current and archived issues of the journal—access up to 84 CME tests worth up to 1 CME credit each!

Webinars
Archived and upcoming webinars on a variety of medical ultrasound topics are available online with FREE CME credit available to AIUM members.

Subject to change.

Visit www.aium.org for more information.
Wednesday, April 10
Convention

Schedule at a Glance

6:30 AM–12:30 PM  Registration Open
7:00 AM–8:00 AM  Community Meeting Breakfast (by invitation only)
                 Just Images and Comprehensive Refresher Sessions
8:00 AM–12:30 PM  E-Posters Open for Viewing
8:15 AM–10:15 AM  Executive Committee Meeting
                 Special Interest Sessions
10:15 AM–10:45 AM  Refreshment Break in the AIUM Resource Center
                 AIUM Business Meeting
10:45 AM–12:30 PM  Special Interest Sessions
                 Scientific Sessions
11:00 AM–12:30 PM  Executive Committee Meeting
12:30 PM–3:30 PM  Board of Governors Meeting
Ultrasound First is an endeavor devoted to education and increasing awareness of the effectiveness of ultrasound in enhancing patient care.

**Safe**
Ultrasound emits NO ionizing radiation. It may be all you need.

**Effective**
Ultrasound has comparable or superior diagnostic capability in a growing number of imaging scenarios making it the smart diagnostic choice.

**Affordable**
Ultrasound is an inexpensive and portable tool that can provide faster diagnosis. Image more for less.

It’s time to think ultrasound for all the right reasons.

Visit [www.ultrasoundfirst.org](http://www.ultrasoundfirst.org) to learn how you can get involved and support the Ultrasound First mission.

Organized by aium
Convention | Wednesday, April 10

7:00 AM–8:00 AM
Committee Meeting
Community Meeting Breakfast
Cantor/Jolson • Ninth Floor
(by invitation only)

7:00 AM–8:00 AM
Just Images and Comprehensive and Refresher Sessions

Clinical Applications of Ultrasound Contrast, Part 2: Novel Applications
Earn up to 1 CME credit.
Marquis Ballroom A/B • Ninth Floor
Moderator: Paul Sidhu, BSc
After attending this session, participants will understand the clinical applications of contrast-enhanced ultrasound.

7:00 AM–7:20 AM Contrast Imaging of the Scrotum
Paul Sidhu, BSc

7:20 AM–7:40 AM Contrast Ultrasound of the Rotator Cuff and Tendon Injury
Ronald Adler, MD, PhD

7:40 AM–7:55 AM Contrast Imaging of Endovascular Aneurysm Repair
Dean Huang, BMedSci, MRCPCH, FRCR, EBIR

7:55 AM–8:00 AM Questions and Answers

Point-of-Care Ultrasonography in the Management of the Hypotensive Patient
Earn up to 1 CME credit.
Astor Ballroom • Seventh Floor
Moderator: Eitan Dickman, MD, RDMS
Panelists: Michael Blaivas, MD, Eitan Dickman, MD, RDMS, Paul Sierzenski, MD, RDMS
After attending this session, participants should be able to evaluate patients for the presence of an abdominal aortic aneurysm, perform a general assessment of a patient’s ejection fraction, and discuss the evidence for using views of the inferior vena cava in assessing the volume status.

7:00 AM–7:20 AM Rapid Cardiac Ultrasound in the Evaluation of the Hypotensive patient
Michael Blaivas, MD

7:20 AM–7:40 AM The Evidence-Based Medicine of Ultrasound Protocols for the Hypotensive Patient
Paul Sierzenski, MD, RDMS

7:40 AM–8:00 AM Panel Discussion
Project Ultrasound: Professional Clarity for the Advanced Ultrasound Professional

Earn up to 1 CME credit.

Soho Complex • Seventh Floor

Moderator: James Pennington, RDMS

The nonphysician ultrasound professional is a growing and evolving job description. To date, there has been no improvement or levels of advancement by the US Department of Labor or human resource departments across the country. This session will demonstrate the new and higher level of professionalism in the field.

7:00 AM–7:30 AM They Talk to Patients. . . But Can They Scan? Professional Observations and Assessment of Attending Physicians Who Diagnose Ultrasound Examinations

James Pennington, RDMS

7:30 AM–8:00 AM Legal and Moral Obligations for the Sonographer Sharing Information During Obstetric/Gynecologic Ultrasound

David Jackson, MD, RDMS

Real or Not? Artifacts in the Abdomen

Earn up to 1 CME credit.

Broadway Ballroom North • Sixth Floor

Moderator: Mark Kliewer, MD

This session will have a basic physics lecture with imaging to describe artifacts noted on ultrasound exams. Then cases of different types of artifacts will be presented.

7:00 AM–7:20 AM Physics of Artifacts in Ultrasound

Mark Kliewer, MD

7:20 AM–7:40 AM Artifacts in the Abdomen

Salvatore LaRusso, Med, RDMS, RT(R)

7:40 AM–8:00 AM Ultrasound Artifacts: Grayscale and Doppler

William Middleton, MD

AIUM Accreditation Booth

Learn more about AIUM ultrasound practice accreditation at the Accreditation Booth in the Fifth Floor Foyer. Accreditation staff are available to answer your questions.
Three- and Four-Dimensional Obstetric Ultrasound

Earn up to 1 CME credit.

Broadway Ballroom South • Sixth Floor

Speaker: Liat Gindes, MD

After attending this session, participants should be able to discuss the use of 3- and 4-dimensional technology in obstetric ultrasound.

Two-Dimensional Arrays and 3-Dimensional Ultrasound

Earn up to 1 CME credit.

Manhattan Ballroom • Eighth Floor

Moderators: J. Brian Fowlkes, PhD, Chandra Sehgal, PhD

This session will review the technology of 2-dimensional (2D) arrays and their use for 3D/4D imaging. The emphasis will be on research with the goal of identifying novel areas of clinical application.

- 7:00 AM–7:15 AM Two-Dimensional Array Transducers for Real-time 3-Dimensional Imaging
  Douglas Wildes, PhD

- 7:15 AM–7:30 AM Real 3-Dimensional Imaging With 2-Dimensional Capacitive Microarray Ultrasound Transducer Arrays
  Butrus Khuri-Yakub, PhD

- 7:30 AM–7:45 AM Use of 3-Dimensional Ultrasound in Image-Guided Interventions
  Aaron Fenster, PhD

- 7:45 AM–8:00 AM Three-Dimensional Ultrasound in the Gynecology Clinic: Making Computed Tomography and Magnetic Resonance Imaging Unnecessary
  Beryl Benacerraf, MD

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Ultrasound in the Evaluation of the Child With Acute Abdominal Pain

Earn up to 1 CME credit.

Marquis Ballroom C • Ninth Floor

Moderator: Leann Linam, MD

This session is designed to show multiple cases of appendicitis and common pediatric bowel and pelvic disorders and discuss what information is gained and whether it is diagnostic for surgery or requires further evaluation/observation.

7:00 AM–7:20 AM  Appendicitis
-Leann Linam, MD

7:20 AM–7:40 AM  Intussusception/Inflammation
-Martha Munden, MD

7:40 AM–8:00 AM  Hypertrophic Pyloric Stenosis
-Steven Kraus, MD

8:15 AM–10:15 AM  Committee Meeting

Executive Committee
Barrymore • Ninth Floor
8:15 AM–10:15 AM
Special Interest Sessions

Breast Ultrasound
Earn up to 2 CME credits.
*Astor Ballroom • Seventh Floor*
*Moderator: Abid Irshad, MD*

After attending this session, participants should be able to recognize new trends in breast ultrasound.

- **8:15 AM–8:45 AM** Clinical Breast Ultrasound in an Outpatient Community Breast Center
  *Stamatia Destounis, MD*
- **8:45 AM–9:15 AM** Significance and Implications of Various Sonographic Features in Breast Lesions
  *Abid Irshad, MD*
- **9:15 AM–9:45 AM** Ultrasound as a Problem-Solving Tool in Breast Imaging
  *Julie Mack, MD*
- **9:45 AM–10:15 AM** Pediatric Breast Ultrasound
  *Avice O’Connell, MD*

Extracranial Ultrasound of the Head and Neck in Children
Earn up to 2 CME credits.
*Marquis Ballroom C • Ninth Floor*
*Moderator: Beth McCarville, MD*

This session is designed to educate the radiologist and sonographer about the value of ultrasound in assessing non-brain pathology in the head and neck of children, including the thyroid, superficial masses, and ocular disease.

- **8:15 AM–8:55 AM** Thyroid Ultrasound in Children
  *Carol Barnewolt, MD*
- **8:55 AM–9:35 AM** Sonography of Ocular Disease in Children
  *Beth McCarville, MD*
- **9:35 AM–10:15 AM** Superficial Lumps and Bumps of the Pediatric Head and Neck
  *Henrietta Kotlus Rosenberg, MD*
Gynecologic Ultrasound: The Basics Revisited
Earn up to 2 CME credits.

Broadway Ballroom South • Sixth Floor
Moderator: Ana Monteagudo, MD

This session is designed for beginner sonographers and will cover how to do basic ultrasound examinations, optimizing images, basics of clinical dilemmas, masses, abnormal bleeding, and the use of ultrasound in general gynecology practice.

8:15 AM–9:15 AM Getting to Know Your Ultrasound Machine: Essentials of Knobology
Ana Monteagudo, MD

9:15 AM–10:15 AM Basic Gynecologic Sonography in 45 Minutes or Less
Jodi Lerner, MD

Innovative Directions in Fetal Cardiac Imaging
Earn up to 2 CME credits.

Broadway Ballroom North • Sixth Floor
Moderator: Lami Yeo, MD

The objective of this session is to review several new directions in the field of fetal cardiac imaging: imaging for fetal interventions, fetal magnetic resonance imaging, and automated screening for congenital heart disease.

8:15 AM–8:45 AM Advances in Analyzing Cardiac Structure and Function Using Fetal Echocardiography
Lami Yeo, MD

8:45 AM–9:15 AM Therapeutic Ultrasound
Achi Ludomirsky, MD

9:15 AM–9:45 AM Fetal Magnetic Resonance Imaging
Michael Seed, MD

9:45 AM–10:15 AM Fetal Transcatheter Interventions
Wayne Tworetsky, MD
Lumps, Bumps, and Extremity Pain in the Emergency Room: What Is the Role of Ultrasound?

Earn up to 2 CME credits.

Manhattan Ballroom • Eighth Floor

Moderator: Leslie Scoutt, MD

After attending this session, participants should be able to evaluate soft tissue lumps, localize foreign bodies, assess for hernias, and assess for tendon injury in the trauma patient.

8:15 AM–8:55 AM Sonography of Abdominal Wall Hernias
Levon Nazarian, MD

8:55 AM–9:35 AM Foreign Bodies
William Shiels, DO

9:35 AM–10:15 AM Lumps and Bumps
Jason Wagner, MD

Peripheral Arterial Disease

Earn up to 2 CME credits.

Marquis Ballroom A/B • Ninth Floor

Moderator: John Blebea, MD, MBA

This session will review the appropriate preinterventional evaluation of patients with peripheral arterial disease, including clinical, physiologic (peripheral vascular resistance, segmental pressures, treadmill stress testing, and transcutaneous oxygen tension), and duplex imaging.

8:20 AM–8:40 AM Physiologic Testing of the Patient With Lower Extremity Peripheral Arterial Disease
George Berdejo, BA, RVT

8:40 AM–9:00 AM Ultrasound in the Preintervention Stage of Patient Evaluation
Gowthaman Gunabushanam, MD

9:00 AM–9:20 AM Computed Tomographic Angiography/Magnetic Resonance Angiography: Do They Still Have a Role in Peripheral Arterial Disease Diagnosis?
Hamid Mojibian, MD

John Blebea, MD, MBA

9:40 AM–10:00 AM Postinterventional Monitoring: What Studies and How Often?
Anil Hingorani, MD
Ultrasound-Guided Thrombolysis

Earn up to 2 CME credits.

Soho Complex • Seventh Floor

Moderator: George Lewis Jr, PhD

The objective of this session is to review the current state of the art and translational pipeline of ultrasound for guiding and/or assisting in thrombolysis. Thrombolysis experts will describe the various approaches currently being used in the clinic for stroke, deep vein thrombosis, and pulmonary embolism. The session will include clinical research presentations (case studies and randomized controlled trials), a technology review (various approaches, ie, invasive, noninvasive, and regulatory-approved indications), and basic science and mechanisms behind using ultrasound in thrombolysis.

8:15 AM–8:45 AM
Medical Technology and Instrumentation for Sonothrombolysis: Current, Pipeline, and Future Platforms
George Lewis Jr., PhD

8:45 AM–9:15 AM
Sonothrombolysis: Techniques, Mechanisms, and Safety
Zhen Xu, PhD

9:15 AM–9:45 AM
Clinical Role and Potential of Ultrasound-Enhanced Thrombolysis in Peripheral Arterial Disease
Richard Shlansky-Goldberg, MD

9:45 AM–10:15 AM
Clinical Trials of Sonothrombolysis: An Update
Andrei Alexandrov, MD

10:15 AM–10:45 AM

Refreshment Break at the Resource Center

Fifth Floor Foyer

10:15 AM–10:45 AM
Committee Meeting

AIUM Business Meeting

Jolson • Ninth Floor
10:45 AM–12:30 PM
Special Interest Sessions

Acoustic Radiation Force Impulse Imaging: Benefits and Challenges With Increasing Acoustic Output Beyond Diagnostic Levels

Earn up to 1.75 CME credits.

Manhattan Ballroom • Eighth Floor

Moderators: Kathy Nightingale, PhD, Thomas Szabo, PhD

This session is designed to educate users and researchers about the acoustic output levels currently used in acoustic radiation force impulse imaging systems and to discuss the potential for clinical benefit, the potential for bioeffects, and the challenges in acoustic output characterization associated with increasing acoustic output levels beyond the current US Food and Drug Administration levels.

10:45 AM–10:50 AM Introduction
Kathy Nightingale, PhD

10:50 AM–11:12 AM Clinical Opportunities and Biological Rationales in the Era of Tissue Mechanical Imaging
Anthony Samir, MD

11:12 AM–11:34 AM The Historical Basis for the Food and Drug Administration’s Maximum Exposure Level Guidance for Diagnostic Ultrasound
Gerald Harris, PhD

11:34 AM–11:56 AM An Analysis of the Mechanical Index as a Means for Ensuring Patient Safety During Acoustic Radiation Force Impulse Imaging
Charles Church, PhD

11:56 AM–12:18 PM Investigation of the Use of Increased Acoustic Output Levels for Acoustic Radiation Force Impulse Imaging in the Research Setting
Mark Palmeri, MD, PhD

12:18 PM–12:30 PM Questions and Answers
Advanced Fetal Cardiac Evaluation and Comprehensive Overview

Earn up to 1.75 CME credits.

Broadway Ballroom North • Sixth Floor
Moderator: James Huhta, MD

The objective of this session is to review various aspects of detailed fetal echocardiography for those who have mastered the basics of fetal cardiac evaluation, covering the following specific topics: cardiac function, twin-twin transfusion syndrome, 3- and 4-dimensional fetal cardiac imaging, standard second-trimester fetal echocardiography, how to perform early fetal cardiac imaging, advantages and limitations of early fetal echocardiography, and the importance of color flow imaging.

10:45 AM–11:10 AM Three/Four-Dimensional Fetal Cardiac Imaging
Greggory DeVore, MD

11:10 AM–11:35 AM Cardiac Function
James Huhta, MD

11:35 AM–12:00 PM Twin-Twin Transfusion Syndrome
Jack Rychik, MD

12:00 PM–12:25 PM Arrhythmias
Norman Silverman, MD, DSc

12:25 AM–12:30 PM Questions and Answers

Current Vascular Controversies

Earn up to 1.75 CME credits.

Soho Complex • Seventh Floor
Moderator: John Blebea, MD, MBA

This session will examine the indications and follow-up duplex criteria for carotid stenting, review the indications, results, and imaging criteria for angioplasty and stenting of the renal arteries, and discuss the recommended protocols for deep vein thrombosis imaging in different clinical scenarios.

10:45 AM–11:05 AM Carotid Stenting: Presenting Status and Potential Future Role
Roy Fujitani, MD, RVT

11:05 AM–11:25 AM Doppler Criteria for Diagnosing Restenosis Following Carotid Stent Placement
Zsolt Garami, MD

11:25 AM–11:45 AM Role of Ultrasound in Screening for Vascular Disease
Edward Bluth, MD

11:45 AM–12:05 AM Interventions for Renal Vascular Hypertension and the Role of Ultrasound
Glenn Jacobowitz, MD, RDMS

12:05 AM–12:25 PM Calf Veins: When Should They Be Scanned/When Should They Be Treated?
Salvatore LaRusso, Med, RDMS, RT(R)

12:25 AM–12:30 PM Questions and Answers
Musculoskeletal Ultrasound: Transition From Adults to Pediatrics

Earn up to 1.75 CME credits.

Astor Ballroom • Seventh Floor

Moderator: Michael Di Pietro, MD

The objective of this session is to cover some of the anatomy and entities familiar to experienced adult musculoskeletal radiologists but not to pediatric radiologists, which pediatric radiologists are now being asked by their clinicians (pediatric orthopedics, pediatric sports medicine, and pediatric physical medicine and rehabilitation) to address.

10:45 AM–11:20 AM Pelvis to Knee
Marnix van Holsbeeck, MD

11:20 AM–11:55 AM Elbow to Wrist
J. Anthony Bouffard, MD

11:55 AM–12:30 PM Knee to Ankle
Jay Smith, MD

Ultrasound of the Head and Neck

Earn up to 1.75 CME credits.

Empire Complex • Seventh Floor

Moderator: Sharlene Teefey, MD

After attending this session, participants should be able to recognize pathology in neck lymph nodes, salivary glands, and the thyroid.

10:45 AM–11:20 AM Sonographic Evaluation of the Salivary Glands
Wui Chong, MD

11:20 AM–11:50 AM Ultrasound of the Thyroid and Parathyroid
Sharlene Teefey, MD

11:50 AM–12:30 PM Evaluating Neck Lymph Nodes With Ultrasound
Jill Langer, MD
10:45 AM–12:30 PM
Scientific Sessions
Learn about the latest research in ultrasound in concise oral presentations.
* indicates presenter.

**Emergency Ultrasound, Part 2**
Earn up to 1.75 CME credits.
Shubert Complex • Sixth Floor
Moderator: Leslie Scoutt, MD

11:00 AM–11:07 AM
1540052 A Systematic Review of the Diagnostic Accuracy of Bedside Ocular Ultrasound in the Diagnosis of Retinal Detachment
Jonathan Kirschner,* Hal Minnigan, Michael Vrablik, Gregory Snead, Rawle Seupaul

11:07 AM–11:14 AM
1540708 Accuracy and Interobserver Agreement of Point-of-Care Ultrasound for Diagnosis of Skull Fractures in Children
Joni Rabiner,* Jeffrey Avner, Hnin Khine, Lana Friedman, James Tsung

11:14 AM–11:21 AM
1540563 Bedside Ultrasonography as an Adjunct to Routine Workup in Evaluation of Suspected Acute Appendicitis in the Emergency Department
Samuel Lam,* Anthony Grippo, Christopher Kerwin, P. John Konicki, Diana Strasburger

11:21 AM–11:28 AM
1536633 Retrospective Review of Emergency Bedside Ultrasound for Diagnosis of Pediatric Intussusception
Adam Wise, P. John Konicki, Christopher Yenter, Samuel Lam*

11:28 AM–11:35 AM
1539106 Extension of the Thoracic Spine Sign as an Indicator of Pleural Effusion
Eitan Dickman,* Suzanne Bialeck, Lawrence Haines, Catherine Baxtrom, Victoria Terentiev, Antonios Likourezos, Sergey Ayvazyan

11:35 AM–11:42 AM
1537918 Bedside Ultrasound Skills Acquisition by Medical Students on Emergency Medicine Rotation
Uche Blackstock,* Jacqueline Munson, Christian Koziatek, Demian Szyl

11:42 AM–11:49 AM
1434950 Number of Proctored Pediatric Focused Assessment With Sonography for Trauma Exams Required for Proficiency
Sharon Yellin,* Jennifer Chao, Richard Sinert, John Gullett, Gerardo Chiricolo
11:49 AM–11:56 AM
1540999 Didactic and Hands-on Ultrasound Courses: Improving the Point-of-Care Ultrasound Knowledge Base and Confidence Levels in Emergency Medicine Providers
Athena Mihailos,* Kevin O’Rourke, Timothy Mooney, Andrew Balk, Larissa Dudley, Lawrence Melniker, Sharon Yellin, Gerardo Chiricolo

08 Obstetric Ultrasound: Multiple Gestations and New Techniques
Earn up to 1.75 CME credits.
Broadway Ballroom South • Sixth Floor
Moderators: Anthony Johnson, DO, Martha Kelley-Martinez, RDMS

10:45 PM–11:00 PM
Luminary Speaker: Anthony Johnson, DO

11:00 AM–11:07 AM
1540640 Accuracy of Ultrasonographic Chorionicity Classification
Yair Blumenfeld

11:07 AM–11:14 AM
1539223 Outcome After Second-Trimester Amniocentesis and First-Trimester Chorionic Villus Sampling for Prenatal Diagnosis in Multiple Gestations
Christian Enzensberger,* Christina Pulvermacher, Jan Degenhardt, Andreaa Kawecki, Ute Germer, Jan Weichert, Martin Krapp, Ulrich Gembruch, Roland Axt-Fliedner

11:14 AM–11:21 AM
1540424 Breaking Bad News During Perinatal Sonography: Practical Aspects of a Novel Educational Pilot Using High-fidelity Hybrid Simulation
David Jackson,* Petar Planinic, James Pennington, Gigi Guizado de Nathan, Gwen Shonkwiler, Thomas Abdella

11:21 AM–11:28 AM
1525554 Coronal Measurement of Fetal Lateral Ventricles: A Cross-sectional Ultrasonographic Study
Eldad Katorza,* Nir Duvdevani, Jeffrey-Michael Jacobson, Yinon Gilboa, Chen Hoffmann, Reuven Achiron

11:28 AM–11:35 AM
1537200 Feasibility of an Automated Modified Myocardial Performance Index System: A Novel Technique for Automated Measurement of a Modified Fetal Myocardial Performance Index
Mi-Young Lee,* Hye-Sung Won, Eun-Jin Jeon, Jae-Yoon Shim, Hee-Chul Yoon, Jin-Young Choi, Soon-Jae Hong
11:35 AM–11:42 AM
1541081  First-Trimester Pregnancy Dating by Fetal Heart Rate: A Simple Formula
Sarah Obican, * Slava Khodak Gelman, John Larsen

11:42 AM–11:49 AM
1537085  Umbilical Cord Blood Volume Flow Evaluation Using 3-Dimensional Ultrasound
Stephen Pinter,* Jonathan Rubin, Oliver Kripfgans, Marjorie Treadwell, Vivian Romero, Michael Richards, Man Zhang, Anne Hall, J. Brian Fowlkes

11:49 AM–11:56 AM
1536973  Defining the Spatial Relationships Between 8 Anatomic Planes in the 11 + 6- to 13 + 6-Week Fetus: A Pilot Study
Reem Abu-Rustum,* Sameer Abu-Rustum, M. Fouad Ziade

11:56 AM–12:03 PM
1537670  Does Cervical Cerclage Placement Prolong Gestation in Twin Pregnancies With a Sonographically Short Cervix?
Sara Brubaker,* Samantha Do, Noelia Zork, Cara Pessel, Joy Vink, Annette Perez-Delboy, Sreedhar Gaddipati

11:00 AM–3:30 PM
Committee Meetings

11:00 AM–12:30 PM
Executive Committee
Barrymore • Ninth Floor

12:30 PM–3:30 PM
Board of Governors
Marquis Ballroom • Ninth Floor

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E-Posters

E-posters are located in:
Ziegfeld • Fourth Floor

E-posters are available for viewing:
Sunday, April 7 • 1:00 PM–5:00 PM
Monday, April 8 • 8:00 AM–5:30 PM
Tuesday, April 9 • 8:00 AM–5:30 PM
Wednesday, April 10 • 8:00 AM–12:30 PM

Awards
First-, second-, and third-prize awards, as well as honorable mentions, will be indicated by a ribbon icon on Sunday, April 7, after 5:00 PM. Awards are based on scientific content and visual effect.

*indicates presenter
THE AMERICAN INSTITUTE OF ULTRASOUND IN MEDICINE (AIUM) EXTENDS ITS GREATEST APPRECIATION TO THE COMPANIES LISTED BELOW. THEIR MONETARY SUPPORT ENABLES THE AIUM TO CONTINUE ITS MISSION OF ADVANCING THE SAFE AND EFFECTIVE USE OF ULTRASOUND IN MEDICINE, AND THEIR COLLABORATION PROVIDES THE FRAMEWORK FOR DIALOGUE ON EMERGING ISSUES. TOGETHER, WE ENSURE A BRIGHT AND POSITIVE FUTURE FOR MEDICAL ULTRASOUND.

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- SIEMENS
- Pavilion for Women

- Texas Children’s Hospital
E-Posters

Basic Science and Instrumentation: Bioeffects

1505305 Multimodality Imaging of Microwave-Treated Prostate Tumors
Robert Bard

1536107 Hospital-Wide Survey of Bacterial Contamination of Point-of-Care Ultrasound Probes
Matthew Lawrence,* James Blanks, Ruben Ayala, Joel Schofer, Diana Macian, Douglas Talk, Jessie Glasser

Basic Science and Instrumentation: Instrumentation

1426579 Process for Selection and Implementation of a New Ultrasound Imaging System
Donald Tradup,* Scott Stekel, Deirdre King, Nicholas Hangiandreou

1540162 Correcting for Acoustic Cavitation and Acoustic Streaming in Ultrasound Calibration
Victor Frenkel,* Thanh Nguyen, Loan Bui, Nghia Huu Tran

1540609 Analysis of Uniformity Artifacts Detected During Clinical Ultrasound Quality Control
Scott Stekel,* Nicholas Hangiandreou, Donald Tradup

Basic Science and Instrumentation: Tissue Characterization/Quantitative Ultrasound

1539608 Bayesian Methods for Streamlining and Enhancing the Analysis and Presentation of Myocardial Strain and Strain Rate Data
Olga Neyman,* Michelle Milne, Gautam Singh, Ravi Rasalingam, James Miller, Mark Holland

Cardiovascular Ultrasound: Abdominal

1539867 Ultrasound of Arteriovenous Malformations of the Genitourinary System
Vijayanadh Ojili,* Gowthaman Gunabushanam, Ravi Vassa, Nagar Arpit, Kedar Chintapalli, Leslie Scoutt

Cardiovascular Ultrasound: Cardiac

1540916 Doppler Echocardiographic Estimates of Right Ventricular Pressure Are Inaccurate in Children With Elevated Right Heart Pressure
Georgeann Groh,* Mark Holland, Joshua Murphy, Timothy Sekarski, Philip Levy, Craig Myers, Diana Hartman, Gautam Singh
E-Posters

**Cardiovascular Ultrasound: Carotid/Cerebrovascular**

1540408 Advanced Ultrasound Evaluation of Carotid Plaque: Can a Combined 2-Dimensional and 3-Dimensional Ultrasound Analysis Provide Additional Information and Identify Significant Plaque Characteristics Responsible for Strokes?
Lysa Legault Kingstone,* Carlos Torres, Geoffrey Currie

1540482 Utility of 3-Dimensional Plaque Imaging in Carotid Stenosis
Lysa Legault Kingstone,* Carlos Torres, Geoffrey Currie

1540628 Carotid Plaque Classification System: A New Standard Diagnostic Criterion
Lysa Legault Kingstone,* Carlos Torres, Geoffrey Currie

**Cardiovascular Ultrasound: Peripheral Vascular**

1540674 Emergency Ultrasound of Hemodialysis Arteriovenous Fistulas and Grafts
Gowthaman Gunabushanam,* John Millet, Vijayanadh Ojili, Joshua Cruz, Jonathan Kirsch, Leslie Scoutt

**Contrast-Enhanced Ultrasound**

1513506 Effect of Targeted Ultrasound Contrast Agent Attachment on Nonlinear Frequency Emissions
John Eisenbrey,* Valgerdur Halldorsdottir, Anush Sridharan, Joshua Rychak, Flemming Forsberg

1513519 Correlation of Ultrasound Contrast Agent–Derived Blood Flow Parameters With Immunohistochemical Markers in Murine Xenografts: Influence of the Imaging Mode, Tumor Model, and Subcutaneous Location
John Eisenbrey,* Christian Wilson, Raymond Ro, Traci Fox, Ji-Bin Liu, See-Ying Chiou, Flemming Forsberg

1539652 Contribution of Contrast-Enhanced Sonography to Transjugular Intrahepatic Portosystemic Shunt Follow-up
Jean Ayoub,* Jean Marc Perarnau, Frédéric Patat

1539819 Biopsy Diagnosis of Lung Tumors Situated Peripherally
Marek Chorazy,* Marta Majcher, Jedrzej Glasek, Katarzyna Urbanowicz, Robert Kwiatkowski
Emergency and Critical Care Ultrasound

1464510 Central Line Confirmation With Saline and Echocardiography
Ershad Elahi,* Ninfa Mehta, Shahriar Zehtabchi

1514789 Time From Nursing Request to Probe Placement Delays Ultrasound-Guided Peripheral Intravenous Catheter Placement in Emergency Department Difficult-Access Patients
Glenn Heimburger,* Leigh Patterson, Kori Brewer

1538182 Emergency Medicine Intern Ultrasound Proficiency: A Longitudinal Study
Elizabeth Pontius,* Kerri Layman, Michael Antonis

1539098 Ultrasound-Guided Vascular Access on a Phantom: A Training Model for Medical Student Education—Trends in Data, 2010–2012
Lydia Sahlani, Eric Adkins, David Bahner*

1539863 @EDUltrasoundQA: An Updated Twitter Curriculum
David Bahner, Saad Raginwala, Nilesh Patel,* Creagh Boulger, Eric Adkins, Eric Cortez

1540605 Simulation Model as an Adjunct Method for Emergency Medicine Transvaginal Ultrasound Education
Omar Corujo Vazquez,* Marie Romney, Penelope Chun Lema, Cara Brown, Michael Radeos, Eric Tran, Anita Datta

1540730 Utility of Point-of-care Ultrasound in the Management of Snake Bite
Srikar Adhikari,* Mazda Shirazi, Austin Gross

1540968 Role of Bedside 3/4-Dimensional Ultrasonography in the Diagnosis of Acute Appendicitis
Timothy Mooney,* Kevin O’Rourke, Gerardo Chiricolo

1540998 Evaluation of Acquisition and Interpretation of Focused Assessment With Sonography for Trauma Scans in an Urban Level 1 Trauma Center
Zachary Robinson,* Lem Smith, Eliza Beal, Brian Abbott, Creagh Boulger, Daniel Eiferman, David Bahner

1541009 An Educational Model for Teaching Focused Assessment With Sonography for Trauma to Surgical Residents
Eliza Beal,* Ashley Zielinski, Creagh Boulger, Sereana Dresbach, David Bahner, Daniel Eiferman

1541115 Ocular Ultrasound Simulation Lab: Does It Translate to the Bedside?
Kevin O’Rourke, Sharon Yellin,* Adam Vytykac, Timothy Mooney, Larry Melniker, Athena Mihailos, Andrew Balk, Gerardo Chiricolo

1541312 The BUILD Project: Bringing Ultrasound Internationally for Long-Term Development
Keith Rosenberg, Fadi Kasyouhanan, David Bahner*

1541516 Point-of-Care Ultrasound in the Diagnosis of Complex Subcutaneous Abscesses Requiring Surgical Intervention
Srikar Adhikari, Austin Gross*
E-Posters

General and Abdominal Ultrasound: Breast

1527190  Determining the Accuracy of Ultrasound in Identifying Axillary Lymph Node Metastasis in Breast Cancer Patients  
Madeleine Lewis,* Abid Irshad, Susan Ackerman

1540300  Ultrasound Screening of the Dense Breast: An Analysis of the Costs and Benefits to Both the Patient and the Practitioner  
Sirisha Jasti, Katherine Kaproth-Joslin, Avice O’Connell, Ren Tianbo*

General and Abdominal Ultrasound: General

1536912  Abnormal Ultrasound Findings in Patients With Clinical Suspicion of Chronic Liver Disease in Sokoto and Its Environ  
Sadisu Maaji,* Abdulmuminu Yakubu, Danielle Odunko

1537241  Unusual Anechoic Portal Vein Thrombosis and its Significance for Predicting the Response to Anticoagulant Therapy  
Shoichi Matsutani,* Hideaki Muzumoto, Akitoshi Kobayshi, Atsuyoshi Seki, Takeshi Ando

1540701  Implementation of Bedside Ultrasonography Within an Internal Medicine Faculty and Residency: The IMBUS Program  
David Tierney,* Terry Rosborough

1540927  Focal Lesions in the Transplanted Liver: Differential Diagnosis  
Ronald Wachsberg

General and Abdominal Ultrasound: Neck

1536944  Carotid Ultrasound May Not Be Sufficient to Perform Carotid Endarterectomy  
Robert Colvin,* Alvaro Magalhaes

1540301  Ultrasound Features of Follicular Neoplasms and Ultrasound Features of Follicular Neoplasms Proven to Be Follicular Carcinoma at Surgery  
Annette Ho, Michael Davis,* Annemarie Buadu

General and Abdominal Ultrasound: Urinary Tract

1489649  Multimodality Vascular Imaging of Bladder Tumors  
Robert Bard,* Daniel Sperling

1541460  Developing and Evaluating an Ultrasound Curriculum for a Urology Residency Training Program  
Joseph Lopez,* Daniel Box, Geoffrey Box, David Bahner
E-Posters

Gynecology (Including Ectopic Pregnancy)

1509711  To Chaperone or Not to Chaperone?  
Jenny Parkes,* Michal Schneider-Kolsky, Paul Lombardo

1518185  Extraovarian Adnexal Sonographic Findings in Ectopic Pregnancy:  
A Reappraisal  
Mary Frates,* Peter Doubilet, Hope Peters, Carol Benson

1522516  Four Consecutive Recurrent Cesarean Scar Pregnancies in a  
Single Patient  
Simi Gupta,* Christina Cordeiro, Grace Pineda, Sherman Rubin, Ilan Timor

1522877  Many Faces of Uterine Adenomyosis: Ultrasound and Magnetic  
Resonance Imaging  
Vijayanadh Ojili

1537779  The Stripe Unraveled: From Dysfunctional Uterine Bleeding to  
Postmenopausal Bleeding  
Chitra Chandrasekhar,* Verghese George

1538060  Three-Dimensional Ultrasound of the Cumulus Oophorus  
Kyle Beiter, Thomas Hilgers,* Jeanine Johnson, Rachel Stites

1538313  Case Presentations of “Cloudy Ascites” Associated With Female  
Pelvic Malignancies  
Raydeen Busse, Gail Hoshiko-Reed, Chrystie Fujimoto*

1540075  Ultrasonographic Findings of Malignancy-Like Ovarian Deciduosis of  
Endometrioma During Pregnancy  
Marta Oliva,* M. Angela Pascual, Lourdes Hereter, Betlem Graupera,  
Cristina Pedrero, Maria Fernandez-Cid

1540166  Usefulness of Uterine Tranverse Diameter Measurement in Suspicion  
of Congenital Uterine Anomalies  
Meritxell Vila,* M. Angela Pascual, Betlem Graupera, Lourdes Hereter,  
Cristina Pedrero, Maria Fernandez-Cid

1540206  Ultrasonographic Diagnosis of Ovarian Ectopic Pregnancy After In  
Vitro Fertilization With Salpingectomy and Literature Review  
M. Angela Pascual, Lourdes Hereter, Betlem Graupera, Francisco  
Tresserra, Alicia Perez, Buenaventura Coroleu, Pedro Barri

1540763  Scaled Signal Intensity of Uterine Fibroids on T2-Weighted Magnetic  
Resonance Images: Objective Parameter to Determine the Suitability  
for Magnetic Resonance–Guided Focused Ultrasound Surgery of  
Uterine Fibroids  
Sanghee Lee,* Sang-Wook Yoon, Mi Hee Lee, Su Min Kang

1540777  Which Parameters Could Be Useful for Predicting Malignancy in  
Solid Adnexal Masses?  
Jesus Utrilla-Layna,* Begoña Olartecoechea, María Aubá, Daisy Diaz,  
Laura Pineda, Leyre Juez, Juan Luis Alcázar
E-Posters

1541203  Factors Influencing Intraoperator Variability When Assessing Fibroid Growth
         Malana Moshesh,* Shyamal Peddada, Donna Baird

1541265  Role of Transvaginal Ultrasound in the Diagnosis of Cesarean Section and Its Complications
         Lourdes Hereter, M. Angela Pascual,* Betlem Graupera,
         Pere Barri-Soldevila, Cristina Pedrero, Maria Fernandez-Cid

1541471  Sonographic 2- and 3-Dimensional Aspects of Intrauterine Device Evaluation: What Additional Information Can 3-Dimensional Images Provide?
         Claudia Maksoud

High-Frequency Clinical and Preclinical Imaging

1489380  Vascular Imaging of Lymph Node Metastases
         Robert Bard

1505306  Multiplanar Mapping of Cellulite
         Robert Bard

1506560  Prostate Cancer Neovascular Responses to Antioxidants
         Robert Bard

1506561  Prostate Cancer 3-Dimensional Capsular Erosion Alert for Bone Metastases and Lymphadenopathy Evaluations
         Robert Bard

Interventional-Intraoperative Ultrasound

1489583  Multimodality Imaging of Laser-Ablated Prostate Tumors
         Robert Bard,* Daniel Sperling

Musculoskeletal Ultrasound

1489474  Ultrasonic Imaging of Treated Rheumatoid and Psoriatic Arthritis
         Robert Bard

1522432  Small Retained Foreign Bodies: What Is the Limit of Detection Using Current Emergency Ultrasound Equipment?
         Daniel Jafari, Kenneth Cody, Nova Panebianco, Frances Shofer, Bon Ku,
         Arthur Au, Anthony Dean*

1536710  Efficacy of Ultrasound-Guided Tibial Nerve Perineural Injections at the Posterior Tarsal Tunnel
         Oliver Joseph,* Oleg Uryasev, John McNamara, Apostolos Dallas

1536948  Efficacy of Ultrasound-Guided Injection of the Sternoclavicular Joint Space
         Yisrael Katz,* Oliver Joseph, Oleg Uryasev, John McNamara,
         Apostolos Dallas
<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Authors</th>
</tr>
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<tr>
<td>1536971</td>
<td>Efficacy of Ultrasonographically Guided Anterior Interosseus Nerve Perineural Injection at Its Bifurcation From the Median Nerve</td>
<td>Elizabeth Glazier,* Oleg Uryasev, Oliver Joseph, John McNamara, Apostolos Dallas</td>
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<td>1536975</td>
<td>Efficacy of Ultrasonographically Guided Injection of the Ulnar Nerve Perineural Space at the Guyon Canal</td>
<td>Jeffrey Heimiller,* Oliver Joseph, Oleg Uryasev, John McNamara, Apostolos Dallas</td>
</tr>
<tr>
<td>1537456</td>
<td>Sonographic Appearance of Cutaneous Basal Cell Carcinomas of the Head and Neck</td>
<td>Ximena Wortsman,* Nelson Lobos</td>
</tr>
<tr>
<td>1537466</td>
<td>Sonographic Staging in Hidradenitis Suppurativa With Clinical Correlation</td>
<td>Ximena Wortsman,* Claudia Moreno, Rosamary Soto, Javier Arellano, Carlo Pezo</td>
</tr>
<tr>
<td>1537472</td>
<td>Sonographic Characterization of Glomus Tumors of the Nail Unit</td>
<td>Ximena Wortsman,* Nelson Lobos</td>
</tr>
<tr>
<td>1537561</td>
<td>Sonographic Assessment of the Efficacy of Propanolol in Cutaneous Hemangiomas of Infancy</td>
<td>Ximena Wortsman,* Nelson Lobos</td>
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<tr>
<td>1537941</td>
<td>Prevalence of Fluid Associated With the Iliotibial Band in Asymptomatic Recreational Runners: An Ultrasonographic Study</td>
<td>Elena Jelsing,* Jonathan Finnoff, Bruce Levy, Jay Smith</td>
</tr>
<tr>
<td>1539642</td>
<td>Sonographic Characterization of Keloids</td>
<td>Ximena Wortsman,* Nelson Lobos</td>
</tr>
<tr>
<td>1539712</td>
<td>Sonographic Characterization of Pilomatrixomas</td>
<td>Ximena Wortsman,* Nelson Lobos</td>
</tr>
<tr>
<td>1540683</td>
<td>Ultrasound of Musculoskeletal Conditions That Clinically Mimic Lower Extremity Deep Venous Thrombosis</td>
<td>Gowthaman Gunabushanam,* Elliott Brown, Vijayanadh Ojili, Leslie Scoutt</td>
</tr>
<tr>
<td>1540972</td>
<td>Reliability of Linear Measurements of the Thoracic Paraspinal Muscles Using Ultrasound Imaging</td>
<td>Nancy Talbott,* Dexter Witt</td>
</tr>
<tr>
<td>1540981</td>
<td>Reliability of Ultrasound Measurements of the Lower Trapezius Muscle During Active and Resisted Movements</td>
<td>Dexter Witt,* Nancy Talbott</td>
</tr>
<tr>
<td>1541039</td>
<td>Improving Musculoskeletal Ultrasonography Through a Local Community Practice Initiative</td>
<td>Brandon Price, David Bahner,* Kendra McCamey, Nicole Bundy, Kimberly Fisher, Andrew Aten, Michael Roesch</td>
</tr>
</tbody>
</table>
E-Posters

1541066 Maximum Effort of the Multifidi Muscles in the Prone Position Using Musculoskeletal Ultrasound Imaging and Electromyography
Rose Smith,* Dervarshi Patel, Susan Kotowski, Dexter Witt, Laure Farwick, Erin Rathje, Ryan Steiner

1541304 Ultrasound-Guided Dorsal Approach for Chemodenervation of the Psoas Muscle
David Spinner

Neurosonology

1530454 Comparison of Brain Vessel Imaging From Transtemporal and Subcondylar Approaches Using Contrast-Enhanced Transcranial Color-Coded Duplex Sonography and a Virtual Navigator
David Skoloudik,* Martin Roubec, Martin Kuliha, Jaroslav Havelka, Katerina Langova, Roman Herzig

1530478 Transcranial Sonography and $^{123}$I-FP-CIT Single-Photon Emission Computed Tomography in Movement Disorders
David Skoloudik,* Petra Bartova, Tana Fadrna, Otakar Kraft, Martin Havel

Obstetric Ultrasound: Fetal Anomalies

1509891 Sonographic Morphologic Score as a Predictor of the Outcome in Fetal Sacrococcygeal Teratoma
Marjan Bolouri,* Eveline Shue, Douglas Miniati, Vicky Feldstein

1511819 Retrospective Review of Fetal Body Lymphangioma Including Postnatal Outcome
Kari Thomas, Karen Oh, Roya Sohaey*

1515361 Suprarenal Masses in the Fetus
Sarah Rogers, Karen Oh, Roya Sohaey, Erik Maki*

1528363 Comparative Effectiveness of Fetal Magnetic Resonance Imaging for Improvement of Diagnostic Accuracy
Christina Herrera,* Amber Samuel, Sherelle Laifer-Narin, Lynn Simpson, Russell Miller

1536801 Cloacal Exstrophy: When an Omphalocele Is Not Just an Omphalocele
Reza Pakdaman, Anne Kennedy,* Mark Molitor, Janice Byrne, Paula Woodward

1536808 Imaging Spectrum of Fetal Autosomal Recessive Polycystic Kidney Disease
Tony Trinh, Anne Kennedy,* Joe Sherbotie, Janice Byrne

1539898 Prenatal Diagnosis of Recurrent Atelosteogenesis
Janice Byrne,* Anne Kennedy, Paula Woodward, Deborah Krakow, John Carey
E-Posters

1540556 Utility of the Prefrontal Space Ratio to Screen for Trisomy 21 in a Racially Diverse Population: A Pilot Study
Barrie Suskin Kaplan, Anne Roe, Komal Bajaj*

1540672 Prenatal Stomach Size: Association With Cleft Lip and/or Cleft Palate
Kristin Burhans,* Lauren Mack, Peter Koltz, Stephanie Henderson, John Girotto, Loralei Thornburg

1540783 Efficacy of Ultrasound-Guided Radiofrequency Ablation for Selective Feticide in Complicated Monochorionic Pregnancy
Jae-Won Yoon,* Hye-Sung Won, Jae-Yoon Shim, Pil-Ryang Lee, Ahm Kim

Obstetric Ultrasound: Fetal Growth

1507806 Evaluation of a Small Abdominal Circumference by Ultrasound as a Predictor of Increased Doppler Resistance
Pedro Roca,* Allen Kunselman, Gabor Mezei, Kari Whitley, Serdar Ural, John Repke

1539948 Association Between First-Trimester Ultrasonographic Twin Crown-Rump Length Discrepancies and Neonatal Outcomes
Pedro Roca,* Allen Kunselman, Gabor Mezei, Kari Whitley, Dennis Mujsce, Ian Paul, Serdar Ural

Obstetric Ultrasound: General

1537544 Correlation of Central Obesity and Body Mass Index With the Number of Items Seen on Routine Anatomy Ultrasound in Obese Patients
Simi Gupta,* Judith Chervenak, Ilan Timor, Ana Monteagudo

1537671 Natural History of Fetal Pyelectasis and Risk of Infant Uropathy
Emily Neri,* Jean Goodman, Jennifer Peck

1538946 Masses in Pregnancy: Blood Flow Provides Vascular Clues to Diagnosis
Constance Bitters,* Beth Kline-Fath

1539989 The Work Flow Impact of Universal Transvaginal Cervical Length Screening With Anatomic Surveys in an Ultrasound Unit
Eileen Wang,* Alexander Friedman, Samuel Parry, Nadav Schwartz

1540646 A Decade of Ultrasound Practice Accreditation at California Prenatal Diagnosis Center and Experience With Fetal Echocardiography Accreditation
Sara Goldman

1540772 Patient and Practitioner Perceptions of Ultrasound Screening in Pregnancy
Susan Bradford,* Loralei Thornburg, J. Christopher Glantz
1541037 Teaching Basic Obstetric Ultrasound Skills at Mulago Hospital, Kampala, Uganda
Homa Ahmadzia,* Urania Magriples, France Galerneau, Imelda Namagembe

1541519 Impact of the Maternal Body Mass Index on the Duration and Completion of Fetal Anatomic Ultrasound
Dana Smith,* Carmen Eichelberger, Lisa Carroll, Neeta Vora

**Obstetric Ultrasound: Multiple Gestations**

1508173 Persistence of Placenta Previa in Twin Pregnancies Diagnosed in the Second Trimester by the Degree of Cervical Overlap
Simi Gupta,* Nathan Fox, Andrei Rebarber, Daniel Saltzman, Chad Klauser, Ashley Roman

1537060 Comparative Analysis of Sonographic and Doppler Signs and Perinatal Outcomes in Patients With Twin-Twin Transfusion Variants and Selective Intrateruterine Growth Restriction of One of the Monozygote Twins
Inessa Safonova,* Irina Lukjanova, Rizvan Abdullaev

1540030 Association of Ultrasonographic Twin Estimated Fetal Weight Discrepancies With Early Neonatal Outcomes
Pedro Roca,* Allen Kunselman, Anthony Ambrose, Ian Paul, Dennis Muijse, Serdar Ural, Kari Whitley

**Obstetric Ultrasound: New Techniques**

1527866 Equivalence of 2- and 3-Dimensional Ultrasound in the Evaluation of First-Trimester Nuchal Translucency by Maternal-Fetal Medicine Fellows
Steffen Brown,* Michael Wolfe, Lesley de la Torre, Matthew Brennan, Rebecca Hall

1535936 Cell-Free Fetal DNA Testing for Aneuploidy: Initial Experience
Kisti Fuller,* Adam Borgida

1536431 A Novel Approach to Visualizing the Vasculature Architecture of the Placenta Using 3-Dimensional Slicer Software: A Pilot Study
Rie Oyama,* Chizuko Isurugi, Tomonobu Kanasugi, Akihiko Kikuchi, Toru Sugiyama, Sonia Pujol, Ron Kikinis

**Obstetric Ultrasound: Uterus, Placenta, and Cervix**

1537067 Transvaginal Sonographic Differential Diagnosis of the Causes of Postpartum Uterus Involution Slowdown: Clinical Experience of a Specialized Hospital Department
Inessa Safonova,* Yuri Paraschuk, Roman Safonov

1540597 Mid or Late Second-Trimester Doppler Ultrasound of the Uterine Artery: Is There a Difference?
Koen Deurloo,* John van Vugt, Annemieke Bolte, Martijn Heymans
E-Posters

1540949 First-Trimester 3-Dimensional Placental Volume and Its Association With Gestational Diabetes
Nwamaka Obi,* Karenrose Contreras, Andre Bieniarz, Jean Goodman, Paula Melone, Roberta Karlman

1541032 Cervical Length Assessment by Transabdominal and Endovaginal Ultrasound
Jennifer Thompson,* Michael Smrtka, Geeta Swamy, Chad Grotegut, Brita Boyd, Amy Murtha

1541050 Cervical Length Ultrasound Does Not Predict Preterm Birth in Patients With Cerclage
Jennifer Thompson,* Michael Smrtka, Geeta Swamy, Chad Grotegut, Sarah Ellestad, Amy Murtha

Pediatric Ultrasound

1463047 Using Lung Ultrasound in the Diagnosis of Transient Tachypnea of the Newborn and Hyaline Membrane Disease in Neonates at 28 Weeks’ Gestation and Later
Claudia Cadet,* James Tsung, Ian Holzman

1514851 A New Sonographic Sign for Perinatal Torsion: the “Kiwi Sign”
Ashraf Goubran,* Fern Karlicki, Karen Letourneau, Ganesh Srinivasan

1515353 The Swollen Pediatric Scrotum: Ultrasound Technique and Differential Diagnosis
Kelli Schmitz, Kathryn Snyder, David Geldermann, Roya Sohaey*

1538125 Design and Evaluation of a Point-of-Care Ultrasound Curriculum for Pediatricians Involved in Global Health
Sachita Shah,* Meera Muruganandan, Sachin Shah, Randheer Shailam, Sara Stulac, Kim Wilson

1539862 Peripubertal Ovarian and Uterine Volumes: Are Historical Values Still Valid Today?
Steven Kraus, Sara O’Hara,* Janet Adams, Rachel Mistur

1540661 Increased Incidence of Renal Colic in the Pediatric Emergency Department
Anita Datta, Omar Corujo Vazquez,* William Apterbach, Gregg Rusczyk, Sanjay Gupta, Marie Romney, Michael Radeos, Kruti Joshi, Penny Chun Lema

1540840 Spectrum of Ultrasound Findings in Patients With Anorectal Malformation
Steven Kraus,* Sara O’Hara, Janet Adams

1540920 Cranial Ultrasound Findings in Preterm Infants With Germinal Matrix and Periventricular Leukomalacia
Arash Anvari,* Anthony Samir, Michael Gee
**Sonography: Data/Imaging Management**

1538648 Predicting Prognostic Factors of Breast Cancer Using Shear Wave Elastography  
Woo Jung Choi,* Hak Hee Kim, Joo Hee Cha, Hee Jung Shin, Hyunji Kim, Min Ji Hong, Eun Suk Cha, Hyeon Sook Kim, Sung Hun Kim

1538852 Value of Qualitative Sonoelastographic Evaluations in the Diagnosis of Solid Breast Masses  
Hasan Yerli,* Tugbahan Yilmaz, Banu Ural

1539837 Sonoelastographic Qualitative Analysis in the Management of Salivary Gland Masses  
Hasan Yerli,* Erkan Eski, Ekrem Korucuk, A. Muhtesem Agildere

**Sonography: Education and Training**

1518748 Axillary Lymph Nodes: Beyond Size and Shape  
Abdelmohsen Hussien,* Avice O’Connell

1538793 Understanding How Ultrasound Technology Promotes Student Attention During Instruction of the Physical Exam  
Caridad Hernandez,* Christine Bellew, Alfredo Tirado, Andrew Payer, Manette Monroe, Juan Cendan

1539664 The Ultrasound Challenge: A Novel Approach to Ultrasound Education  
Eric Cortez,* Creagh Boulger, Matthew Blickendorf, Emily Hoover, Adam Jasne, Stacy Boore, Anthony Mueller, Eric Adkins, David Bahner

1539668 A Committee Structure for Improved Efficacy of a Student Ultrasound Interest Group  
Katherine Pollard,* Emily Hoover, David Bahner

1540523 Practical Uniformity Evaluation of Ultrasound Systems: Tips and Pitfalls  
Donald Tradup,* Nicholas Hangiandreou, Scott Stekel

1540570 An Objective Tool to Evaluate Ultrasound Image Quality: The Ultrasound Standardized Assessment Tool  
Creagh Boulger, Katherine Pollard,* David Bahner

1540658 Medical Student Ultrasound Education as Part of the Clinical Skills Immersion Experience  
Zachary Robinson, Colin Turney, Creagh Boulger, David Bahner*

1541434 Trained Simulated Ultrasound Patients: Medical Students as Models, Learners, and Teachers  
Matt Blickendorf,* Lindsay Mooney, Krista Rath, Eric Adkins, David Bahner
E-Posters

**Therapeutic Ultrasound**

1427024  Usefulness of 4-Dimensional Ultrasonography to Evaluate Effects of Therapeutic Radiofrequency Ablation for Hepatocellular Carcinoma

Naoki Hotta

1518801  Ultrasound-Guided Fine-Needle Aspiration Biopsy of Thyroid Nodules Performed by Family Practitioners in a Health Clinic Setting

María Mata Castrillo,* Jose Ignacio Jaen Diaz, Blanca Cordero Garcia, Eugenio Cerezo Lopez, Francisco Lopez de Castro, Paolo Ciardo

1540676  Radiation Dose Reduction Through the Use of Ultrasound Smart Fusion for Liver

Nami Azar, Edwin Vargas Velandia, * Dean Nakamoto

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**AIUM RESOURCE CENTER**

**Fifth Floor Foyer**

Attention convention attendees! Stop by the AIUM Resource Center to check out all the products that the AIUM has to offer. Members receive a 50% discount on most products including ultrasound-related CME DVD programs, publications, pamphlets, merchandise, and more.

**Stop by for special on-site discounts on select DVD programs.**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, April 6</td>
<td>8:00 AM–4:30 PM</td>
</tr>
<tr>
<td>Sunday, April 7</td>
<td>8:00 AM–4:30 PM</td>
</tr>
<tr>
<td>Monday, April 8</td>
<td>8:00 AM–4:30 PM</td>
</tr>
<tr>
<td>Tuesday, April 9</td>
<td>8:00 AM–4:30 PM</td>
</tr>
<tr>
<td>Wednesday, April 10</td>
<td>8:00 AM–12:30 PM</td>
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Save the Dates!
March 29–April 2, 2014
Caesars Palace • Las Vegas, Nevada

AMERICAN INSTITUTE OF ULTRASOUND IN MEDICINE
Annual Convention
and Preconvention Program

Bringing together the entire medical ultrasound community
# Community and Interest Group Meetings

## Schedule at a Glance

### Sunday, April 7

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>9:00 AM–10:00 AM</td>
<td>General and Abdominal Ultrasound Community</td>
<td>Manhattan Ballroom • Eighth Floor</td>
</tr>
<tr>
<td>10:00 AM–11:00 AM</td>
<td>Basic Science and Instrumentation Community</td>
<td>Marquis Ballroom A/B • Ninth Floor</td>
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<td>Fetal Echocardiography Community</td>
<td>Gramercy/Olmstead • Seventh Floor</td>
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<td>Interventional/Intraoperative Ultrasound Community</td>
<td>Manhattan Ballroom • Eighth Floor</td>
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<td>Musculoskeletal Ultrasound Community</td>
<td>Soho/Herald • Seventh Floor</td>
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### Monday, April 8

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<tr>
<td>8:15 AM–9:15 AM</td>
<td>Ultrasound in Global Health Interest Group</td>
<td>Shubert Complex • Sixth Floor</td>
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<tr>
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<td>Ultrasound in Medical Education Interest Group</td>
<td>Shubert Complex • Sixth Floor</td>
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<td>12:30 PM–1:30 PM</td>
<td>Cardiovascular Ultrasound Community</td>
<td>Marquis Ballroom C • Ninth Floor</td>
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<td>Obstetric Ultrasound Community</td>
<td>Broadway Ballroom North • Sixth Floor</td>
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### Tuesday, April 9

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<th>Location</th>
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<tbody>
<tr>
<td>8:15 AM–10:15 AM</td>
<td>Elastography Interest Group</td>
<td>Hart • Fourth Floor</td>
</tr>
<tr>
<td>9:15 AM–10:15 AM</td>
<td>Emergency and Critical Care Ultrasound Community</td>
<td>Majestic/Music Box • Sixth Floor</td>
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<td>Therapeutic Ultrasound Community</td>
<td>Manhattan Ballroom • Eighth Floor</td>
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<tr>
<td>10:15 AM–11:15 AM</td>
<td>Pediatric Ultrasound Community</td>
<td>Majestic Complex • Sixth Floor</td>
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<tr>
<td>11:30 AM–12:30 PM</td>
<td>Neurosonology Community</td>
<td>Majestic Complex • Sixth Floor</td>
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<tr>
<td>12:30 PM–1:30 PM</td>
<td>Contrast-Enhanced Ultrasound Community</td>
<td>Marquis Ballroom C • Ninth Floor</td>
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<td>Gynecologic Ultrasound Community</td>
<td>Broadway Ballroom South • Sixth Floor</td>
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<tr>
<td>4:45 PM–5:30 PM</td>
<td>High-Frequency Clinical and Preclinical Imaging Community</td>
<td>Marquis Ballroom A/B • Ninth Floor</td>
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</tbody>
</table>
Every ultrasound specialty. One professional network.

Connect with your community at www.aiumcommunities.org.

Get involved. Collaborate with your colleagues in each of the AIUM’s communities and interest groups.

Connect. Share insights and pose questions about the latest research, practice standards, training guidelines, and other clinical topics.

Keep up. Receive notifications when new discussions are posted in your selected groups.

Current communities include:
- Basic Science and Instrumentation
- Cardiovascular Ultrasound
- Contrast-Enhanced Ultrasound
- Elastography
- Emergency and Critical Care Ultrasound
- Fetal Echocardiography
- General and Abdominal Ultrasound
- Gynecologic Ultrasound
- High-Frequency Clinical and Preclinical Imaging
- Interventional/Intraoperative Ultrasound
- Musculoskeletal Ultrasound
- Neurosonology
- Obstetric Ultrasound
- Pediatric Ultrasound
- Sonography
- Therapeutic Ultrasound
- Ultrasound in Global Health
- Ultrasound in Medical Education

Sign up at www.aiumcommunities.org—it’s free!
Make Plans to Attend
AIUM Community and
Interest Group Meetings

All 15 of the AIUM’s communities and 3 of its interest groups are meeting during the convention. Attendees are encouraged to participate in any or all of the meetings and can earn CME credits for their participation.

AIUM Communities and Interest Groups

- Discuss topics, advancements, and issues relevant to each specific community,
- Suggest content and speakers for future conventions, webinars, and other educational initiatives,
- Recommend abstract review teams,
- Provide images for online educational efforts.

Communities

- Basic Science and Instrumentation
- Cardiovascular Ultrasound
- Contrast-Enhanced Ultrasound
- Emergency and Critical Care Ultrasound
- Fetal Echocardiography
- General and Abdominal Ultrasound
- Gynecologic Ultrasound
- Interventional/Intraoperative Ultrasound
- Musculoskeletal Ultrasound
- Neurosonology
- Obstetric Ultrasound
- High-Frequency Clinical and Preclinical Imaging
- Pediatric Ultrasound
- Sonography
- Therapeutic Ultrasound

Interest Groups

- Elastography
- Ultrasound in Global Health
- Ultrasound in Medical Education

View the meeting agendas on the following pages and make plans to attend!
Basic Science and Instrumentation
Community Agenda

Sunday, April 7
10:00 AM–11:00 AM
Marquis Ballroom A/B • Ninth Floor
Earn up to 1 CME credit.

James Miller, PhD, Chair
Keith Wear, PhD, Vice Chair
Michael Oelze, PhD, Secretary

This community consists of individuals with an interest in the science and technology associated with medical ultrasound. Topics of interest include diagnostic and therapeutic applications of ultrasound, bioeffects, and technological advancements.

1. Call to Order: identify community officer to take minutes (usually the secretary)
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Discussion of Abstract Submission Categories: Tissue Characterization vs Quantitative Ultrasound
4. Discussion/Review of 2013 Basic Science and Instrumentation Sessions:
   - Sunday, April 7
     • How Does Ultrasound Compare in Safety and Radiation Dose to Other Imaging Modalities?
   - Monday, April 8
     • Advances in Clinical and Quantitative Pediatric Lung Ultrasound
     • New Horizons in Contrast Ultrasound (in cooperation with the Contrast-Enhanced Ultrasound Community)
     • Quantitative Ultrasound Biomarkers
   - Tuesday, April 9
     • Microbubbles and Drug/Gene Delivery
   - Wednesday, April 10
     • Two-Dimensional Arrays and 3-Dimensional Ultrasound
     • Acoustic Radiation Force Impulse Imaging: Benefits and Challenges With Increasing Acoustic Output Beyond Diagnostic Levels
5. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
6. Recommendations for Sound Judgment Article Topics and Authors
7. Recommendations for Webinar Topics and Webinar Speakers
8. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
9. New Business
10. Adjournment

All those with an interest in basic science and instrumentation are encouraged to become a member of the online Basic Science and Instrumentation Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.
Community Meeting Agendas

Cardiovascular Ultrasound Community Agenda

Monday, April 8
12:30 PM–1:30 PM
Marquis Ballroom C • Ninth Floor
Earn up to 1 CME credit.

John Blebea, MD, Chair
Leslie Scoutt, MD, Vice Chair
Jennifer McDowell, MM, RVT, RDMS, RT, Secretary

This community provides a forum for the discussion of issues of interest to sonographers and physicians involved in the science and practice of cardiac and vascular ultrasound.

1. Call to Order: identify community officer to take minutes (usually the secretary)
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Discussion/Review of 2013 Cardiovascular Ultrasound Sessions:
   - Sunday, April 7
     • Hands-on Renal and Mesenteric Imaging (in cooperation with the General and Abdominal Ultrasound Community)
   - Monday, April 8
     • Carotid and Upper Extremity Imaging: Pitfalls and Misdiagnoses
     • Hemodialysis Vascular Access
     • Hands-on Carotid and Transcranial Doppler Ultrasound (in cooperation with the Neurosonology Community)
   - Tuesday, April 9
     • Abdominal and Lower Extremity Arterial Imaging: Pitfalls and Misdiagnoses
     • Understanding Doppler Images and Quality Control of Image Acquisition
   - Wednesday, April 10
     • Peripheral Arterial Disease
     • Current Vascular Controversies
4. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
5. Recommendations for Sound Judgment Article Topics and Authors
6. Recommendations for Webinar Topics and Webinar Speakers
7. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
8. New Business
9. Adjournment

All those with an interest in cardiovascular ultrasound are encouraged to become a member of the online Cardiovascular Ultrasound Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.
Contrast-Enhanced Ultrasound
Community Agenda

Tuesday, April 9
12:30 PM–1:30 PM
Marquis Ballroom C • Ninth Floor
Earn up to 1 CME credit.

Wui Chong, MD, FRCR, Chair
Ulrike Hamper, MD, MBA, Vice Chair
Arthur Fleischer, MD, Secretary

This community is for ultrasound professionals interested in the development of ultrasound contrast agents and their safe and efficacious use for ultrasound examinations.

1. **Call to Order:** identify community officer to take minutes (usually the secretary)
2. **Approval of Minutes** from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. **Approval of Incoming Secretary:** Andrej Lyshchik, MD, PhD
4. **Discussion/Review of 2013 Contrast-Enhanced Ultrasound Sessions:**
   - **Sunday, April 7**
     - Clinical Applications of Ultrasound Contrast, Part 1
   - **Monday, April 8**
     - New Horizons in Contrast Ultrasound (in cooperation with the Basic Science and Instrumentation Community)
   - **Tuesday, April 9**
     - Contrast-Enhanced Ultrasound in Pediatrics: What Have We Learned and How Can We Apply It? (in cooperation with the Pediatric Ultrasound Community)
   - **Wednesday, April 10**
     - Clinical Applications of Ultrasound Contrast, Part 2: Novel Applications
5. **Recommendations for Course Topics and Speakers** for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
6. **Recommendations for Sound Judgment Article Topics and Authors**
7. **Recommendations for Webinar Topics and Webinar Speakers**
8. **Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year**
9. **New Business**
10. **Adjournment**

All those with an interest in contrast agents are encouraged to become a member of the online Contrast-Enhanced Ultrasound Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.
Emergency and Critical Care Ultrasound Community Agenda

Tuesday, April 9
9:15 AM–10:15 AM
Majestic/Music Box • Sixth Floor
Earn up to 1 CME credit.

Leslie Scoutt, MD, Chair
Bret Nelson, MD, RDMS, Vice Chair
Eitan Dickman, MD, RDMS, Secretary

This community includes individuals from a wide variety of disciplines who are involved with the use of ultrasound in the analysis of emergency care patients.

1. Call to Order: identify community officer to take minutes (usually the secretary)
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Discussion/Review of 2013 Emergency and Critical Care Ultrasound Sessions:
   - Saturday, April 6
     - Medical Student/Resident Hands-on Course: Vascular Access Component
     - Thoracic Ultrasound in the Emergency and Critical Care Patient
   - Sunday, April 7
     - Ultrasound-Guided Procedures for the Pediatric Patient: From the Perspective of Both Point-of-Care and Traditional Approaches (in cooperation with the Pediatric Ultrasound Community)
     - Advanced Point-of-Care Cardiac Ultrasound in the Emergency and Critical Care Patient
   - Monday, April 8
     - Abdominal and Pelvic Pain in the Emergency Room Patient
     - Vaginal Bleeding in the First Trimester (in cooperation with the Gynecologic Ultrasound Community)
     - Difficult Diagnosis in the Emergency Room: Can Ultrasound Help?
   - Tuesday, April 9
     - New Horizons in Critical Care Ultrasound
     - Teaching and Assessing Point-of-Care Ultrasonography
     - Hands-on Ultrasound-Guided Vascular Access (in cooperation with the Interventional-Intraoperative Ultrasound Community)
   - Wednesday, April 10
     - Point-of-Care Ultrasonography in the Management of the Hypotensive Patient
     - Lumps, Bumps, and Extremity Pain in the Emergency Room: What Is the Role of Ultrasound?
4. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
5. Recommendations for Sound Judgment Article Topics and Authors
6. Recommendations for Webinar Topics and Webinar Speakers
7. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
8. New Business
9. Adjournment

Individuals are encouraged to become a member of the online Emergency and Critical Care Ultrasound Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.

www.aium.org
Community Meeting Agendas

Fetal Echocardiography Community Agenda

Sunday, April 7
10:00 AM–11:00 AM
Gramercy/Olmstead • Seventh Floor
Earn up to 1 CME credit.

Mark Sklansky, MD, Chair
Liat Gindes, MD, Vice Chair
Lynn Simpson, MD, MSc, Secretary

This community consists of professionals involved in the evaluation of the fetal heart with ultrasound imaging.

1. Call to Order: identify community officer to take minutes (usually the secretary)
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Discussion/Review of 2013 Fetal Echocardiography Sessions:
   - Basics of Fetal Cardiac Screening
   - Choose Your Prognosis: Fetal Cardiac Unknowns
   - Live Fetal Cardiac Scanning by the Experts
   - Innovative Directions in Fetal Cardiac Imaging
   - Advanced Fetal Cardiac Evaluation and Comprehensive Overview
4. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
5. Recommendations for Sound Judgment Article Topics and Authors
6. Recommendations for Webinar Topics and Webinar Speakers
7. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
8. New Business
9. Adjournment

All those with an interest in fetal echocardiography are encouraged to become a member of the online Fetal Echocardiography Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.
Community Meeting Agendas

General and Abdominal Ultrasound
Community Agenda

Sunday, April 7
9:00 AM–10:00 AM
Manhattan Ballroom • Eighth Floor
Earn up to 1 CME credit.

Susan Ackerman, MD, Chair
Sharlene Teefey, MD, Vice Chair
Salvatore LaRusso, MEd, RDMS, RT(R), Secretary

This community represents professionals who are involved in general abdominal imaging, including areas of the abdomen and retroperitoneum, as well as superficial parts of the body.

1. Call to Order: identify community officer to take minutes (usually the secretary)
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Discussion/Review of 2013 General and Abdominal Ultrasound Sessions
   - Sunday, April 7
     • Hands-on Renal and Mesenteric Imaging (in cooperation with the Cardiovascular Ultrasound Community)
   - Monday, April 8
     • Ultrasound Incidentalomas
   - Tuesday, April 9
     • Doppler Evaluation of the Abdomen
     • Missed Cases: General and Abdominal
     • Transplant Imaging
   - Wednesday, April 10
     • Real or Not? Artifacts in the Abdomen
     • Breast Ultrasound
     • Ultrasound of the Head and Neck
4. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
5. Recommendations for Sound Judgment Article Topics and Authors
6. Recommendations for Webinar Topics and Webinar Speakers
7. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
8. New Business
9. Adjournment

All those with an interest in general and abdominal ultrasound are encouraged to become a member of the online General and Abdominal Ultrasound Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.
This community consists of professionals involved in the sonographic imaging of the female pelvis, including the fallopian tubes, uterus, and ovaries.

1. **Call to Order:** identify community officer to take minutes (usually the secretary)
2. **Approval of Minutes** from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. **Discussion/Review of 2013 Gynecologic Ultrasound Sessions:**
   - **Saturday, April 6**
     - Gynecology: Pelvic Floor Disorders Using 2- and 3-Dimensional Transperineal Sonography
   - **Sunday, April 7**
     - Recent Innovations in Gynecologic Ultrasound, Including 3-Dimensional Imaging
   - **Monday, April 8**
     - Pregnancy Locations: Two New Entities
     - Gynecologic Imaging Using Multiple Imaging Modalities, Including Ultrasound, Computed Tomography, and Magnetic Resonance Imaging
     - Vaginal Bleeding in the First Trimester (in cooperation with the Emergency and Critical Care Ultrasound Community)
   - **Tuesday, April 9**
     - Just Images: Abnormal Bleeding
     - Before and After: Case Presentations, Surgical Findings, and Clinical Outcomes
     - Use of Gynecologic Ultrasound in General Practice
   - **Wednesday, April 10**
     - Gynecologic Ultrasound: The Basics Revisited

4. **Recommendations for Course Topics and Speakers** for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
5. **Recommendations for Sound Judgment Article Topics and Authors**
6. **Recommendations for Webinar Topics and Webinar Speakers**
7. **Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year**
8. **New Business**
9. **Adjournment**

All those with an interest in gynecologic ultrasound are encouraged to become a member of the online Gynecologic Ultrasound Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.
Community Meeting Agendas

High-Frequency Clinical and Preclinical Imaging Community Agenda

Tuesday, April 9
4:45 PM–5:30 PM
Marquis Ballroom A/B • Ninth Floor
Earn up to 1 CME credit.

Michael Kolios, PhD, Chair
Ronald Silverman, PhD, Vice Chair
Jonathan Mamou, PhD, Secretary

This community incorporates clinicians, basic scientists, physicists, and engineers interested in the development of high-frequency and very high-frequency ultrasound techniques in a variety of external, endovascular, and intraoperative applications.

1. Call to Order: identify community officer to take minutes (usually the secretary)
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Election of New Secretary
   Nominees as of February 27, 2013, who have accepted nomination:
   • Bridgette Lunsford, RDMS, RVT
   • Terri Swanson, MA
4. Discussion/Review of 2013 High-Frequency Clinical and Preclinical Imaging Sessions:
   Tuesday, April 9
   • Recent Developments in High-Frequency Ultrasonic Transducers and Arrays
   • Small-Animal Preclinical High-Frequency Imaging
5. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention
   (March 29–April 2, 2014, Las Vegas, Nevada)
6. Recommendations for Sound Judgment Article Topics and Authors
7. Recommendations for Webinar Topics and Webinar Speakers
8. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
9. New Business
10. Adjournment

All those with an interest in high-frequency clinical and preclinical imaging are encouraged to become a member of the online High-Frequency Clinical and Preclinical Imaging Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.
Interventional-Intraoperative Ultrasound Community Agenda

Sunday, April 7
10:00 AM–11:00 AM
Manhattan Ballroom • Eighth Floor
Earn up to 1 CME credit.

Dean Nakamoto, MD, Chair
Shweta Bhatt, MD, Vice Chair
Corinne Deurdulian, MD, Secretary

This community includes ultrasound professionals who use ultrasound technology for both diagnosis and treatment in invasive procedures, including percutaneous interventions, as well as surgical procedures performed in the operating room.

1. Call to Order: identify community officer to take minutes (usually the secretary)
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Approval of Incoming Secretary: Joaquin Santolaya, MD, PhD
4. Discussion/Review of 2013 Interventional-Intraoperative Ultrasound Sessions:
   Monday, April 8
   • Interesting Cases in Interventional Ultrasound
   • New Techniques and Methods in Ultrasound-Guided Interventions
   Tuesday, April 9
   • Hands-on How to Do Ultrasound-Guided Interventions
   • Hands-on How to Do the Biopsy
   • Hands-on Ultrasound-Guided Vascular Access (in cooperation with the Emergency and Critical Care Ultrasound Community)

5. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
6. Recommendations for Sound Judgment Article Topics and Authors
7. Recommendations for Webinar Topics and Webinar Speakers
8. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
9. New Business
10. Adjournment

All those with an interest in interventional-intraoperative ultrasound are encouraged to become a member of the online Interventional-Intraoperative Ultrasound Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.
Community Meeting Agendas

Musculoskeletal Ultrasound Community Agenda

Tuesday, April 9
12:30 PM–1:30 PM
Broadway Ballroom South • Sixth Floor
Earn up to 1 CME credit.

David Fessell, MD, Chair
Kenneth Lee, MD, Vice Chair
Nathalie Bureau, MD, Secretary

This community consists of professionals involved in the sonographic imaging of the musculoskeletal system.

1. Call to Order: identify community officer to take minutes (usually the secretary)
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Approval of Incoming Secretary: Joseph Craig, MD, ChB
4. Discussion/Review of 2013 Musculoskeletal Ultrasound Sessions:
   - Saturday, April 6
     • Comprehensive Review of Musculoskeletal Ultrasound
   - Sunday, April 7
     • Interventional Musculoskeletal Ultrasound: Steriod Injections, Dry Needling, and Platelet-Rich Plasma Injections
   - Monday, April 8
     • Musculoskeletal Ultrasound: How I Do It
     • Interventional and Other Ultrasound Techniques: How I Do It
   - Tuesday, April 9
     • Cutting Edge Musculoskeletal Ultrasound: Peripheral Nerves of the Upper Extremity
     • Hands-on Scanning Peripheral Nerves of the Upper Extremity
   - Wednesday, April 10
     • Musculoskeletal Ultrasound: Transition From Adults to Pediatrics (in cooperation with the Pediatric Ultrasound Community)

5. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
6. Recommendations for Sound Judgment Article Topics and Authors
7. Recommendations for Webinar Topics and Webinar Speakers
8. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
9. New Business
10. Adjournment

All those with an interest in musculoskeletal ultrasound are encouraged to become a member of the online Musculoskeletal Ultrasound Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.
Neurosonology Community Agenda

Tuesday, April 9
11:30 AM–12:30 AM
Majestic Complex • Sixth Floor
Earn up to 1 CME credit.

Tatjana Rundek, MD, PhD, Chair
Mary Beth McCrville, MD, Vice Chair
Digna Cabral, BS, Secretary

This community consists of professionals who perform sonography of the brain, cerebral circulation, spine, and all peripheral nerves and muscles. Neurosonology is applied to pathology at all life stages, from prenatal care to children and adults.

1. Call to Order: identify community officer to take minutes (usually the secretary)
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Approval of Incoming Secretary: Beth Kline-Fath, MD
4. Discussion/Review of 2013 Neurosonology Sessions:
   Monday, April 8
   - Spinal Sonography of Children
   - Taboos and Opportunities in Sonothrombolysis for Stroke: From Sonothrombolysis in Animals to Stroke Treatment in Patients
   - Hands-on Carotid and Transcranial Doppler Ultrasound (in cooperation with the Cardiovascular Ultrasound Community)
   Tuesday, April 9
   - Perinatal Malformations of the Head, Face, and Neck (in cooperation with the Pediatric Ultrasound Community)
   Wednesday, April 10
   - Extracranial Ultrasound of the Head and Neck in Children
5. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
6. Recommendations for Sound Judgment Article Topics and Authors
7. Recommendations for Webinar Topics and Webinar Speakers
8. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
9. New Business
10. Adjournment

All those with an interest in neurosonology are encouraged to become a member of the online Neurosonology Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.

www.aium.org 156
Obstetric Ultrasound
Community Agenda

Monday, April 8
12:30 PM–1:30 PM
Broadway Ballroom North • Sixth Floor
Earn up to 1 CME credit.

Jacques Abramowicz, MD, Chair
Jude Crino, MD, Vice Chair
Joan Mastrobattista, MD, Secretary

This community consists of professionals interested in all aspects of obstetric ultrasound, including administrative issues such as coding, practice administration, and legislation.

1. Call to Order: identify community officer to take minutes (usually the secretary)
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Discussion/Review of 2013 Obstetric Ultrasound Sessions:
   Saturday, April 6
   • Everything You Want to Know About First-Trimester Obstetric Ultrasound
   Sunday, April 7
   • Hands-on Basic Obstetric Ultrasound and Simulation
   • Hands-on Advanced Obstetric Ultrasound and Simulation
   • Point/Counterpoint: Ultrasound Versus Magnetic Resonance Imaging in the Diagnosis of Placenta Accreta, Congenital Diaphragmatic Hernias, and Central Nervous System Anomalies
   Monday, April 8
   • Doppler Ultrasound: Basic and Advanced (Beyond the Umbilical Artery)
   • Exploring the Interface of Ethics and Communication in Prenatal Care: A Video-Based Approach
   • Obstetric Ultrasound
   Tuesday, April 9
   • Mild/Soft Signs of Karyotypic Anomalies
   • Pearls From the Anatomic Survey (Skeletal Dysplasia, Central Nervous System, Renal Chest Abnormalities)
   Wednesday, April 10
   • Three- and Four-Dimensional Obstetric Ultrasound
4. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
5. Recommendations for Sound Judgment Article Topics and Authors
6. Recommendations for Webinar Topics and Webinar Speakers
7. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
8. New Business
9. Adjournment

Individuals are encouraged to become a member of the online Obstetric Ultrasound Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.
Community Meeting Agendas

Pediatric Ultrasound
Community Agenda

Tuesday, April 9
10:15 AM–11:15 AM
Majestic Complex • Sixth Floor
Earn up to 1 CME credit.

Beth Kline-Fath, MD, Chair
Harris L. Cohen, MD, Vice Chair
Leann Linam, MD, Secretary

This community represents individuals who use ultrasound in diagnosing and treating children.

1. Call to Order: identify community officer to take minutes (usually the secretary)
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Approval of Incoming Secretary: Rob Goodman, MD
4. Discussion/Review of 2013 Pediatric Ultrasound Sessions:
   - Sunday, April 7
     • Ultrasound-Guided Procedures for the Pediatric Patient: From the Perspective of Both Point-of-Care and Traditional Approaches (in cooperation with the Emergency and Critical Care Ultrasound Community)
   - Monday, April 8
     • Pediatric Hepatobiliary Disorders
     • Pediatrics: Shedding Light on Difficult Cases
   - Tuesday, April 9
     • Perinatal Ultrasound: Fetal and Neonatal Correlations
     • Contrast-Enhanced Ultrasound in Pediatrics. What Have We Learned and How Can We Apply It? (in cooperation with the Contrast-Enhanced Ultrasound Community)
     • Perinatal Malformations of the Head, Face, and Neck (in cooperation with the Neurosonology Community)
   - Wednesday, April 10
     • Ultrasound in the Evaluation of the Child With Acute Abdominal Pain
     • Musculoskeletal Ultrasound: Transition From Adults to Pediatrics (in cooperation with the Musculoskeletal Ultrasound Community)
5. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
6. Recommendations for Sound Judgment Article Topics and Authors
7. Recommendations for Webinar Topics and Webinar Speakers
8. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
9. New Business
10. Adjournment

All those with an interest in pediatric ultrasound are encouraged to become a member of the online Pediatric Ultrasound Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.
Community Meeting Agendas

Sonography
Community Agenda

Monday, April 8
12:30 PM–1:30 PM
Shubert Complex • Sixth Floor
Earn up to 1 CME credit.

James Pennington, RDMS, Chair
Christine Bird, RDMS, RVT, Vice Chair
Kathleen Cross, RDMS, RT(R)(M)(CT), Secretary

This community consists of those involved with the actual performance of the ultrasound exam and those with an interest in ultrasound practice management. Topics include reimbursement, guidelines, management, repetitive stress injuries, and more.

1. Call to Order: identify community officer to take minutes (usually the secretary)
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Approval of Incoming Secretary: Anju Tomar, BS, RDMS, RVT
4. Discussion/Review of 2013 Sonography Sessions:
   Monday, April 8
   • Obstetric Ultrasound: How Do You Meet the Guidelines?
   Tuesday, April 9
   • All the Things Human Resources and Your Boss Don’t Want You to Know: Sonographer Employment Issues and Salary Levels
   Wednesday, April 10
   • Project Ultrasound: Professional Clarity for the Advanced Ultrasound Professional
5. Discussion on Ways for Sonographers to Connect During the Annual Convention (Second Vice President Lisa Allen, BS, RDMS, RDCS, RVT)
6. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
7. Recommendations for Sound Judgment Article Topics and Authors
8. Recommendations for Webinar Topics and Webinar Speakers
9. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
10. New Business
11. Adjournment

All those with an interest in the practice of sonography are encouraged to become a member of the online Sonography Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.
Community Meeting Agendas

Therapeutic Ultrasound Community Agenda

Tuesday, April 9
9:15 AM–10:15 AM
Manhattan Ballroom • Eighth Floor

Earn up to 1 CME credit.

George Lewis Jr, PhD, Chair
Keith Wear, PhD, Vice Chair
Maggie Zhang, MD, PhD, Secretary

This community consists of physicians and basic scientists interested in advancing the efficiency and awareness of ultrasound applications for therapeutic benefit.

1. **Call to Order**: identify community officer to take minutes (usually the secretary)
2. **Approval of Minutes** from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. **Approval of Incoming Secretary**: Gregory Czarnota, PhD, MD, FRCPC
4. **Discussion/Review of 2013 Therapeutic Ultrasound Sessions**:
   - Monday, April 8
     • Cellular Bioeffects and Applications
   - Wednesday, April 10
     • Ultrasound-Guided Thrombolysis
5. **Recommendations for Course Topics and Speakers** for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
6. **Recommendations for Sound Judgment Article Topics and Authors**
7. **Recommendations for Webinar Topics and Webinar Speakers**
8. **Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year**
9. **New Business**
10. **Adjournment**

All those with an interest in therapeutic ultrasound are encouraged to become a member of the online Therapeutic Ultrasound Community on the AIUM Community site at www.aiumcommunities.org. Registration is free. It's the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this community.
Elastography Interest Group Agenda

Tuesday, April 9
8:15 AM–10:15 AM
Hart • Fourth Floor
Earn up to 1 CME credit.

Richard Barr, MD, PhD, Moderator

This group brings together those with an interest in elastography and its future in diagnosis.

1. Call to Order: identify individual to take minutes
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Discussion/Review of 2013 Elastography Interest Group Sessions:
   - Monday, April 8
     - Elastography 2013
     - Hands-on Elastography
   - Tuesday, April 9
     - Breast Elastography
4. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
5. Recommendations for Sound Judgment Article Topics and Authors
6. Recommendations for Webinar Topics and Webinar Speakers
7. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
8. New Business
9. Adjournment

All those with an interest in elastography are encouraged to become a member of the online Elastography Interest Group on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this interest group.
Interest Group Meeting Agendas

Ultrasound in Global Health
Interest Group Agenda

Monday, April 8
8:15 AM–9:15 AM
Shubert Complex • Sixth Floor
Earn up to 1 CME credit.

Sachita Shah, MD, Moderator

Given its relatively low cost and portability, ultrasound has the potential to improve health care outcomes in underserved communities around the world. This interest group connects members with an interest in this important area.

1. Call to Order: identify individual to take minutes
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Discussion/Review of 2013 Ultrasound in Global Health Sessions:
   - Sunday, April 7
   • Ultrasound in Global Health
4. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
5. Recommendations for Sound Judgment Article Topics and Authors
6. Recommendations for Webinar Topics and Webinar Speakers
7. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
8. New Business
9. Adjournment

All those with an interest in ultrasound in global health are encouraged to become a member of the online Ultrasound in Global Health Interest Group on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this interest group.
Interest Group Meeting Agendas

Ultrasound in Medical Education
Interest Group Agenda

Monday, April 8
9:15 AM–10:15 AM
Shubert Complex • Sixth Floor
Earn up to 1 CME credit.

David Bahner, MD, RDMS, Moderator

This interest group brings together those with an interest in the integration of ultrasound into medical student and resident education. It provides a forum for the exchange of ideas and program information.

1. Call to Order: identify individual to take minutes
2. Approval of Minutes from the 2012 AIUM Annual Convention (Phoenix, Arizona)
3. Task force activity and status
   • Curriculum Toolkit
   • Mentor Program
   • Society Liaison
   • Social Media
4. Discussion/Review of 2013 Ultrasound in Medical Education Interest Group Sessions:
   Saturday, April 6
   • Integration of Ultrasound Into Medical School Curricula
4. Recommendations for Course Topics and Speakers for the 2014 AIUM Annual Convention (March 29–April 2, 2014, Las Vegas, Nevada)
5. Recommendations for Sound Judgment Article Topics and Authors
6. Recommendations for Webinar Topics and Webinar Speakers
7. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
8. New Business
9. Adjournment

All those with an interest in ultrasound in medical education are encouraged to become a member of the online Ultrasound in Medical Education Interest Group on the AIUM Community site at www.aiumcommunities.org. Registration is free. It’s the perfect location to share news, ask questions, post comments, and engage in dialogue throughout the year. Scan QR code with your mobile device for more information about this interest group.
Your patients deserve the best…

Ultrasound Practice Accreditation

Prove your commitment to patient safety—have your practice accredited by the American Institute of Ultrasound in Medicine.

The AIUM offers accreditation in:

- Abdominal/General Ultrasound
- Breast Ultrasound
- Complete Obstetric or Trimester-Specific Ultrasound
- Dedicated Musculoskeletal Ultrasound
- Dedicated Thyroid/Parathyroid Ultrasound
- Fetal Echocardiography
- Gynecologic Ultrasound
- Urologic Ultrasound

For more information, visit www.aium.org, and click on “Accreditation,” or e-mail accreditation@aium.org.

Learn more about AIUM ultrasound practice accreditation at the Accreditation Booth in the Fifth Floor Foyer.
## 2013 Exhibitors

<table>
<thead>
<tr>
<th>Fifth Floor Foyer</th>
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<tbody>
<tr>
<td>115 ALPINION Medical Systems, Inc</td>
<td>102 MedaPhor, Ltd</td>
</tr>
<tr>
<td>103 American Registry for Diagnostic Medical Sonography (ARDMS)</td>
<td>324 Medstreaming</td>
</tr>
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<td>320 American Society of Echocardiography (ASE)</td>
<td>525 Mindray North America</td>
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<td>313 AS Software, Inc</td>
<td>705 Nanosonic, Inc</td>
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<td>216 ATS Laboratories, Inc</td>
<td>418 Parker Laboratories, Inc</td>
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<td>319 PCI Medical, Inc</td>
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<td>504 Philips Healthcare</td>
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<td>516 Samsung Electronics America, Inc</td>
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<td>711 Sidra Medical and Research Center</td>
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<td>221 ContextVision AB</td>
<td>304 Siemens Medical Solutions USA, Inc</td>
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<td>112 Cook Medical</td>
<td>124 Simbionix USA Corporation</td>
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<td>604 Digisonics, Inc</td>
<td>123 Simulab Corporation</td>
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<td>709 Society for Maternal-Fetal Medicine (SMFM)</td>
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<td>510 Texas Fetal Center</td>
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<td>715 Fetal Medicine Foundation, USA (FMF)</td>
<td>311 Toshiba America Medical Systems, Inc</td>
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<td>106 Imogon Medical, LLC</td>
<td>323 ZONARE Medical Systems, Inc</td>
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Exhibit Hall Floor Plan

Westside Ballroom • Fifth Floor
<table>
<thead>
<tr>
<th>Booth Number</th>
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<tbody>
<tr>
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<td>Intersocietal Accreditation Commission (IAC)</td>
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<td>Floor</td>
<td>Year of Ultrasound</td>
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<td>Foyer</td>
<td>AIUM Resource Center and Accreditation Booth</td>
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**Exhibit Hall Hours**

**Exhibit Hall is located in: Westside Ballroom • Fifth Floor**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
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<tbody>
<tr>
<td>Sunday, April 7</td>
<td>11:30 AM–4:30 PM</td>
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<tr>
<td>Grand Opening Luncheon</td>
<td>11:30 AM–1:00 PM</td>
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<tr>
<td>Monday, April 8</td>
<td>9:30 AM–4:30 PM</td>
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<tr>
<td>Refreshment Break</td>
<td>10:15 AM–11:00 AM</td>
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<tr>
<td>Lunch</td>
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<tr>
<td>Refreshment Break</td>
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<tr>
<td>Tuesday, April 9</td>
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**Exhibitor Profiles**

**AIUM Accreditation Booth**  
Fifth Floor Foyer  
Find out more about AIUM ultrasound practice accreditation. View the online application and talk with friendly and knowledgeable accreditation staff about how to get started.

**AIUM Resource Center**  
Fifth Floor Foyer  
AIUM CME DVD programs, publications, patient cards and pamphlets, and select merchandise are available for sale in the AIUM Resource Center. AIUM members save 50% on most products. Special savings on select CME DVD video programs.

**ALPINION Medical Systems, Inc**  
Booth 115  
21312 30th Dr, Suite 100  
Bothell, WA 98021 USA  
Phone: 425-949-4901  
E-mail: marketing@alpinionusa.com  
Website: http://www.alpinion.com

ALPINION Medical Systems believes that technology is only meaningful when it delivers value to health care providers. Guided by this philosophy, ALPINION focuses on the development and production of ultrasound, including diagnostic ultrasound, therapeutic high-intensity focused ultrasound, and advanced piezoelectric crystal and single-crystal transducer technology. Winner of the reddot Design Award and iF Design Award for excellence in product innovation, our E CUBE portfolio of diagnostic ultrasound platforms ranges from premium to portable systems and provides, ergonomic design, efficient work flow, and extreme accuracy.
Exhibitor Profiles

American Registry for Diagnostic Medical Sonography (ARDMS)  
Booth 103
1401 Rockville Pike, Suite 600  
Rockville, MD 20852 USA  
Phone: 301-738-8401 or 800-541-9754  
Fax: 301-738-0312  
E-mail: communications@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), vascular technology (RVT), and musculoskeletal sonography (RMSK). The ARDMS has nearly 80,000 certified individuals throughout the world and is considered the global standard in medical ultrasound credentialing.

American Society of Echocardiography (ASE)  
Booth 320
2100 Gateway Centre Blvd, Suite 310  
Morrisville, NC 27560 USA  
Phone: 919-861-5574  
E-mail: ase@asecho.org  
Website: http://www.asecho.org

The American Society of Echocardiography (ASE) is the world’s largest organization of cardiovascular ultrasound practitioners. We are dedicated to patient care through education, advocacy, research, innovation, and service to our members and the public. The ASE provides a comprehensive educational portfolio, including live courses, online courses, online webinars, and educational products on a variety of cardiovascular ultrasound topics.

AS Software, Inc  
Booth 313
560 Sylvan Ave  
Englewood Cliffs, NJ 07632 USA  
Phone: 201-541-1900  
E-mail: tsaunders@as-software.com  
Website: http://www.as-software.com

AS Software, Inc, specializes in ultrasound reporting and digital imaging communications in medicine image management systems, which offer both physicians and hospitals state-of-the-art data management solutions. AS Software offers seamless enterprise integration for the total obstetrics and gynecology (Ob/Gyn) solution: reports, images, and graphs in one easy-to-read clear, comprehensive, and concise report. AS Software has been providing their Ob/Gyn solution for more than 15 years and has earned a reputation for excellence in the ultrasound reporting industry.
Exhibitor Profiles

ATS Laboratories, Inc
Booth 216

404 Knowlton St
Bridgeport, CT 06608 USA
Phone: 203-579-2700
Fax: 203-333-2681
E-mail: atslaboratories@yahoo.com
Website: http://www.atslaboratories-phantoms.com

ATS Laboratories designs and manufactures phantoms used to evaluate the routine performance of ultrasound imaging systems. Our phantoms are used in the area of quality assurance, field service, research and development, sales, marketing, and educations. ATS specializes in providing custom-design tissue-mimicking phantoms for the unique requirements of our customers. Products include multipurpose phantoms, Doppler flow pumping systems and flow phantoms, thermal test phantoms, and training phantoms.

Caesars Palace Las Vegas
Booth 120

3570 S Las Vegas Blvd
Las Vegas, NV 89109 USA
Phone: 866-227-5938
Website: http://www.caesarpalace.com

Location of the 2014 AIUM Annual Convention, March 29–April 2, 2014.

CAE Healthcare
Booth 417

6300 Edgelake Dr
Sarasota, FL 34240 USA
Phone: 941-377-5562
Fax: 941-379-1663
E-mail: diane.noyes@cae.com
Website: http://www.caehealthcare.com

CAE Healthcare offers advanced patient, surgical, and imaging simulation, learning curriculum, and simulation center management. Visit booth 417 to demo VIMEDIX, the only ultrasound simulator with the transthoracic echocardiographic, transesophageal echocardiographic, and abdominal-pelvic exams on one platform. Ask about CAE ICCU, the society-endorsed e-learning program for bedside ultrasound. Stop by to see Blue Phantom ultrasound training modules, the newest addition to the CAE Healthcare family.
**Exhibitor Profiles**

**Center for Fetal Diagnosis and Treatment at the Children’s Hospital of Philadelphia (CHOP)**  
Booth 608

34th Street and Civic Center Boulevard  
5 Wood, Fetal Surgery  
Philadelphia, PA 19104 USA  
Phone: 215-590-5298  
E-mail: galiem@email.chop.edu  
Website: http://www.fetalsurgery.chop.edu

The center provides multidisciplinary care for mothers carrying fetuses with known birth defects, from prenatal evaluation, diagnosis and surveillance, through delivery and treatment. Therapies include fetoscopy, open fetal surgery, and postnatal surgery. In 2008, we opened the Garbose Family Special Delivery Unit, the world’s first birth facility devoted exclusively to women carrying fetuses with diagnosed birth defects, providing comprehensive, compassionate care focused on two patients: mother and baby.

**CIRS, Inc**  
Booth 420

2428 Almeda Ave, Suite 316  
Norfolk, VA 23513 USA  
Phone: 757-855-2765  
Fax: 757-857-0523  
E-mail: info@cirsin.com  
Website: http://www.cirsin.com

CIRS manufactures a wide range of ultrasound products for quality assurance, training, demonstration, and research. Our products are on the cutting edge of emerging technologies, such as image fusion and shear wave imaging. As more companies develop ultrasound phantoms, our proprietary Zerdine material sets CIRS phantoms apart. A recent reformulation makes for more durable phantoms and minimizes the effect of needle tracks during image-guided interventional procedures. CIRS phantoms uniquely mimic the imaging properties of human tissue in a full range of modalities. Celebrating 30 years as a worldwide leader in phantom manufacturing and tissue simulation, CIRS has earned a reputation for outstanding quality.
Exhibitor Profiles

CIVCO Medical Solutions

102 1st St S
Kalona, IA 52247 USA
Phone: 319-656-4447
Fax: 319-656-4451
E-mail: info@civco.com
Website: http://www.civco.com

With more than 30 years of experience, CIVCO Medical Solutions is a recognized leader in increasing patient throughput and clinical productivity while improving patient outcomes. The multimodality imaging unit designs, manufactures, and markets accessories for use in diagnostic and therapeutic imaging and interventional procedures, with a strong focus on ultrasound. CIVCO partners with leading imaging and device manufacturers to supply innovative needle guidance and infection prevention products, including the revolutionary eTRAX needle guidance system, infection control and transducer covers, and positioning and stabilizing equipment. CIVCO offers products for men’s and women’s health care, anesthesia, echocardiography, vascular access, gastroenterology, surgery, and emergency medicine.

ContextVision AB

Kungsgatan 50
11135 Stockholm, Sweden
Phone: 46-8-750-3550
Fax: 46-8-750-5494
E-mail: info@contextvision.se
Website: http://www.contextvision.com

Since 1983, ContextVision has been a leading provider of image enhancement software to the global medical imaging industry, with the versatile GOP technology at the core of all our imaging solutions. We play a key role in helping manufacturers by offering clinicians unparalleled diagnostic image quality, ultimately providing patients with better care. ContextVision continues to offer the latest software and expertise within ultrasound, x-ray, magnetic resonance imaging, mammography, fluoroscopy, and computed tomography. Our groundbreaking technology and lengthy expertise have granted us a pioneer position within 2-/3-/4-dimensional image enhancement across multiple modalities. For more information, visit www.contextvision.com.
Exhibitor Profiles

Cook Medical

Booth 112

PO Box 489
Bloomington, IN 47402 USA
Phone: 800-468-1379
E-mail: susan.rumple@cookmedical.com
Website: http://www.cookmedical.com

With international headquarters in Bloomington, Indiana, Cook Medical, the world’s largest privately held medical device manufacturer, is a leading designer, manufacturer, and global distributor of minimally invasive medical device technology for diagnostic and therapeutic procedures. Since its founding in 1963, Cook has created innovative technologies for radiology, cardiology, urology, critical care medicine, general surgery, assisted reproduction, gynecology and obstetrics, endovascular medicine, gastroenterology, and endoscopy.

Digisonics, Inc

Booth 604

3701 Kirby Dr
Houston, TX 77098 USA
Phone: 713-529-7979
Fax: 713-529-7999
E-mail: info@digison.net
Website: http://www.digisonics.com

Digisonics has set the standard in picture archiving and communication systems (PACS) and structured reporting systems for more than 25 years, with the first review station, the first fully functional Web-based system, and a fully integrated 3-/4-dimensional analysis package. Digisonics solutions combine high-performance image review, structured reporting, an integrated clinical database, and a powerful PACS image archive into one system for obstetric and gynecologic, vascular, and general ultrasound studies. Digisonics solutions maximize efficiency by integrating and automating the entire complex work flow, resulting in maximum productivity.

Elsevier

Booth 220

1600 JFK Blvd, Suite 1800
Philadelphia, PA 19103 USA
Phone: 215-239-3900
E-mail: j.francis@elsevier.com
Website: http://www.elsevierhealth.com

Elsevier is a leading publisher of health science publications, advancing medicine by delivering superior reference information and decision support tools to physicians, nurses, health practitioners, and students. With an extensive media spectrum—print, online, and handheld, we are able to supply the information you need in the most convenient format.
Exhibitor Profiles

Esaote North America, Inc
Booth 203
8000 Castleway Dr
Indianapolis, IN 46250 USA
Phone: 800-428-4374
Fax: 317-813-6600
E-mail: info@esaoteusa.com
Website: http://www.esaoteusa.com

Esaote North America, a market leader in diagnostic portable and console-based ultrasound systems, offers the MyLab series, a high-performance ultrasound family. The MyLab line provides comprehensive diagnoses, offers excellent value, and features high-level functionality. The platform offers a common user interface, shared probes, and full digital work flow capability. The full line of MyLab ultrasound systems is designed to meet the demands of real-world scanning environments. Whether for private practice, mobile services, hospitals, or clinics, our multispecialty systems offer outstanding image quality and advanced diagnostic capabilities for more confident diagnoses.

Fetal Medicine Foundation, USA (FMF)
Booth 715
5425 Fishburg Rd, Unit 24235
Dayton, OH 45424 USA
Phone: 937-208-8382
Fax: 937-208-6124
E-mail: downingc@fetalmedicine.com
Website: http://www.fetalmedicineusa.com

The Fetal Medicine Foundation is recognized as the world leader in first-trimester screening (FTS) training and accreditation, with more than 44,000 participants worldwide. We are a nonprofit charitable organization whose main goal is to improve the health of pregnant women and their babies through our programs. Free online courses are available at www.fetalmedicineusa.com in FTS, Doppler ultrasound, echocardiography, cervical assessment, videos of fetal defects, and lectures. Accreditation is offered for nuchal translucency and 5 additional FTS ultrasound markers.
Exhibitor Profiles

**Gammex, Inc**
Booth 311
7600 Discovery Dr
Middleton, WI 53562 USA
Phone: 608-828-7000
Fax: 608-828-7500
E-mail: sales@gammex.com
Website: http://www.gammex.com

Gammex is a leader in the manufacture and sale of quality assurance phantoms for ultrasound applications. A worldwide sales organization sells these products to hospitals, service organizations, government agencies, and medical physics companies. In addition to ultrasound phantoms, Gammex sells products for quality assurance and alignment applications in the diagnostic radiology, mammography, radiation oncology, and laser alignment markets.

**GE Healthcare**
Booth 404
9900 Innovation Dr, RP 2139
Wauwatosa, WI 53226 USA
Phone: 866-344-3633
Website: http://www.gehealthcare.com/ultrasound

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 to enable health care providers to better diagnose, treat, and manage patients. For more information, visit www.gehealthcare.com
Exhibitor Profiles

Gulfcoast Ultrasound Institute, Inc

4615 Gulf Blvd, Suite 205
St Pete Beach, FL 33706 USA
Phone: 800-619-1900
Fax: 727-363-0811
E-mail: support@gcus.com
Website: https://www.gcus.com

Since 1985, Gulfcoast Ultrasound Institute has been an established and trusted organization accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education seminars, ultrasound registry review preparation materials, and self-directed study aid products dedicated to the diagnostic medical sonography profession. To date, Gulfcoast Ultrasound Institute has provided ultrasound education to more than 130,000 medical professionals. With the ability to offer education in live, digital, and self-directed formats, Gulfcoast Ultrasound Institute is sure to have what you need to put you on the road to success. Stop by and see us at booth 524.

Heritage Medical Products, Inc

10380 CR 6370
West Plains, MO 65775 USA
Phone: 888-256-8748
E-mail: heritagemedical@centurytel.net
Website: http://www.sonobed.com

What do you get when a registered sonographer designs and builds your exam bed? Functional features and innovative designs along with creative upholstery colors let you personalize your ergonomic exam bed. Heritage Medical Products has been around since 1995, gaining knowledge from our clients and implementing experience from trusted sources in the field of sonography.

—Jason K. Stasney, RVT, RDCS, owner, Heritage Medical Products, Inc

Hitachi Aloka Medical, Ltd

10 Fairfield Blvd
Wallingford, CT 06492 USA
Phone: 800-872-5652
Fax: 203-269-6075
E-mail: inquiry@hitachi-aloka.com
Website: http://www.hitachi-aloka.com

As a recognized leader in ultrasound innovation, Hitachi Aloka Medical is known for unparalleled image quality, superior system reliability, and intuitive use of innovative technologies. Hitachi Aloka Medical has the answer for all of your clinical diagnostic requirements.
Exhibitor Profiles

Imorgon Medical, LLC
555 Veterans Blvd, Suite 110
Redwood City, CA 94063 USA
Phone: 877-298-7543
E-mail: sales@imorgon.net
Website: http://www.imorgon.net

Imorgon’s integrated ultrasound software solutions are designed to bring ultrasound to its full potential while cost-effectively advancing work flow efficiencies, ensuring diagnostic confidence, and improving reporting accuracy. Imorgon Report Accelerator—Advance work flow efficiencies through seamless transfer of numeric data from the ultrasound system to report templates while eliminating paper forms. Imorgon Ultrasound View—Ensure diagnostic confidence by viewing ultrasound equipment quality clips and stills interleaved in acquisition order at true frame rates and lengths on the picture archiving and communication system viewing station. Sonographer Quality Control Tools—Improve reporting accuracy by performing quality control measures without information technology support: easily correct patient name and identification on the images; correct study exceptions; split studies that were accidentally merged; and combine a patient’s exam done in two different rooms. Technology Integration—Imorgon is integrated with multivendor, multisystem solutions and in strict compliance with Health Level 7 and digital imaging and communications in medicine standards.

Intersocietal Accreditation Commission (IAC)
6021 University Blvd, Suite 500
Ellicott City, MD 21043 USA
Phone: 800-838-2110
Fax: 800-581-7889
E-mail: cfraas@intersocietal.org
Website: http://www.intersocietal.org

The Intersocietal Accreditation Commission (IAC) provides accreditation for vascular testing, echocardiography, nuclear/positron emission tomography, magnetic resonance imaging, computed tomography (including dental), and carotid stenting. A new program for vein centers will become available in 2013. Stop by the IAC booth or visit www.intersocietal.org for details highlighting the IAC’s new programs and services that maintain our incredibly high standards—focused on quality patient care—while improving the experience for you. It’s a whole new day for accreditation, and the IAC is leading the way.
Exhibitor Profiles

Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS)

6021 University Blvd, Suite 500
Ellicott City, MD 21043 USA
Phone: 443-973-3251
Fax: 866-738-3444
E-mail: mail@jrcdms.org
Website: http://jrcdms.org

The Joint Review Committee on Education in Diagnostic Medical Sonography makes accreditation recommendations for diagnostic medical sonography (DMS) programs to the Commission on Accreditation of Allied Health Education Programs. Programmatic accreditation is awarded to programs that through a self-study and site visit demonstrate substantial compliance to published standards and guidelines specific to DMS.

Kyoto Kagaku Co, Ltd

3109 Lomita Blvd
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E-mail: rw-kyoto@kyotokagaku.co.jp
Website: http://www.kyotokagaku.com

Established in 1948, with origins in the 1800s, Kyoto manufactures internationally acclaimed simulation training mannequins and models. Kyoto’s expertise spans several major disciplines, including imaging, medical, and nursing education. The experiential training afforded by Kyoto’s high-fidelity products helps instructors enable students to become professionals.

Lippincott Williams & Wilkins

Wolters Kluwer Health Headquarters
530 Walnut St
Philadelphia, PA 19106 USA
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Website: http://www.lww.com

Lippincott Williams & Wilkins is a unit of Wolters Kluwer Health, a group of leading information companies offering specialized publications and software for physicians, nurses, students, and specialized clinicians. Products include drug guides, medical journals, nursing journals, medical textbooks, and medical PDA software. More than just an online medical book store, www.lww.com also contains valuable resources for libraries and institutions, faculty, medical students and residents, retail bookstores, pharmaceutical representatives, advertisers, and authors. Make lww.com your online medical, nursing, and allied health profession resource.
Exhibitor Profiles

**Mammography Reporting System, Inc**
Booth 116

Mammography Reporting System, Inc (MRS), is recognized as the industry pioneer for software designed to track and report breast-related procedures. MRS systems offer scalable workflow optimization solutions that are designed to promote quality patient care, operational efficiency, and improved financial performance for imaging facilities of any size. MRS is trusted by more than 2500 facilities nationwide and is the largest provider of breast tracking and reporting solutions. MRS specializes in incorporating operational efficiency into virtually any workflow. The system delivers value to the customer by offering the widest range of vendor integrations of any breast information system on the market, giving MRS the flexibility to integrate into any facility’s workflow. Robust statistical reports, an excellent user interface, and an unparalleled patient communications package are all hallmarks of MRS systems. MRS is constantly innovating by investing heavily in research and development to provide state-of-the-art solutions that can simplify the jungle of rapidly evolving technological and industry standards in breast imaging. MRS offers a number of products that are designed to deliver immediate results and a positive return on investment in any breast-imaging practice. Contact sales or visit the MRS company website for more information and/or a demonstration of the products and services MRS offers.

**MedaPhor, Ltd**
Booth 102

MedaPhor is a global ultrasound training company selling a range of virtual reality ultrasound training simulators, which bridge the gap between conventional training and the patient. The award-winning ScanTrainer is a 24/7 virtual reality ultrasound training simulator, which combines “real-feel” haptic simulation with real patient scans and curriculum-based interactive learning to provide fast and effective ultrasound training in a nonclinical environment. ScanTrainer’s self-directed learning removes the requirement of patients to learn on and minimizes an expert’s direct supervision, making the system both resource efficient and cost-effective. The system comes with integrated obstetric and gynecologic core skill training modules, and a wide range of pathology-based advanced skill modules and diagnostic case studies for the experienced practitioner are also available.
Exhibitor Profiles

Medstreaming
8201 164th Ave NE, Suite 200
Redmond, WA 98052 USA
Phone: 206-724-2044
Fax: 425-650-7477
E-mail: ryan.plasch@medstreaming.com
Website: http://www.medstreaming.com

At Medstreaming, our mission is to provide affordable and scalable medical information technology solutions in various clinical domains, such as cardiovascular, vascular, and obstetric and gynecologic. Our vision is to enable access to medical structured data anywhere, anytime, and to allow mining and quality review services to be performed using these structured medical data.

Mindray North America
800 MacArthur Blvd
Mahwah, NJ 07430 USA
Phone: 800-288-2121
Website: http://www.na.mindray.com

Headquartered in New Jersey, Mindray has been providing medical solutions to medical professionals worldwide for more than 20 years. The M7 and M5 laptop-style ultrasound systems are practical and effective tools for clinical specialists.

Nanosonics, Inc
566 Gardiners Rd, Suite 24
Alexandria, NSW 2015, Australia
Phone: 317-833-8123
E-mail: info@nanosonics.com.au
Website: http://www.nanosonics.com.au

The Trophon EPR, designed and manufactured by Nanosonics, delivers a 7-minute automated high-level disinfection cycle for ultrasound probes that is fast, easy to use, environmentally friendly, and quality assured. Nanosonics is a global leader in the development of innovative technology for infection control. Nanosonics platform technology delivers superior, cost-effective health care and the highest standards of occupational health and environmental safety. Established in 2001, Nanosonics, Inc, is based in Australia with offices in the United States and Europe.
Exhibitor Profiles

Parker Laboratories, Inc  
Booth 418

286 Eldridge Rd  
Fairfield, NJ 07004 USA  
Phone: 973-276-9500  
Fax: 973-276-9510  
E-mail: parker@parkerlabs.com  
Website: http://www.parkerlabs.com

Parker Laboratories, Inc, is a leading manufacturer of medical ultrasound and electromedical contact media, including gels, lotions and pads. Some of Parker’s products include Aquasonic 100 ultrasound transmission gel, the world standard for medical ultrasound; sterile Aquasonic 100; Eclipse probe covers pregelled with Aquasonic 100, available in 3- and 4-dimensional sizes; and Protex cleaner/disinfectant spray and wipes, a 1-step disinfectant cleaner effective against a broad spectrum of pathogens, including methicillin-resistant Staphylococcus aureus, human immunodeficiency virus, and many others. Visit the company website for more information.

PCI Medical, Inc  
Booth 319

8 Inspiration Ln  
Chester, CT 06412 USA  
Phone: 800-862-3394  
Fax: 866-271-5982  
E-mail: info@pcimedical.com  
Website: http://pcimedical.com

GUS disinfection soak stations are the right way to disinfect your transvaginal, transrectal, and transesophageal ultrasound probes. GUS eliminate fumes from o-phthalaldehyde, hydrogen peroxide, and glutaraldehyde, while protecting your delicate probes during the soaking process. Fumes are drawn into the patented carbon filter, where they are adsorbed and eliminated, and clean air is returned to the room. GUS disinfection soak stations are an inexpensive and safe way to meet Joint Commission and Occupational Safety and Health Administration regulations.

Philips Healthcare  
Booth 504

3000 Minuteman Rd  
Andover, MA 01810 USA  
Phone: 800-934-7372  
Fax: 978-689-9862  
Website: http://www.philips.com/healthcare

As a global leader in health care technology, Philips Healthcare is dedicated to improving people’s lives through meaningful innovation. We are guided by the understanding that there is a patient connected to everything we do and that all over the world, patients and their clinicians are counting on us to deliver solutions across the continuum of care. Please join us at booth 504.
Exhibitor Profiles

Primal Pictures, Ltd
Booth 218
119 Farringdon Rd
London EC1R, England
Phone: 44-207-637-1010
E-mail: sam@primalpictures.com
Website: http://www.primalpictures.com

Primal creates and publishes accurate and interactive 3-dimensional (3D) anatomy and imaging software, including the 3D anatomy for musculoskeletal ultrasound lower and upper limb series. View and label ultrasound scans based on clinically relevant transducer positions, and compare to detailed anatomy correlations—ideal for reference and training.

Samsung Electronics America, Inc
Booth 516
85 Challenger Rd
Ridgefield Park, NJ 07660 USA
Phone: 1-866-SAM-4BIZ
E-mail: hme@sea.samsung.com
Website: http://www.samsung.com/business

As a global leader in information technology, Samsung’s Enterprise Business Division (EBD) is committed to its business customers and loyal partners with world-class solutions. Samsung EBD offers a complete portfolio of technology solutions to support business growth aspirations, including virtualization, printing, displays, notebook and tablet personal computers, digital signage, medical equipment, and set-top-box and hospitality televisions. With a market-oriented approach to innovation, Samsung EBD solutions move businesses forward while helping reduce operating costs. Samsung EBD is a division of Samsung Electronics America, Inc, a US subsidiary of Samsung Electronics Company, Ltd, and is among the world’s largest technology companies.
Exhibitor Profiles

Sidra Medical and Research Center
Al-Nasr Tower (A)
Al-Dafra, Al-Cornich
PO Box 26999
00974 Doha, Qatar
Phone: 974-4404-2333
Fax: 974-4404-2015
E-mail: info@sidra.org
Website: http://www.sidra.org

Sidra Medical and Research Center is a groundbreaking hospital, research, and education institution currently under construction in Doha, Qatar, that will focus on the health and well-being of women and children regionally and globally. Sidra will be a fully digital facility, incorporating the most advanced information technology applications in clinical, research, and business functions. Sidra will initially have around 400 beds with infrastructure to enable expansion to 550 beds in a subsequent phase. Sidra represents the vision of Her Highness Sheikha Moza bint Nasser who serves as its chairperson. The high-tech facility will not only provide world-class patient care but will also help build Qatar’s scientific expertise and resources. Sidra will be funded by a US$7.9 billion endowment from Qatar Foundation, one of the largest endowments of its kind in the world. Sidra is part of a dynamic research and education environment in Qatar that includes leading international institutions, such as Sidra’s academic partner Weill Cornell Medical College in Qatar and Qatar Science and Technology Park. Through strong partnerships with leading institutions around the world, Sidra is creating an intellectual ecosystem to help advance scientific discovery through investment in medical research. Sidra will have a unique working structure with interprofessional collaboration at the heart, providing the best holistic care for patients and an unparalleled learning environment for its medical professionals. Sidra will combine the best in design, technology, operations, and practices from medical centers around the world to offer its employees an environment that is at once familiar and extraordinary.

Siemens Medical Solutions USA, Inc
51 Valley Stream Pkwy
Malvern, PA 19355 USA
Phone: 610-448-4500
Website: http://www.usa.siemens.com/ultrasound

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, 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 work flow.
Simbionix USA Corporation

Booth 124

7100 Euclid Ave, Suite 180
Cleveland, OH 44103 USA
Phone: 216-229-2040
Fax: 216-229-2070
E-mail: infousa@simbionix.com
Website: http://www.simbionix.com

Simbionix, a world leader in medical education solutions, has added the U/S Mentor to their full line of simulators. The U/S Mentor is an advanced medical simulator for the training of ultrasound-related examinations and interventions. This product expansion offers multidisciplinary, realistic hands-on training for the ever-growing use of ultrasound in medicine, especially in a point-of-care setting. It provides residents, fellows, and practicing physicians an opportunity to acquire and improve their sonography-related skills on a variety of virtual patients. The U/S Mentor simulator is designed to provide the optimal educational environment to reach and demonstrate competency levels. It joins a full spectrum of high-quality, technically advanced products that were developed by an experienced research and development team in collaboration with global medical experts. Simulators in more than 50 countries are supported by our world-class customer support center that is available 24/7 to provide the most responsive service available. To learn more about Simbionix and the new U/S Mentor, visit www.simbionix.com or follow us on Facebook, Twitter, and LinkedIn. Contact us at infousa@simbionix.com, or call 866-746-2466 with any questions.

Simulab Corporation

Booth 123

1600 W Armory Way
Seattle, WA 98119 USA
Phone: 206-297-1260
Fax: 253-681-7667
Email: info@simulab.com
Website: http://www.simulab.com

Simulab Corporation provides procedural task trainers for the medical education community. Its product line includes a variety of innovative ultrasound-guided procedure training models for emergency and critical care including CentraLineMan, FemoraLineMan, VascularAccessChild, and SonoMan; a unique trainer that teaches users how to read diagnostic ultrasound images. Simulab offers an array of adult and pediatric task trainers for surgical procedures as well including TraumaMan that is the most widely used surgical trainer in the world today.
Exhibitor Profiles

**Society for Maternal-Fetal Medicine (SMFM)**
Booth 709

409 12th Street, SW  
Washington, DC 20024 USA  
Phone: 202-863-2476  
E-mail: smfm@smfm.org  
Website: https://www.smfm.org

The Society for Maternal-Fetal Medicine 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.

**Society of Ultrasound in Medical Education (SUSME)/ 2013: Year of Ultrasound**
Fifth Floor Foyer

6311 Garners Ferry Rd  
Columbia, SC 29209 USA  
Phone: 803-216-3204  
E-mail: info@susme.org  

The Society of Ultrasound in Medical Education (SUSME) is a 501C3 organization committed to promoting ultrasound in medical education. It is an academic society that will help guide the development of best practices in teaching and testing of medical students, residents, and other trainees in the field of clinical ultrasound. The mission of SUSME is to promote the use of ultrasound in medical education through development of educational experiences, research on outcomes, and distribution of results. 2013: The Year of Ultrasound is a campaign organized by the SUSME and the AIUM, designed to promote the widespread integration of ultrasound education into medical school curriculums and postgraduate continuing medical education activities.

**SonoSim, Inc**
Booth 215

3030 Nebraska Ave, Suite 301B  
Santa Monica, CA 90404 USA  
Phone: 310-315-2828  
E-mail: info@sonosim.com  
Website: http://www.sonosim.com

SonoSim is the creator of the SonoSim ultrasound training solution. The SonoSim product line comprises a series of revolutionary, real-patient–based ultrasound training products. They use a laptop computer training environment to deliver unparalleled didactic content, knowledge assessment, and hands-on training. The refreshingly engaging learning experience allows users the freedom to learn anytime, anywhere on a library of pathologic cases. For more information, visit www.sonosim.com.
Exhibitor Profiles

SonoSite, Inc
21919 30th Dr SE
Bothell, WA 98021 USA
Phone: 425-951-1200
Fax: 425-951-1201
Website: http://www.sonosite.com

SonoSite, Inc, the world leader in bedside and point-of-care ultrasound, delivers solutions that meet the imaging needs of the medical community. With its acquisition of the VisualSonics ultra high-frequency micro imaging technology, SonoSite continues to influence the future of medical ultrasound in both the clinical and preclinical markets.

Sonultra Corporation
6345 Balboa Blvd, Building III, Suite 360
Encino, CA 91316 USA
Phone: 310-557-1750
E-mail: sales@sonultra.com
Website: http://www.sonultra.com

Sonultra Corporation’s newly patented technology can help grow and manage your practice. New ultrasound reporting and imaging solutions for mobile and satellite expansion, virtual access, picture archiving and communication system, hyperspectral imaging system, radiology information system, and electronic medical record system integration continue to enhance the 25+ years of solutions we have provided to hospitals, private practices, and your colleagues. Come see our latest offerings.

Sound Ergonomics, LLC
6830 NE Bothell Way, C-236
Kenmore, WA 98028 USA
Phone: 425-489-3839
Fax: 425-489-9030
E-mail: ctoffin@soundergonomics.com
Website: http://www.soundergonomics.com

Sound Ergonomics, LLC, founded by sonographers, provides consulting services and ergonomic products for the prevention of occupational musculoskeletal disorders in allied health personnel. Our consultants have more than 60 years of combined medical imaging experience and hold graduate certificates in occupational ergonomics. We also provided services for those working in other computer-related fields. Our services include educational programs, workshops, clinical site evaluations, and exam room and computer workstation setup consultation. Our products include injury prevention compliance programs, educational and exercise videos, arm support devices, cable support arm bands and wrist supports, cardiac exam cushions, and ergonomic exam tables and seating.
Sound Technology, Inc
401 Science Park Rd
State College, PA 16801 USA
Phone: 814-234-4377
Fax: 814-234-5033
E-mail: info@sti-ultrasound.com
Website: http://www.sti-ultrasound.com

Since 1987, Sound Technology, Inc (STI), has provided medical ultrasound original equipment manufacturers with state-of-the-art ultrasound probe designs. As 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. With facilities in both State College, Pennsylvania, and Denver, Colorado, STI designs and manufactures a complete portfolio of ultrasound probes for a wide range of applications, including radiology, cardiology, obstetrics, gynecology, and surgery. During product development, STI’s engineering team works closely with our customers to exceed all technical requirements to provide optimal integration between probes and ultrasound systems as well as ergonomic solutions for the comfort of both sonographers and patients. Through continuous dedication to innovation, STI is now offering triple-matching layer probe designs. These designs are available in 2-dimensional linear, convex, and endocavity probes as well as 3-dimensional convex and endocavity probe designs. Similar in performance to single-crystal probes, STI’s cost-effective triple-matching layer probes meet the price/performance demands of both midrange and high-end ultrasound systems.

SuperSonic Imagine
Les Jardins de la Duranne, Bât E and F
510 Rue René Descartes
13857 Aix-en-Provence, France
Phone: 33-425-686-6380
E-mail: contactsusa@supersonicimagine.com
Website: http://www.supersonicimagine.com

SuperSonic Imagine is an innovative multinational imaging company that has developed a revolutionary ultrasound system: the Aixplorer. Aixplorer is an UltraFast ultrasound system with impeccable image quality and two breakthrough technologies: ShearWave elastography (SWE) and UltraFast Doppler (UFD). SWE is the only technology cleared by the Food and Drug Administration in the United States that measures shear wave velocity in real-time. SWE displays local tissue elasticity on a color-coded map, with an adjustable numeric scale in meters per second. UFD unites color flow imaging with pulsed wave Doppler. Three seconds of scanning renders high-quality flow information, ultrafast color frame rates without compromises, and complete spectral Doppler analysis.
Exhibitor Profiles

Terason Ultrasound

77 Terrace Hall Ave
Burlington, MA 01803 USA
Phone: 781-270-4143
Fax: 781-270-4145
E-mail: info@terason.com
Website: http://www.terason.com

Terason is an advanced technology company setting new standards in portable ultrasound. The all new uSmart3200T is a small, lightweight, power-packed ultrasound solution developed by sonographers for sonographers. Terason now provides a family of products that are versatile, cost-effective solutions at the point of patient care. Terason is entrusted by thousands of clinicians and partners throughout the world for ultrasound diagnosis and interventional guidance.

Texas Children’s Pavilion for Women/
Baylor College of Medicine

6651 Main St, Suite F420
Houston, TX 77031 USA
Phone: 832-303-3630
E-mail: dechase@texaschildrens.org
Website: http://www.fetal.texaschildrens.org

As one of the nation’s leaders in the diagnosis and treatment of abnormalities in unborn and newborn infants, Texas Children’s Pavilion for Women is committed to providing the best possible care and outcome for each mother, baby, and family. We provide comprehensive care to meet the needs of pregnant women, fetuses, and newborns. The physicians at Texas Children’s Pavilion for Women are recognized leaders in fetal medicine and fetal and neonatal surgery. As one of only a few centers in the United States and one of a handful internationally to provide the full spectrum of fetal therapies, Texas Children’s attracts parents from around the world seeking the ultimate in care for their unborn children.
Exhibitor Profiles

Texas Fetal Center
Booth 121

6410 Fannin, Suite 210
Houston, TX 77030 USA
Phone: 832-325-7288
Fax: 713-383-1464
E-mail: texasfetalcenter@memorialhermann.org
Website: http://www.texasfetalcenter.org

The Texas Fetal Center at Children’s Memorial Hermann Hospital and the University of Texas Health Science Center at Houston (UTHealth) Medical School is a leader in providing diagnosis, treatment, and complete care for mothers with high-risk pregnancies and babies with congenital anomalies or genetic conditions. The multidisciplinary team is the most experienced at providing comprehensive fetal diagnosis and intervention in the Southwest, and its members are world leaders in laser ablation for twin-twin transfusion syndrome, performing more than 300 laser ablation cases, and performed the first fetal spina bifida repair in the region. The team is the first extracorporeal membrane oxygenation center in Texas and also the first in Texas to perform the ex-utero intrapartum treatment procedure. The center is a national leader in research studies, being one of only 8 centers nationally to be included in the National Institute of Child Health and Human Development Network. The center, located in the Texas Medical Center, is a collaboration between Children’s Memorial Hermann Hospital and UTHealth Medical School. To learn more about the Texas Fetal Center, visit www.texasfetalcenter.org.

Toshiba America Medical Systems, Inc
Booth 510

2441 Michelle Dr
Tustin, CA 92780 USA
Phone: 800-421-1968
Fax: 714-734-0362
E-mail: dkemp@tams.com
Website: http://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.
Exhibitor Profiles

**Trisonics, Inc**

Booth 214

533 Second St, Suite 1
Highspire, PA 17034 USA
Phone: 877-876-6427
Fax: 717-939-6864
E-mail: sales@trisonics.com
Website: http://www.trisonics.com

Trisonics, Inc, is your ultrasound imaging partner specializing in ultrasound service, support, systems, parts, and transducers. Our goal is to provide cost-effective solutions with an emphasis on personalized service.

**UltraLinq Healthcare Solutions, Inc**

Booth 217

236 W 30th St, 6th Floor
New York, NY 10001 USA
Phone: 800-227-2956
Fax: 888-456-9189
Website: http://www.ultralinq.com

Your image management is simplified with our cloud-based solution. UltraLinq allows you to effectively and efficiently view, report, manage, share, distribute, and archive your ultrasound studies. Delivered under a software as a service model, we eliminate the expense and complexity associated with managing a traditional PACS system, and match your program’s expenses with revenues through our simple exam pricing structure.

**Ultrasonix Medical Corporation**

Booth 312

130-4311 Viking Way
Richmond, BC V6V2K9, Canada
Phone: 604-279-8550
Fax: 604-279-8559
E-mail: marketing@ultrasonix.com
Website: http://www.ultrasonix.com

Ultrasonix develops and manufactures diagnostic ultrasound imaging systems with customizable touch screens to simplify work flows. The company’s systems are built on an open software platform that enables remote service and easy updates to keep current with advancements in imaging technology. Our full diagnostic ultrasound research systems are used at more than 200 universities and biomedical organizations around the world. Founded in 2000, Ultrasonix is a privately held company headquartered in Richmond, British Columbia, Canada.
Verinata Health, Inc
800 Saginaw Dr
Redwood City, CA 94063 USA
Phone: 650-503-5200
E-mail: info@verinata.com
Website: http://www.verinata.com

Verinata Health, Inc, is driven by a sole and extraordinary purpose—maternal and fetal health. Our initial focus is to develop and offer noninvasive tests for early identification of fetal chromosomal abnormalities using our proprietary technologies. We aim to reduce the anxiety associated with today’s multistep process, the unacceptable false-positive rates, the non-specific and sometimes confusing results of current prenatal screening methods, as well as the risk of current invasive procedures.

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

ZONARE is solely dedicated to ultrasound excellence through its innovative, software-based, next-generation Living Technology designed to meet its customers’ evolving imaging needs. The patented design and architecture of the ZONARE ultrasound platform delivers high-end image quality and clinical versatility at unparalleled value. For further information, visit www.zonare.com.
Product Listing

Computers

Computer Software
AS Software, Inc
ContextVision
Digisonics, Inc
Fetal Medicine Foundation, USA (FMF)
Imorgen Medical, LLC
Mammography Reporting Systems, Inc
Primal Pictures, Ltd

Systems
Digisonics, Inc

Consulting Services
Fetal Medicine Foundation
Gammex, Inc
GE Healthcare
Sound Ergonomics, LLC

Financial/Leasing
GE Healthcare

Repairs/Service
Gammex, Inc
GE Healthcare
Trisonics, Inc

Display Monitors
Mammography Reporting Systems, Inc

Education
Gulfcoast Ultrasound Institute, Inc
Kyoto Kagaku Co, Ltd

Accreditation
American Institute of Ultrasound in Medicine (AIUM)
American Registry for Diagnostic Medical Sonography (ARDMS)
Fetal Medicine Foundation
Intersocietal Accreditation Commission (IAC)
Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS)
Lippincott Williams & Wilkins
Mammography Reporting Systems, Inc

Certification
Lippincott Williams & Wilkins
Mammography Reporting Systems, Inc
SonoSim, Inc

Institution/Society
American Institute of Ultrasound in Medicine (AIUM)
American Society of Echocardiography (ASE)
Intersocietal Accreditation Commission (IAC)
Center for Fetal Diagnosis and Treatment at the Children’s Hospital of Philadelphia (CHOP)
Fetal Medicine Foundation, USA (FMF)
Society for Maternal-Fetal Medicine (SMFM)

Publications
American Institute of Ultrasound in Medicine (AIUM)
American Society of Echocardiography (ASE)
CAE Healthcare
Elsevier
Fetal Medicine Foundation, USA (FMF)
Primal Pictures, Ltd
Sound Ergonomics, LLC

Medical Books/Journals/Multimedia Products
American Institute of Ultrasound in Medicine (AIUM)
American Society of Echocardiography (ASE)
Fetal Medicine Foundation, USA (FMF)
Lippincott Williams & Wilkins
Primal Pictures, Ltd
Simbionix USA Corporation

Simulators
Kyoto Kagaku Co, Ltd
MedaPhor, Ltd
Simbionix USA Corporation
SonoSim, Inc
Product Listing

Software
- Fetal Medicine Foundation
- Lippincott Williams & Wilkins
- Mammography Reporting Systems, Inc
- MedaPhor, Ltd
- Primal Pictures, Ltd
- Simbionix USA Corporation
- SonoSim, Inc
- Sonultra Corporation

Training
- CIRS, Inc
- Fetal Medicine Foundation, USA (FMF)
- Lippincott Williams & Wilkins
- MedaPhor, Ltd
- Samsung Electronics America, Inc
- Simbionix USA Corporation
- SonoSim, Inc
- SonoSite, Inc
- Sound Ergonomics, LLC

Videotapes
- American Institute of Ultrasound in Medicine (AIUM)
- Lippincott Williams & Wilkins
- Sound Ergonomics, LLC

Original Equipment Manufacturer Products/Supplies
- Heritage Medical Products, Inc
- Sound Technology, Inc

Picture Archiving and Communication Systems
- AS Software, Inc
- Digisonics, Inc
- Imorgon Medical, LLC
- Mammography Reporting Systems, Inc

Acquisition Devices
- Imorgon Medical, LLC

Mini Picture Archiving and Communication Systems
- AS Software, Inc
- Imorgon Medical, LLC

Workstations
- Mammography Reporting Systems, Inc

Quality Assurance Testing Equipment
Phantoms
- ATS Laboratories, Inc
- CAE Healthcare
- CIRS, Inc
- Gammex, Inc

Research and Development
- ALPINION Medical Systems, Inc
- Center for Fetal Diagnosis and Treatment at the Children’s Hospital of Philadelphia (CHOP)
- ContextVision
- Fetal Medicine Foundation
- Lippincott Williams & Wilkins
- Ultrasonix Medical Corporation

Supplies
- GE Healthcare
- Heritage Medical Products, Inc
- Lippincott Williams & Wilkins

Amniocentesis Trays
- Cook Medical

Biopsy Equipment
- Cook Medical

Catheters
- Cook Medical

Disinfectants/Cleaners
- CIVCO Medical Solutions
- Parker Laboratories, Inc

Ergonomic Furniture/Education/Resources
- Heritage Medical Products, Inc
- Sound Ergonomics, LLC

Fume Control
- PCI Medical, Inc

Gel/Gel Warmers
- CIVCO Medical Solutions
- Parker Laboratories, Inc

Printers/Paper
- CIVCO Medical Solutions
- GE Healthcare

Probes/Supplies
- Samsung Electronics America, Inc

Sheaths
- Parker Laboratories, Inc

Tables
- Heritage Medical Products, Inc
### Product Listing

#### Transducers
- GE Healthcare
- SonoSite, Inc
- SuperSonic Imagine
- Trisonics, Inc
- ZONARE Medical Systems, Inc

#### Ultrasound Systems

##### Abdominal
- ALPINION Medical Systems, Inc
- ContextVision
- Esaote North America, Inc
- GE Healthcare
- Hitachi Aloka Medical, Ltd
- Mindray North America
- Philips Healthcare
- Samsung Electronics America, Inc
- Siemens Medical Solutions USA, Inc
- SonoSite, Inc
- SuperSonic Imagine
- Toshiba America Medical Systems, Inc
- Trisonics, Inc
- Ultrasonix Medical Corporation
- ZONARE Medical Systems, Inc

##### Bone Assessments
- ALPINION Medical Systems, Inc
- GE Healthcare
- Mammography Reporting Systems, Inc
- Philips Healthcare

##### Color Flow Doppler
- ALPINION Medical Systems, Inc
- Esaote North America, Inc
- GE Healthcare
- Hitachi Aloka Medical, Ltd
- Mindray North America
- Philips Healthcare
- Samsung Electronics America, Inc
- Siemens Medical Solutions USA, Inc
- SonoSite, Inc
- SuperSonic Imagine
- TeraSon Ultrasound
- Trisonics, Inc

##### Continuous Wave/Pulsed Wave Doppler
- ALPINION Medical Systems, Inc
- Esaote North America, Inc
- Hitachi Aloka Medical, Ltd
- Philips Healthcare
- Siemens Medical Solutions USA, Inc
- SonoSite, Inc
- TeraSon Ultrasound
- Toshiba America Medical Systems, Inc
- Trisonics, Inc
- Ultrasonix Medical Corporation
- ZONARE Medical Systems, Inc

##### Echocardiography
- ALPINION Medical Systems, Inc
- CAE Healthcare
- Esaote North America, Inc
- GE Healthcare
- Hitachi Aloka Medical, Ltd
- Philips Healthcare
- Siemens Medical Solutions USA, Inc
- SonoSite, Inc
- SuperSonic Imagine
- TeraSon Ultrasound
- Trisonics, Inc

##### Handheld
- Esaote North America, Inc
- Gammex, Inc
- GE Healthcare
- Hitachi Aloka Medical, Ltd
- Mindray North America
- Philips Healthcare
- Samsung Electronics America, Inc
- SonoSite, Inc
- SuperSonic Imagine
- TeraSon Ultrasound
- Trisonics, Inc

##### Harmonic Imaging
- ALPINION Medical Systems, Inc
- GE Healthcare
- Hitachi Aloka Medical, Ltd
- Philips Healthcare
- Samsung Electronics America, Inc
- Siemens Medical Solutions USA, Inc
- SonoSite, Inc
- SuperSonic Imagine
Product Listing

Terason Ultrasound
Toshiba America Medical Systems, Inc
Trisonics, Inc
Ultrasonix Medical Corporation

Real-time Compound Imaging
ALPINION Medical Systems, Inc
GE Healthcare
Hitachi Aloka Medical, Ltd
Samsung Electronics America, Inc
Siemens Medical Solutions USA, Inc
SuperSonic Imagine
Terason Ultrasound
Toshiba America Medical Systems, Inc
Ultrasonix Medical Corporation

Intracavitary
GE Healthcare
Philips Healthcare
SonoSite, Inc
SuperSonic Imagine
Toshiba America Medical Systems, Inc
Trisonics, Inc
ZONARE Medical Systems, Inc

Refurbished
GE Healthcare
Samsung Electronics America, Inc
Trisonics, Inc

Laparoscopic
GE Healthcare
Hitachi Aloka Medical, Ltd

Small Parts
ALPINION Medical Systems, Inc
CAE Healthcare
ContextVision
Esaote North America, Inc
Gammex, Inc
GE Healthcare
Hitachi Aloka Medical, Ltd
Samsung Electronics America, Inc
Siemens Medical Solutions USA, Inc
SonoSite, Inc
SuperSonic Imagine
Terason Ultrasound
Toshiba America Medical Systems, Inc
Trisonics, Inc
Ultrasonix Medical Corporation
ZONARE Medical Systems, Inc

Obstetric/Gynecologic
ALPINION Medical Systems, Inc
AS Software, Inc
CAE Healthcare
ContextVision
Esaote North America, Inc
GE Healthcare
Hitachi Aloka Medical, Ltd
Mammography Reporting Systems, Inc
MedaPhor, Ltd
Mindray North America
Philips Healthcare
Samsung Electronics America, Inc
Siemens Medical Solutions USA, Inc
SonoSite, Inc
Terason Ultrasound
Toshiba America Medical Systems, Inc
Trisonics, Inc
Ultrasonix Medical Corporation
ZONARE Medical Systems, Inc

Three-Dimensional
ALPINION Medical Systems, Inc
ContextVision
Esaote North America, Inc
GE Healthcare
Hitachi Aloka Medical, Ltd
Mindray North America
Philips Healthcare
Samsung Electronics America, Inc
Siemens Medical Solutions USA, Inc
Toshiba America Medical Systems, Inc
Trisonics, Inc
Ultrasonix Medical Corporation
ZONARE Medical Systems, Inc

Preowned
GE Healthcare
Samsung Electronics America, Inc
Siemens Medical Solutions USA, Inc
Trisonics, Inc
ZONARE Medical Systems, Inc
Product Listing

Transcranial
ALPINION Medical Systems, Inc
GE Healthcare
Hitachi Aloka Medical, Ltd
Philips Healthcare
Siemens Medical Solutions USA, Inc
SonoSite, Inc
Toshiba America Medical Systems, Inc
ZONARE Medical Systems, Inc

Urologic
ALPINION Medical Systems, Inc
Esaote North America, Inc
GE Healthcare
Hitachi Aloka Medical, Ltd
Mindray North America
Samsung Electronics America, Inc
Siemens Medical Solutions USA, Inc
SuperSonic Imagine
Terason Ultrasound
Toshiba America Medical Systems, Inc
Trisonics, Inc
Ultrasonix Medical Corporation

Vascular
ALPINION Medical Systems, Inc
ContextVision
Esaote North America, Inc
GE Healthcare
Hitachi Aloka Medical, Ltd
Mammography Reporting Systems, Inc
Mindray North America

Philips Healthcare
Siemens Medical Solutions USA, Inc
SonoSite, Inc
SuperSonic Imagine
Terason Ultrasound
Toshiba America Medical Systems, Inc
Trisonics, Inc
Ultrasonix Medical Corporation
ZONARE Medical Systems, Inc

Veterinary
Esaote North America, Inc
GE Healthcare
Hitachi Aloka Medical, Ltd
Mindray North America
Philips Healthcare
Samsung Electronics America, Inc
Siemens Medical Solutions USA, Inc
SonoSite, Inc
Trisonics, Inc
Ultrasonix Medical Corporation
ZONARE Medical Systems, Inc

Ultrasound-Guided Devices
Interventional
GE Healthcare
Mindray North America
Philips Healthcare
Siemens Medical Solutions USA, Inc
Terason Ultrasound
Ultrasonix Medical Corporation
ZONARE Medical Systems, Inc
KNOWING WHAT TO LOOK FOR MAY NOT BE EASY. KNOWING WHERE TO LOOK FOR HELP IS.

A recent Management of Myelomeningocele (MOMS) trial published in the *New England Journal of Medicine* indicates in utero repair of spina bifida has significant benefits to the child over standard neonatal repair – depending on the candidate.

Texas Children’s Fetal Center has developed extensive screening and diagnostic algorithms to determine which patients meet key criteria for fetal repair of spina bifida. Our team has considerable experience in fetal surgical techniques for a wide variety of disorders, including myelomeningocele, while simultaneously offering access to one of the nation’s best children’s hospitals.

Send us your toughest patients. We’re known for delivering.

Learn more: [women.texaschildrens.org/fetalnews](http://women.texaschildrens.org/fetalnews) or 1-877-FetalRx

*Prenatal surgical repair results in reduced incidence or severity of potentially devastating neurologic effects caused by the spine’s exposure to amniotic fluid.*
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