Beyond Plus

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# Table of Contents

Schedule at a Glance ................................................................. 2  
General Information .............................................................. 4  
Symbol Key ............................................................................. 7  
Special Interest Tracks ............................................................ 8  
Community of Practice and Interest Group Meeting Schedule ... 18  
Committee Meeting Schedule .................................................. 19  
CME Credit Information ........................................................... 20  
Educational Opportunities ....................................................... 22  
Commercial Support Disclosures ............................................ 23  
AIUM Leadership .................................................................. 24  
2012 Annual Convention Committee ....................................... 25  
JW Marriott Desert Ridge Resort & Spa Maps ......................... 26  
Case-of-the-Day Challenges .................................................... 28  

**Preconvention Program • Thursday, March 29**  
Preconvention Program ............................................................ 31  

**Convention • Friday, March 30**  
Friday Convention Program ...................................................... 37  
Opening/Awards Session ......................................................... 40  

**Convention • Saturday, March 31**  
Saturday Convention Program .................................................. 53  
New Investigator Session ......................................................... 72  

**Convention • Sunday, April 1**  
Sunday Convention Program .................................................... 99  

**Scientific E-Poster Sessions**  
Meet the E-Poster Authors and Awards ..................................... 123  
Saturday .................................................................................. 124  
Sunday ..................................................................................... 129  

**Community of Practice and Interest Group Meetings**  
Schedule at a Glance ..........TAB  
Communities of Practice and Interest Groups ......................... 137  
Community of Practice Meeting Agendas ............................... 138  
Interest Group Meeting Agendas ............................................. 153  

**Exhibit Information**  
2012 Exhibitors ................................................................. TAB  
Exhibit Hall Floor Plan ............................................................ TAB  
Exhibitors by Booth Number .................................................. 161  
Exhibitor Profiles ................................................................. 162  
Product Listing ..................................................................... 179
Schedule at a Glance

Thursday, March 29, 2012
7:30 AM–4:30 PM Preconvention Program
5:00 PM–6:30 PM Presidential Reception for New Members and Leadership (by invitation only)

Friday, March 30, 2012 Convention Begins
8:00 AM–9:00 AM Just Images and Comprehensive Refresher Sessions
9:15 AM–11:30 AM Opening/Awards Session
11:30 AM–1:00 PM Grand Opening Luncheon in the Exhibit Hall
1:00 PM–3:00 PM Accreditation “Getting Started” Workshop
1:00 PM–3:00 PM Special Interest Sessions
1:00 PM–3:00 PM Hands-on Special Interest Session
3:30 PM–5:00 PM Special Interest Sessions
3:30 PM–5:00 PM Hands-on Special Interest Session

Saturday, March 31, 2012
7:00 AM–8:00 AM Just Images and Comprehensive Refresher Sessions
8:00 AM–10:00 AM Three- and Four-Dimensional Volume Data
  Set Manipulation: Obstetrics
8:15 AM–9:45 AM Special Interest Sessions
9:45 AM–10:15 AM Refreshment Break in the Exhibit Hall
10:15 AM–11:45 AM Oral Sessions
10:15 AM–11:45 AM New Investigator Session
10:15 AM–11:45 AM Special Interest Session
10:15 AM–11:45 AM Hands-on Special Interest Session
10:30 AM–12:30 PM Three- and Four-Dimensional Volume Data
  Set Manipulation: Fetal Echocardiography
11:45 AM–1:00 PM Lunch in the Exhibit Hall
1:00 PM–2:30 PM Scientific E-Poster Discussions
1:00 PM–2:30 PM Special Interest Sessions
1:00 PM–2:30 PM Hands-on Special Interest Session
1:00 PM–3:00 PM Three- and Four-Dimensional Volume Data
  Set Manipulation: Gynecology
2:45 PM–3:45 PM Oral Sessions
2:45 PM–3:45 PM Special Interest Session
3:30 PM–5:30 PM Three- and Four-Dimensional Volume Data
  Set Manipulation: Obstetrics
3:45 PM–4:15 PM Refreshment Break in the Exhibit Hall
4:15 PM–5:15 PM Film Panel Sessions
4:15 PM–5:15 PM Special Interest Sessions
7:00 PM–11:00 PM Leadership Banquet (by invitation only)
Sunday, April 1, 2012

7:00 AM–8:00 AM  Just Images and Comprehensive Refresher Sessions
8:15 AM–10:15 AM  Special Interest Sessions
8:15 AM–10:15 AM  Hands-on Special Interest Session
10:15 AM–10:45 AM  Refreshment Break in the Exhibit Hall
10:45 AM–12:30 PM  Oral Sessions
10:45 AM–12:30 PM  Hands-on Special Interest Session
12:30 PM–1:30 PM  Lunch in the Exhibit Hall
12:30 PM–1:30 PM  Scientific E-Poster Discussions
1:30 PM–3:30 PM  Special Interest Sessions
1:30 PM–3:30 PM  Hands-on Special Interest Session
3:45 PM–4:15 PM  AIUM Business Meeting
4:30 PM–7:00 PM  Board of Governors Meeting

Make time for lunch and refreshment breaks in the Exhibit Hall

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

Saturday, March 31
Refreshment Break  9:45 AM–10:15 AM
Lunch  11:45 AM–1:00 PM
Refreshment Break  3:45 PM–4:15 PM

Sunday, April 1
Refreshment Break  10:15 AM–10:45 AM
Lunch  12:30 PM–1:30 PM

The 2012 AIUM Annual Convention is supported in part by unrestricted educational grants from GE Healthcare and Samsung Medison America, Inc.
General Information

Speaker Ready Room
Pinnacle Peak 1 • Level 2/Lobby Level
Wednesday, March 28 1:00 PM–5:00 PM
Thursday, March 29 6:00 AM–5:00 PM
Friday, March 30 7:00 AM–5:30 PM
Saturday, March 31 6:00 AM–5:45 PM
Sunday, April 1 6:00 AM–4:00 PM

Registration Hours
Ballroom Foyer • Level 1
Thursday, March 29 6:00 AM–4:00 PM
Friday, March 30 7:00 AM–4:30 PM
Saturday, March 31 6:00 AM–5:00 PM
Sunday, April 1 6:00 AM–4:00 PM

Exhibit and Press Registration Hours
Ballroom Foyer • Level 1
Thursday, March 29 7:30 AM–5:00 PM
Friday, March 30 8:00 AM–4:30 PM
Saturday, March 31 9:00 AM–4:30 PM
Sunday, April 1 9:00 AM–2:00 PM

Exhibit Hall Hours
Grand Saguaro Ballroom • Level 1
Friday, March 30 11:30 AM–4:30 PM
Grand Opening Luncheon 11:30 AM–1:00 PM
Saturday, March 31 9:00 AM–4:30 PM
Refreshment Break 9:45 AM–10:15 AM
Lunch 11:45 AM–1:00 PM
Refreshment Break 3:45 PM–4:15 PM
Sunday, April 1 9:00 AM–2:00 PM
Refreshment Break 10:15 AM–10:45 AM
Lunch 12:30 PM–1:30 PM

AIUM Office Hours
Wildflower Ballroom A • Level 2/Lobby Level
Thursday, March 29 12:00 PM–4:30 PM
Friday, March 30 7:30 AM–4:30 PM
Saturday, March 31 7:30 AM–4:30 PM
Sunday, April 1 7:30 AM–2:00 PM

AIUM Resource Center and Accreditation Booth Hours
Ballroom Foyer • Level 1
Thursday, March 29 8:00 AM–4:30 PM
Friday, March 30 8:00 AM–4:30 PM
Saturday, March 31 8:00 AM–4:30 PM
Sunday, April 1 8:00 AM–2:00 PM
Convention Registration Fees

Convention registration fees cover attendance to all sessions held Friday, March 30, through Sunday, April 1, 2012 (except the Three- and Four-Dimensional Volume Data Set Manipulation sessions and Hands-on Special Interest sessions).

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 of 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 children. 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.

Videotaping and Photography Policy

The AIUM does not allow any unauthorized videotaping or photography during the AIUM Annual Convention and Preconvention Program except by management and its designed agents.

The AIUM reserves the right to photograph or videotape any exhibit 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 AIUM Annual Convention and Preconvention Program will be casual. Feel free to dress comfortably, in slacks, polo shirts, and, most importantly, comfortable shoes. Please note that meeting rooms are air-conditioned, so prepare for all temperatures.

Fragrance

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

Smoking Policy

The JW Marriott Desert Ridge Resort and Spa is a 100% smoke-free environment.

Cell Phone

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 Thursday through Sunday.
**Hotel Information**

JW Marriott Desert Ridge Resort and Spa
5350 E Marriott Dr
Phoenix, Arizona 85054 USA
480-293-5000
www.jwdesertridgeresort.com

Although many organizations and associations use an outside travel agency to negotiate contracts, the AIUM negotiates its own contracts, and any rebates are paid directly to the AIUM. Income from rebates allows the AIUM to offset expenses and provided enhanced services to attendees. Free self-parking and complimentary Internet included in room rate.

**Business Center**

The JW Marriott Desert Ridge Resort and Spa has a business center located on Level 2/Lobby Level next to the retail shops. Please contact the hotel for hours of business.

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**Customize Your 2012 AIUM Annual Convention Experience With the New Convention App!**

Now the AIUM Annual Convention is easier to navigate with the help of the new 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, video, spec sheets, and more.

**Download the Convention App on Apple, Android, or Blackberry mobile devices and tablets!**

Refer to the information in your registration bag for details.
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

Special Interest Tracks

ALL Applicable to All Attendees
BSI Basic Science and Instrumentation
CARDIO Cardiovascular Ultrasound
CEUS Contrast-Enhanced Ultrasound
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

www.aium.org
Special Interest Tracks

Applicable to all attendees

Basic Science and Instrumentation

- Clinical Applications of Quantitative Ultrasonography ........ SAT
- Contrast-Enhanced Ultrasound: Nonhepatic Applications ....... SAT
- Hands-on Applications of Therapeutic Ultrasound:
  Enhanced Tissue Perfusion and Tumor Ablation ................. SUN
- High-Frequency Vascular Imaging, Part 1 ................. SAT
- High-Frequency Vascular Imaging, Part 2 ................. SAT
- Maintaining Advanced Quality With Fiscal Responsibility .... SUN
- Molecular Imaging ............................................ FRI
- Portable Ultrasound: Technology in Point-of-Care Ultrasound . SAT
- Preclinical Small-Animal Studies ................................ SUN
- Quantitative Ultrasound: What We Can Measure .......... SAT
- Shear Wave Imaging ............................................ FRI
- The Food and Drug Administration and Ultrasound
  Contrast: Where We Stand and How You Can Use
  Contrast in Your Practice .................................... FRI
- Ultrasound Bioeffects for the Practitioner: This Could
  Happen to You ................................................. SAT
- Ultrasound Image-Guided Therapy ............................... SUN

Cardiovascular Ultrasound

- Complications of Vascular Interventions ....................... SAT
- Comprehensive Review of Major Congenital Heart Disease
  From a Multidisciplinary Perspective ........................ THURS
- Correlation of Computed Tomographic Angiography,
  Magnetic Resonance Angiography, and Ultrasound .......... SAT
- Diagnosing and Treating Venous Disease ................. SUN
- Fetal Cardiac Unknown (Complex) ......................... SAT
- Fetal Cardiac Unknown (Simple) ............................. FRI
- Hands-on Carotid and Transcranial Doppler Ultrasound . . . . FRI
- High-Frequency Vascular Imaging, Part 1 ................. SAT
- High-Frequency Vascular Imaging, Part 2 ................. SAT
- Maintaining Advanced Quality With Fiscal Responsibility .... SUN
- Multidisciplinary Approach to Diagnosing and Treating
  Carotid Disease ................................................. SAT
- Registered Physician in Vascular Interpretation Review .... THURS
- Renal Artery Doppler Evaluation .............................. SUN
- Technical Faux Pas ............................................. FRI

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- Transplant Imaging ........................................... SUN
- Ultrasound Bioeffects for the Practitioner: This Could Happen to You .................................. SAT

**Contrast-Enhanced Ultrasound**
- Contrast-Enhanced Ultrasound: Applications in the Liver and Abdominal Transplants ....................... SUN
- Contrast-Enhanced Ultrasound: Nonhepatic Applications .......................................................... SAT
- Infertility and Reproductive Medicine .......................... THURS
- Maintaining Advanced Quality With Fiscal Responsibility .................................................. SUN
- Molecular Imaging ........................................... FRI
- The Food and Drug Administration and Ultrasound Contrast: Where We Stand and How You Can Use Contrast in Your Practice ........................................ FRI
- Ultrasound Bioeffects for the Practitioner: This Could Happen to You .................................. SAT

**Emergency and Critical Care Ultrasound**
- Abdominal Doppler Ultrasound ................................ FRI
- Complications of Vascular Interventions ....................................... SAT
- Designing and Implementing Point-of-Care Ultrasound Research From Basic to Advanced: What Areas Are Key to Study? ......................................... SUN
- Emergency and Critical Care Ultrasound Practice in the World ........................................ SAT
- Emergency Department Presentations of Acute Scrotal and Pelvic Pain ......................................... FRI
- Maintaining Advanced Quality With Fiscal Responsibility ........................................ SUN
- Point-Counterpoint: What Is the Role of Ultrasound in the Diagnosis of Acute Appendicitis? ............. SAT
- Point-of-Care Ultrasound Education Through Simulator Use: How to, What Is Available, Current Strategies, and Future Developments ........................................ SAT
- Point-of-Care Ultrasound in the Evaluation and Treatment of the Unstable Patient ............................ THURS
- Portable Ultrasound: Technology in Point-of-Care Ultrasound ........................................ SAT
- Pregnancies in Unusual Places .................................... SUN
- Sonographic Evaluation of the Emergent Pediatric Patient ........................................ THURS
- Sonography of Pediatric Musculoskeletal Lesions .......................................................... SAT
- Stretching the Protocol .......................................... FRI
- Teach the Teacher, Part 1 ...................................... FRI
- Teach the Teacher, Part 2 ...................................... FRI
- Thoracic Ultrasound in the Emergency and Critical Care Patient ........................................ SUN
- Ultrasound Bioeffects for the Practitioner: This Could Happen to You .................................. SAT
- Ultrasound-Guided Vascular Access .......................... FRI
Fetal Echocardiography

- Comprehensive Review of Major Congenital Heart Disease From a Multidisciplinary Perspective
- Evaluation of Fetal Cardiac Function: Live Demonstration
- Fetal Cardiac Anomalies: 3- and 4-Dimensional Cases
- Fetal Cardiac Unknown (Complex)
- Fetal Cardiac Unknown (Simple)
- Maintaining Advanced Quality With Fiscal Responsibility
- Should Cardiac Measurements Be Obtained Routinely When Evaluating the Fetal Heart?
- Three- and Four-Dimensional Volume Data Set Manipulation: Fetal Echocardiography
- Ultrasound Bioeffects for the Practitioner: This Could Happen to You
- Ultrasound Survivors: Prognosis and Counseling in Fetal Anomalies

General and Abdominal Ultrasound

- Abdominal Doppler Ultrasound
- Breast Ultrasound and Biopsy Techniques
- Clinical Applications of Quantitative Ultrasonography
- Complications of Vascular Interventions
- Comprehensive Musculoskeletal Ultrasound
- Congenital Anomalies (With Audience Response)
- Contrast-Enhanced Ultrasound: Applications in the Liver and Abdominal Transplants
- Contrast-Enhanced Ultrasound: Nonhepatic Applications
- Correlation of Computed Tomographic Angiography, Magnetic Resonance Angiography, and Ultrasound
- Cutting-Edge Musculoskeletal Ultrasound
- Designing and Implementing Point-of-Care Ultrasound Research From Basic to Advanced: What Areas Are Key to Study?
- Diagnosing and Treating Venous Disease
- Distinguishing Between Suspicious and Nonsuspicious Adnexal Masses Combining Ultrasound, Computed Tomography, and Magnetic Resonance Imaging
- Emergency and Critical Care Ultrasound Practice in the World
- Emergency Department Presentations of Acute Scrotal and Pelvic Pain
- Evaluation of Fetal Cardiac Function: Live Demonstration
- Evaluation of Pelvic Pain: Can Ultrasound Do It All?
- Focus on Dynamic Musculoskeletal Ultrasound Imaging
- General Ultrasound—Film Panel Session
- Gynecologic Ultrasound—Film Panel Session
- Hepatobiliary Imaging
- Hands-on Applications of Therapeutic Ultrasound: Enhanced Tissue Perfusion and Tumor Ablation
- Hands-on Carotid and Transcranial Doppler Ultrasound . . . .  FRI
- Hands-on: How to Do the Biopsy ...............................  SUN
- High-Frequency Vascular Imaging, Part 1 ....................  SAT
- High-Frequency Vascular Imaging, Part 2 ....................  SAT
- Interesting Cases in Interventional and Intraoperative Ultrasound .................................................  SAT
- Interesting Cases in the Pediatric Neck .......................  SUN
- Just Images: Pediatric Masses .................................  SAT
- Legal Issues for the Sonographer: Are You Vulnerable? ......  SAT
- Liver Doppler Evaluation ........................................  SAT
- Maintaining Advanced Quality With Fiscal Responsibility ....  SUN
- Molecular Imaging ................................................  FRI
- Multidisciplinary Approach to Diagnosing and Treating Carotid Disease ...................................................  SAT
- Musculoskeletal Ultrasound of the Knee, Ankle, and Foot ...  SAT
- Newborn Neurosonography in the Acute Care Setting ........  SUN
- New Techniques in Biopsy Combined With New Materials ....  SUN
- Nonfetal Obstetrics: Placenta, Membranes, and Cervix ......  SUN
- Obstetric Doppler Ultrasound ...................................  FRI
- Obstetric Ultrasound—Film Panel Session ....................  SAT
- Point-Counterpoint: What Is the Role of Ultrasound in the Diagnosis of Acute Appendicitis? ..................  SAT
- Point-of-Care Ultrasound Education Through Simulator Use: How to, What Is Available, Current Strategies, and Future Developments ...........................................  SAT
- Point-of-Care Ultrasound in the Evaluation and Treatment of the Unstable Patient ............................  THURS
- Portable Ultrasound: Technology in Point-of-Care Ultrasound .  SAT
- Pregnancies in Unusual Places ..................................  SUN
- Quantitative Ultrasound: What We Can Measure .............  SAT
- Renal Artery Doppler Evaluation ..............................  SUN
- Should Cardiac Measurements Be Obtained Routinely When Evaluating the Fetal Heart? .........................  SUN
- Sonographic Evaluation of the Emergent Pediatric Patient ....  THURS
- Sonography of Pediatric Musculoskeletal Lesions .............  SAT
- Sonography of Perinatal Malformations of the Neonatal Abdomen .......................................................  FRI
- Sonography of the Neonatal Abdomen ..........................  FRI
- Stretching the Protocol ..........................................  FRI
- Teach the Teacher, Part 1 ......................................  FRI
- Teach the Teacher, Part 2 ......................................  FRI
- Technical Faux Pas ..............................................  FRI
- The Food and Drug Administration and Ultrasound Contrast: Where We Stand and How You Can Use Contrast in Your Practice ...........................................  FRI
- Three- and Four-Dimensional Volume Data Set Manipulation: Gynecology ............................................  SAT
Special Interest Tracks

- Three- and Four-Dimensional Volume Data Set Manipulation: Obstetrics (PM) .................................. SAT
- Three-Dimensional Abdominal Ultrasound .......................................................... THURS
- Thyroid Imaging .......................................................... SAT
- Transplant Imaging ................................................................................. SUN
- Two- and Three-Dimensional Transperineal Sonography of Pelvic Floor Disorders: An Overview ............................................ THURS
- Ultrasound Bioeffects for the Practitioner: This Could Happen to You ............................................ SAT
- Ultrasound-Guided Vascular Access .............................................................. FRI
- Ultrasound of Hernias and the Hip ................................................................. SUN
- Unknown Cases ............................................................................................ SAT
- Ultrasound Image-Guided Therapy ............................................................. SUN
- Update on Fetal and Neonatal Neurosonography ..................................... FRI

Gynecologic Ultrasound

- Distinguishing Between Suspicious and Nonsuspicious Adnexal Masses Combining Ultrasound, Computed Tomography, and Magnetic Resonance Imaging ......................................................... FRI
- Evaluation of Pelvic Pain: Can Ultrasound Do It All? ................................ SAT
- Gynecologic Ultrasound—Film Panel Session ........................................ SAT
- Gynecology: Beginners Only ................................................................. FRI
- Infertility and Reproductive Medicine .................................................... THURS
- Legal Issues for the Sonographer: Are You Vulnerable? ................... SAT
- Maintaining Advanced Quality With Fiscal Responsibility ................... SUN
- Point-of-Care Ultrasound Education Through Simulator Use: How to, What Is Available, Current Strategies, and Future Developments ......................................................... SAT
- Portable Ultrasound: Technology in Point-of-Care Ultrasound ............................................ SAT
- Pregnancies in Unusual Places ............................................................... SUN
- Teach the Teacher, Part 1 .......................................................................... FRI
- Teach the Teacher, Part 2 .......................................................................... FRI
- Three- and Four-Dimensional Volume Data Set Manipulation: Gynecology .......................................................... SAT
- Two- and Three-Dimensional Transperineal Sonography of Pelvic Floor Disorders: An Overview ............................................ THURS
- Ultrasound Bioeffects for the Practitioner: This Could Happen to You ............................................ SAT

High-Frequency Clinical and Preclinical Imaging

- Hands-on Applications of Therapeutic Ultrasound: Enhanced Tissue Perfusion and Tumor Ablation .................................. SUN
- High-Frequency Vascular Imaging, Part 1 ................................................ SAT
- High-Frequency Vascular Imaging, Part 2 ................................................ SAT
- Maintaining Advanced Quality With Fiscal Responsibility ............... SUN
- Molecular Imaging ..................................................................................... FRI
• Preclinical Small-Animal Studies ........................................... Sun
• Ultrasound Bioeffects for the Practitioner: This Could Happen to You .................................................. Sat

Interventional-Intraoperative Ultrasound

• Complications of Vascular Interventions ............................... Sat
• Designing and Implementing Point-of-Care Ultrasound Research From Basic to Advanced: What Areas Are Key to Study? .......................... Sun
• Focus on Dynamic Musculoskeletal Ultrasound Imaging .......... Fri
• Hands-on: How to Do the Biopsy ............................................ Fri
• Interesting Cases in Interventional and Intraoperative Ultrasound .......................................................................... Sat
• Maintaining Advanced Quality With Fiscal Responsibility .... Sun
• New Techniques in Biopsy Combined With New Materials .... Sun
• Thoracic Ultrasound in the Emergency and Critical Care Patient .......................................................... Sun
• Ultrasound Bioeffects for the Practitioner: This Could Happen to You .................................................. Sat
• Ultrasound-Guided Vascular Access ..................................... Fri

Musculoskeletal Ultrasound

• Comprehensive Musculoskeletal Ultrasound ........................ Thurs
• Cutting-Edge Musculoskeletal Ultrasound ............................ Fri
• Focus on Dynamic Musculoskeletal Ultrasound Imaging ........ Fri
• Interesting Cases in the Pediatric Neck ................................. Sun
• Maintaining Advanced Quality With Fiscal Responsibility .... Sun
• Musculoskeletal Ultrasound of the Knee, Ankle, and Foot .... Sat
• Point-of-Care Ultrasound Education Through Simulator Use: How to, What Is Available, Current Strategies, and Future Developments ........................................ Sat
• Portable Ultrasound: Technology in Point-of-Care Ultrasound .......................................................... Sat
• Sonography of Pediatric Musculoskeletal Lesions .................. Sat
• Teach the Teacher, Part 1 ..................................................... Fri
• Teach the Teacher, Part 2 ..................................................... Fri
• Ultrasound Bioeffects for the Practitioner: This Could Happen to You .................................................. Sat
• Ultrasound of Hernias and the Hip ....................................... Sun

Neurosonology

• Hands-on Carotid and Transcranial Doppler Ultrasound ........ Fri
• Maintaining Advanced Quality With Fiscal Responsibility .... Sun
• Newborn Neurosonography in the Acute Care Setting ........ Sun
• Ultrasound Bioeffects for the Practitioner: This Could Happen to You .................................................. Sat
• Update on Fetal and Neonatal Neurosonography ................. Fri
**Obstetric Ultrasound**

- Advanced Obstetric Ultrasound ....................................... **SUN**
- Basic Obstetric Ultrasound ............................................... **SUN**
- Comprehensive Review of Major Congenital Heart Disease From a Multidisciplinary Perspective ......................... **THURS**
- Congenital Anomalies (With Audience Response) .............. **SAT**
- Ethics in Obstetric Ultrasound and Breaking Bad News .... **SAT**
- Evaluation of Fetal Cardiac Function: Live Demonstration .... **SUN**
- Fetal Cardiac Anomalies: 3- and 4-Dimensional Cases ....... **SUN**
- Fetal Cardiac Unknown (Complex) .................................. **SAT**
- Fetal Cardiac Unknown (Simple) ...................................... **FRI**
- First- Versus Second-Trimester Fetal Anatomy Survey ........ **SAT**
- Gynecology: Beginners Only .......................................... **FRI**
- Infertility and Reproductive Medicine ............................ **THURS**
- Legal Issues for the Sonographer: Are You Vulnerable? ...... **SAT**
- Maintaining Advanced Quality With Fiscal Responsibility ... **SUN**
- Multiple Gestations ....................................................... **FRI**
- Nonfetal Obstetrics: Placenta, Membranes, and Cervix ...... **SUN**
- Obstetric Doppler Ultrasound ........................................ **FRI**
- Obstetric Doppler Ultrasound: Case Studies— Diagnosis and Management ...................................................... **THURS**
- Obstetric Ultrasound—Film Panel Session ....................... **SAT**
- Point-of-Care Ultrasound Education Through Simulator Use: How to, What Is Available, Current Strategies, and Future Developments .................................................. **SAT**
- Portable Ultrasound: Technology in Point-of-Care Ultrasound ............... **SAT**
- Pregnancies in Unusual Places ..................................... **SUN**
- Should Cardiac Measurements Be Obtained Routinely When Evaluating the Fetal Heart? ................................. **SUN**
- Sonography of the Spine in the Perinatal and Postnatal Periods .......... **SAT**
- Teach the Teacher, Part 1 ............................................. **FRI**
- Teach the Teacher, Part 2 ............................................. **FRI**
- Three- and Four-Dimensional Volume Data Set Manipulation: Fetal Echocardiography .................................. **SAT**
- Three- and Four-Dimensional Volume Data Set Manipulation: Obstetrics (AM) .................................................. **SAT**
- Three- and Four-Dimensional Volume Data Set Manipulation: Obstetrics (PM) .................................................. **SAT**
- Ultrasound Bioeffects for the Practitioner: This Could Happen to You ..................................................... **SAT**
- Ultrasound Survivors: Prognosis and Counseling in Fetal Anomalies ......................................................... **FRI**
- Update on Fetal and Neonatal Neurosonography ................ **FRI**
**Pediatric Ultrasound**

- Comprehensive Review of Major Congenital Heart Disease From a Multidisciplinary Perspective  
  **THURS**
- Ethics in Obstetric Ultrasound and Breaking Bad News  
  **SAT**
- Fetal Cardiac Unknown (Complex)  
  **SAT**
- Fetal Cardiac Unknown (Simple)  
  **FRI**
- Interesting Cases in the Pediatric Neck  
  **SUN**
- Just Images: Pediatric Masses  
  **SAT**
- Maintaining Advanced Quality With Fiscal Responsibility  
  **SUN**
- Newborn Neurosonography in the Acute Care Setting  
  **SUN**
- Sonographic Evaluation of the Emergent Pediatric Patient  
  **THURS**
- Sonography of Pediatric Musculoskeletal Lesions  
  **SAT**
- Sonography of Perinatal Malformations of the Neonatal Abdomen  
  **FRI**
- Sonography of the Neonatal Abdomen  
  **FRI**
- Sonography of the Spine in the Perinatal and Postnatal Periods  
  **SAT**
- Stretching the Protocol  
  **FRI**
- Ultrasound Bioeffects for the Practitioner: This Could Happen to You  
  **SAT**
- Ultrasound Survivors: Prognosis and Counseling in Fetal Anomalies  
  **FRI**
- Update on Fetal and Neonatal Neurosonography  
  **FRI**

**Sonography**

- Abdominal Doppler Ultrasound  
  **FRI**
- Advanced Obstetric Ultrasound  
  **SUN**
- Basic Obstetric Ultrasound  
  **SUN**
- Breast Ultrasound and Biopsy Techniques  
  **SAT**
- Complications of Vascular Interventions  
  **SAT**
- Comprehensive Musculoskeletal Ultrasound  
  **THURS**
- Comprehensive Review of Major Congenital Heart Disease From a Multidisciplinary Perspective  
  **THURS**
- Congenital Anomalies (With Audience Response)  
  **SAT**
- Contrast-Enhanced Ultrasound: Applications in the Liver and Abdominal Transplants  
  **SUN**
- Contrast-Enhanced Ultrasound: Nonhepatic Applications  
  **SAT**
- Correlation of Computed Tomographic Angiography, Magnetic Resonance Angiography, and Ultrasound  
  **SAT**
- Cutting-Edge Musculoskeletal Ultrasound  
  **FRI**
- Diagnosing and Treating Venous Disease  
  **SUN**
- Distinguishing Between Suspicious and Nonsuspicious Adnexal Masses Combining Ultrasound, Computed Tomography, and Magnetic Resonance Imaging  
  **FRI**
- Emergency and Critical Care Ultrasound Practice in the World  
  **SAT**
• Emergency Department Presentations of Acute Scrotal and Pelvic Pain ............................................. Fri
• Ethics in Obstetric Ultrasound and Breaking Bad News .................................................. Sat
• Evaluation of Fetal Cardiac Function: Live Demonstration ........................................... Sun
• Evaluation of Pelvic Pain: Can Ultrasound Do It All? ................................................... Sat
• Fetal Cardiac Anomalies: 3- and 4-Dimensional Cases ................................................ Sun
• Fetal Cardiac Unknown (Complex) .................................................................................. Sat
• Fetal Cardiac Unknown (Simple) ....................................................................................... Fri
• First-Versus Second-Trimester Fetal Anatomy Survey ................................................ Sat
• Focus on Dynamic Musculoskeletal Ultrasound Imaging ........................................... Fri
• General Ultrasound—Film Panel Session ........................................................................ Sat
• Gynecologic Ultrasound—Film Panel Session .................................................................. Sat
• Gynecology: Beginners Only .......................................................................................... Fri
• Hepatobiliary Imaging ....................................................................................................... Sun
• Hands-on Carotid and Transcranial Doppler Ultrasound ......................................... Fri
• Infertility and Reproductive Medicine ............................................................................ Thurs
• Interesting Cases in Interventional and Intraoperative Ultrasound ................................... Sat
• Interesting Cases in the Pediatric Neck ............................................................................. Sun
• Just Images: Pediatric Masses .......................................................................................... Sat
• Legal Issues for the Sonographer: Are You Vulnerable? ............................................ Sat
• Liver Doppler Evaluation ................................................................................................. Sat
• Maintaining Advanced Quality With Fiscal Responsibility ......................................... Sun
• Molecular Imaging ............................................................................................................. Fri
• Multidisciplinary Approach to Diagnosing and Treating Carotid Disease .................... Sat
• Multiple Gestations ........................................................................................................... Fri
• Musculoskeletal Ultrasound of the Knee, Ankle, and Foot ......................................... Sat
• Newborn Neurosonography in the Acute Care Setting ................................................. Sun
• New Techniques in Biopsy Combined With New Materials ......................................... Sun
• Nonfetal Obstetrics: Placenta, Membranes, and Cervix ............................................. Sun
• Obstetric Doppler Ultrasound ........................................................................................ Fri
• Obstetric Doppler Ultrasound: Case Studies—Diagnosis and Management ................... Thurs
• Obstetric Ultrasound—Film Panel Session ...................................................................... Sat
• Point-Counterpoint: What Is the Role of Ultrasound in the Diagnosis of Acute Appendicitis? ........................................................................................................ Sat
• Point-of-Care Ultrasound Education Through Simulator Use: How to, What Is Available, Current Strategies, and Future Developments ....................................................... Sat
• Point-of-Care Ultrasound in the Evaluation and Treatment of the Unstable Patient .................... Thurs
• Portable Ultrasound: Technology in Point-of-Care Ultrasound ................................ Sun
• Pregnancies in Unusual Places ........................................................................................ Sun
• Quantitative Ultrasound: What We Can Measure ........................................................... Sat
• Renal Artery Doppler Evaluation ........................................... SUN
• Should Cardiac Measurements Be Obtained Routinely
  When Evaluating the Fetal Heart? ....................................... SUN
• Sonographic Evaluation of the Emergent Pediatric Patient .... THURS
• Sonography of Pediatric Musculoskeletal Lesions ............... SAT
• Sonography of Perinatal Malformations of the
  Neonatal Abdomen ......................................................... FRI
• Sonography of the Neonatal Abdomen ................................ FRI
• Sonography of the Spine in the Perinatal and Postnatal Periods . SAT
• Stretching the Protocol ..................................................... FRI
• Teach the Teacher, Part 1 .................................................. FRI
• Teach the Teacher, Part 2 .................................................. FRI
• Technical Faux Pas .......................................................... FRI
• Thoracic Ultrasound in the Emergency and
  Critical Care Patient ...................................................... SUN
• Three- and Four-Dimensional Volume Data Set
  Manipulation: Fetal Echocardiography ................................ SAT
• Three- and Four-Dimensional Volume Data Set
  Manipulation: Gynecology .............................................. SAT
• Three- and Four-Dimensional Volume Data Set
  Manipulation: Obstetrics (AM) ...................................... SAT
• Three- and Four-Dimensional Volume Data Set
  Manipulation: Obstetrics (PM) ...................................... SAT
• Three-Dimensional Abdominal Ultrasound ....................... THURS
• Thyroid Imaging ............................................................. SAT
• Transplant Imaging ........................................................ SUND
• Two- and Three-Dimensional Transperineal Sonography of
  Pelvic Floor Disorders: An Overview .............................. THURS
• Ultrasound Bioeffects for the Practitioner: This Could
  Happen to You ............................................................... SAT
• Ultrasound Image-Guided Therapy .................................... SUN
• Ultrasound of Hernias and the Hip ................................... SUN
• Ultrasound Survivors: Prognosis and Counseling in
  Fetal Anomalies ............................................................ FRI
• Unknown Cases ............................................................. SAT
• Update on Fetal and Neonatal Neurosonography ............. FRI

**Therapeutic Ultrasound**

• Contrast-Enhanced Ultrasound: Nonhepatic Applications ........ SAT
• Hands-on Applications of Therapeutic Ultrasound:
  Enhanced Tissue Perfusion and Tumor Ablation ............ SUN
• Maintaining Advanced Quality With Fiscal Responsibility .... SUN
• Ultrasound Bioeffects for the Practitioner: This Could
  Happen to You ............................................................... SAT
• Ultrasound Image-Guided Therapy ....................................... SUN
Community of Practice and Interest Group Meeting Schedule

Friday, March 30

8:00 AM–9:00 AM  Basic Science and Instrumentation
Desert Suites IV–VI • Level 2
General and Abdominal Ultrasound
Desert Suites III–V • Level 2

Saturday, March 31

8:15 AM–9:00 AM  Pediatric Ultrasound
Grand Sonoran A–B • Level 1
8:15 AM–9:45 AM  Gynecologic Ultrasound
Grand Sonoran F • Level 1
Musculoskeletal Ultrasound
Grand Sonoran C–D • Level 1
9:00 AM–9:45 AM  Neurosonology
Grand Sonoran A–B • Level 1
9:45 AM–10:15 AM  Therapeutic Ultrasound
Grand Sonoran H–I • Level 1
12:00 PM–1:00 PM  Cardiovascular Ultrasound
Grand Sonoran G • Level 1
Contrast-Enhanced Ultrasound
Grand Sonoran H–I • Level 1
Obstetric Ultrasound
Grand Sonoran F • Level 1
3:45 PM–4:15 PM  High-Frequency Clinical and Preclinical Imaging
Grand Sonoran H–I • Level 1
Sonography
Grand Sonoran G • Level 1
4:15 PM–5:15 PM  Emergency and Critical Care Ultrasound
Grand Sonoran C–D • Level 1
Fetal Echocardiography
Grand Sonoran J–K • Level 1
Interventional-Intraoperative Ultrasound
Grand Canyon 4–5 • Level 1

Sunday, April 1

9:00 AM–10:00 AM  Ultrasound in Medical Education Interest Group
Desert Suite II • Level 2
10:00 AM–11:00 AM  Ultrasound in Global Health Interest Group
Desert Suite III • Level 2
11:00 AM–12:00 PM  Elastography Interest Group
Desert Suite II • Level 2

See Community Meetings tab for Community of Practice and Interest Group meeting agendas.
# Committee Meeting Schedule

## Wednesday, March 28

<table>
<thead>
<tr>
<th>Time</th>
<th>Committee</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:00 PM–6:00 PM</td>
<td>Output Standards Subcommittee</td>
<td>Desert Suite III • Level 2</td>
</tr>
<tr>
<td>7:00 PM–9:00 PM</td>
<td>International Electrotechnical Commission Subcommittee</td>
<td>Desert Suite III • Level 2</td>
</tr>
</tbody>
</table>

## Thursday, March 29

<table>
<thead>
<tr>
<th>Time</th>
<th>Committee</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM–2:00 PM</td>
<td>Bioeffects Committee</td>
<td>Desert Suite VII • Level 2</td>
</tr>
<tr>
<td>11:30 AM–1:00 PM</td>
<td>Annual Convention Committee</td>
<td>Desert Suite VI • Level 2</td>
</tr>
<tr>
<td>2:00 PM–4:00 PM</td>
<td>Finance and Executive Committee</td>
<td>President Boardroom • Level 2</td>
</tr>
<tr>
<td>2:00 PM–6:00 PM</td>
<td>Technical Standards Committee</td>
<td>Desert Suite VII • Level 2</td>
</tr>
<tr>
<td>7:00 PM–9:00 PM</td>
<td>Technical Standards Subcommittee</td>
<td>Desert Suite VII • Level 2</td>
</tr>
</tbody>
</table>

## Friday, March 30

<table>
<thead>
<tr>
<th>Time</th>
<th>Committee</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 PM–3:00 PM</td>
<td>Membership Committee</td>
<td>Desert Suite II • Level 2</td>
</tr>
<tr>
<td>3:30 PM–5:30 PM</td>
<td>Ultrasound Practice Accreditation Council</td>
<td>Desert Suite VII • Level 2</td>
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</table>

## Saturday, March 31

<table>
<thead>
<tr>
<th>Time</th>
<th>Committee</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM–8:00 AM</td>
<td>Journal of Ultrasound in Medicine Subspecialty Editors Committee</td>
<td>Desert Suite II • Level 2</td>
</tr>
<tr>
<td>8:00 AM–9:30 AM</td>
<td>Continuing Medical Education Committee</td>
<td>Desert Suite IV • Level 2</td>
</tr>
<tr>
<td>10:15 AM–11:45 AM</td>
<td>Clinical Standards Committee</td>
<td>Desert Suite VI • Level 2</td>
</tr>
<tr>
<td>12:00 PM–1:00 PM</td>
<td>Presidential Advisory Council</td>
<td>Suite 6311</td>
</tr>
<tr>
<td>2:45 PM–3:45 PM</td>
<td>Web Education Committee</td>
<td>Desert Suite VI • Level 2</td>
</tr>
<tr>
<td>4:15 PM–5:15 PM</td>
<td>Endowment for Education and Research Committee</td>
<td>Desert Suite VIII • Level 2</td>
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</table>

## Sunday, April 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Committee</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>7:00 AM–8:00 AM</td>
<td>Journal of Ultrasound in Medicine Editorial Board</td>
<td>Desert Suite IV–VI • Level 2</td>
</tr>
<tr>
<td>8:15 AM–9:15 AM</td>
<td>Exhibitor Advisory Council</td>
<td>Desert Suite VIII • Level 2</td>
</tr>
<tr>
<td>9:15 AM–10:15 AM</td>
<td>Sound Judgment-Clinical Vignette Task Force Committee</td>
<td>Desert Suite VII • Level 2</td>
</tr>
<tr>
<td>12:30 PM–1:30 PM</td>
<td>Community of Practice Council</td>
<td>Desert Suites IV–VI • Level 2</td>
</tr>
<tr>
<td>1:30 PM–3:30 PM</td>
<td>Executive Committee</td>
<td>President Boardroom • Level 2</td>
</tr>
<tr>
<td>3:45 PM–4:15 PM</td>
<td>Business Meeting</td>
<td>Wildflower C • Level 2</td>
</tr>
<tr>
<td>4:30 PM–7:00 PM</td>
<td>Board of Governors</td>
<td>Desert Suite IV–VI • Level 2</td>
</tr>
</tbody>
</table>
Continuing Medical Education (CME) Credit Information

Activity Description
The 2012 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 (ACCME) to provide CME activities for physicians.

Designation Statement
The AIUM designates 2012 Preconvention Program for a maximum of up to 7.5 AMA PRA Category 1 Credits™. The AIUM designates the 2012 Annual Convention for a maximum of up to 24.75 AMA PRA Category 1 Credits™. Physicians should claim only those credits commensurate with the extent of their participation in the activity.

Credit 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 Credits™.

American Registry of Radiologic Technologists (ARRT)
The AIUM is a Recognized Continuing Education Evaluation Mechanism (RCEEM) for the 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
Upon 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 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 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 regulation 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. All disclosures are printed in the 2012 Annual Convention Official Proceedings under the speaker’s name. 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. Separate registration fee.

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

- **Comprehensive Refresher Sessions**—Comprehensive Refresher sessions are venues for luminary speakers to present an overall review of a topic. These sessions run 1 hour each morning.

- **Hands-on Special Interest Sessions**—Participate in sessions covering basic and advanced obstetrics, emergency ultrasound, musculoskeletal ultrasound, and transcranial Doppler ultrasound. The cost for these sessions is $25 each. Space is limited.

- **Back by Popular Demand! Three- and Four-Dimensional Volume Data Set Manipulation Sessions**—Participate in small-group sessions led by renowned ultrasound professionals. Space is limited. Three- and Four-Dimensional Volume Data Set Manipulation sessions are not included in convention registration fee. The cost for these sessions is $25 each.

- **Oral Sessions**—Learn about the latest research in ultrasound in concise 7-minute presentations.

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

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

- **New Format! Scientific E-Posters**—All scientific posters presented are displayed on large monitors. Peruse a variety of posters throughout the convention. Don’t forget to attend the poster discussions on Saturday at 12:00 PM and Sunday at 12:30 PM.

- **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.
Disclosure of Commercial Support for
the 2012 AIUM Annual Convention

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Thomas Shipp, MD

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Diana Gray, MD

Three- and Four-Dimensional Volume Data Set Manipulation Course Chair
Jacques Abramowicz, MD

New Investigator Session Cochairs
Arthur Fleischer, MD
Elisa Konofagou, PhD

Preconvention Program Cochairs
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Misty Blanchette Porter, MD
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Beth Kline-Fath, MD
E. Rebecca Pschirrer, MD
Ilan Timor-Tritsch, MD
Lami Yeo, MD
JW Marriott Desert Ridge Resort and Spa

Property Map
Case-of-the-Day Challenges

Cochairs

Bhargavi Patel, MD, MBA
Department of Radiology
University of Illinois
Chicago, Illinois

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

Cases submitted by

Lisa Allen, BS, RDMS, RDCS, RVT
Department of Obstetrics and Gynecology
Division of Maternal-Fetal Medicine
The Regional Perinatal Center
State University of New York (SUNY)
Upstate Medical University
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Chitra Chandrasekhar, MD
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Raj Mohan Paspulati, MD
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Case Western Reserve University
Cleveland, Ohio

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Chicago, Illinois

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Birmingham, Alabama

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University of Illinois
Chicago, Illinois

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

Sean Zivin, MD
Department of Radiology
University of Illinois
Chicago, Illinois

Look for

Case-of-the-Day Challenges
in the Ballroom Foyer

Test your abilities each day by diagnosing unique case studies.

Case-of-the-Day Challenges are supported in part by Parker Laboratories, Inc.

www.aium.org
**Thursday, March 29**

**Preconvention Program**

*Separate registration required.*

## Schedule at a Glance

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 AM–4:00 PM</td>
<td>Registration Open</td>
</tr>
<tr>
<td>7:00 AM–7:30 AM</td>
<td>Preconvention Program Breakfast</td>
</tr>
<tr>
<td>7:30 AM–11:30 AM</td>
<td>Comprehensive Review of Major Congenital Heart Disease From a Multidisciplinary Perspective</td>
</tr>
<tr>
<td></td>
<td>Infertility and Reproductive Medicine</td>
</tr>
<tr>
<td>7:30 AM–4:30 PM</td>
<td>Comprehensive Musculoskeletal Ultrasound</td>
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<tr>
<td></td>
<td>Point-of-Care Ultrasound in the Evaluation and Treatment of the Unstable Patient</td>
</tr>
<tr>
<td>7:30 AM–5:00 PM</td>
<td>Registered Physician in Vascular Interpretation Review</td>
</tr>
<tr>
<td>8:00 AM–2:00 PM</td>
<td>Bioeffects Committee Meeting</td>
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<td>11:30 AM–1:00 PM</td>
<td>Annual Convention Committee Meeting</td>
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<td>1:00 PM–4:30 PM</td>
<td>Obstetric Doppler Ultrasound: Case Studies—Diagnosis and Management</td>
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<tr>
<td></td>
<td>Sonographic Evaluation of the Emergent Pediatric Patient</td>
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<td>Three-Dimensional Abdominal Ultrasound</td>
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<td></td>
<td>Two- and Three-Dimensional Transperineal Sonography of Pelvic Floor Disorders: An Overview</td>
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<td>2:00 PM–4:00 PM</td>
<td>Finance and Executive Committee Meeting</td>
</tr>
<tr>
<td>2:00 PM–6:00 PM</td>
<td>Technical Standards Committee Meeting</td>
</tr>
<tr>
<td>5:00 PM–6:30 PM</td>
<td>Presidential Reception for New Members and Leadership (by invitation only)</td>
</tr>
<tr>
<td>7:00 PM–9:00 PM</td>
<td>Technical Standards Subcommittee Meeting</td>
</tr>
</tbody>
</table>
In Appreciation

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

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

The AIUM is grateful to the companies listed below for their support in 2011.

**Platinum Level**
($50,000 and above)
GE Healthcare
Philips Healthcare
Samsung Medison America, Inc

**Gold Level**
($25,000–$49,999)
Hitachi Aloka Medical, Ltd
Parker Laboratories, Inc
Texas Children’s Fetal Center

**Silver Level**
($10,000–$24,999)
American Registry for Diagnostic Medical Sonography (ARDMS)
AS Software, Inc
Center for Fetal Diagnosis and Treatment at the Children’s Hospital of Philadelphia (CHOP)
Digisonics, Inc
Siemens Medical Solutions USA, Inc
Toshiba America Medical Systems, Inc
Ultrasonix Medical Corporation

**Bronze Level**
($5,000–$9,999)
ALPINION Medical Systems, Inc
Biocell Center Corporation
CIVCO Medical Solutions
The Fetal Medicine Foundation
Heritage Medical Products, Inc
Medical Soft, Inc
SonoSite, Inc
ZONARE Medical Systems, Inc

**Copper Level**
($1,000–$4,999)
AFC Industries, Inc
Alere, Inc
American Express Company
ATS Laboratories Inc
BLC Invent
California Department of Public Health/Gene...
CIRS, Inc
ContextVision AB
Cook Medical
CooperSurgical, Inc
Echometrix, LLC
Esatoe North America, Inc
Femasys, Inc
Fetal Echocardiography
FUS Instruments, Inc
Gammex, Inc
Gulfcoast Ultrasound Institute, Inc
imorgon Medical, LLC
Kyoto Kagaku Company, Ltd
Lippincott Williams & Wilkins
Medical Positioning, Inc
Medstreaming
PCI Medical, Inc
Pharmaceutical Innovations, Inc
QSUM Biopsy Disposables, LLC
Saunders/Mosby-Elsevier
Simulab Corporation
SOMA Access Systems, LLC
SonoCine, Inc
SonoScape Company, Ltd
Sonultra Corporation
Sound Ergonomics, LLC
Sound Technology, Inc
SuperSonic Imagine
The Thyroid Center of New Hampshire
TomTec Imaging Systems GmbH
UltraLinx Healthcare Solutions, Inc
Verasonics, Inc
VisualSonics, Inc
Wake Forest University School of Medicine

The AIUM is grateful to the companies listed below for their support in 2011.

Preconvention Thursday, March 29
FP CoversTabs.qxp:Tab1-Thurs-Preconvention 2/23/12 10:48 AM Page 2
Preconvention Program Breakfast
7:00 AM–7:30 AM
Breakfast will be provided outside in the foyer of the Grand Canyon Ballroom.

Morning Half-Day Courses
7:30 AM–11:30 AM
Each half-day course is equal to 3.5 AMA PRA Category 1 Credits™ (accepted by the ARDMS) or ARRT Category A Credits.

Comprehensive Review of Major Congenital Heart Disease From a Multidisciplinary Perspective
Grand Canyon 6
Moderators: Mark Sklansky, MD, and Lami Yeo, MD
Speakers: Ray Bahado-Singh, MD, Norman Silverman, MD, Mark Sklansky, MD, and Lami Yeo, MD
This course will review major types of congenital heart disease (CHD) from a multidisciplinary perspective. The types of CHD that will be reviewed are tetralogy of Fallot, hypoplastic left heart syndrome, transposition of the great arteries, coarctation of the aorta, atrioventricular septal defect, and ventricular septal defect.

Infertility and Reproductive Medicine
Grand Canyon 7
Moderator: Misty Blanchette Porter, MD
Speakers: Misty Blanchette Porter, MD, Elizabeth Puscheck, MD, MS, and James Shwayder, MD, JD
This course will discuss uterine anomalies, fallopian tube imaging (2- and 3-dimensional contrast materials), endometriosis, and ectopic gestation.

If You Don’t Tell Us, How Will We Know?
Complete Your Evaluation Form!
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.

An e-mail will be sent to you to complete the convention evaluation.
Afternoon Half-Day Courses
1:00 PM–5:00 PM
Each half-day course is equal to 3.5 AMA PRA Category 1 Credits™ (accepted by the ARDMS) or ARRT Category A Credits.

Obstetric Doppler Ultrasound: Case Studies—Diagnosis and Management
Grand Canyon 6
Moderator: Henry Galan, MD
Speakers: Henry Galan, MD, Giancarlo Mari, MD, and Shane Reeves, MD
The objective of this course is to review the use of Doppler ultrasound in obstetrics. The course will focus on the clinical application and case management of Doppler waveforms.

Sonographic Evaluation of the Emergent Pediatric Patient
Grand Canyon 1–2
Moderator: Beth Kline-Fath, MD
Speakers: Harris L. Cohen, MD, Brian Coley, MD, Steven Kraus, MD, Leann Linam, MD, Martha Munden, MD, and Sara O’Hara, MD
This course will review the use of sonography in the evaluation of the chest, abdomen, pelvis, and musculoskeletal system in the pediatric patient with acute pain.

Three-Dimensional Abdominal Ultrasound
Grand Canyon 3–5
Moderators: Nirvikar Dahiya, MD, and Franklin Tessler, MD, CM
Speakers: Nirvikar Dahiya, MD, Jennifer McDowell, MM, RVT, RDMS, RT, and Franklin Tessler, MD, CM
This course will describe the technique of 3-dimensional ultrasound imaging, the pitfalls of the technique, and the applications and their interpretation in the abdomen.

Two- and Three-Dimensional Transperineal Sonography of Pelvic Floor Disorders: An Overview
Grand Canyon 7
Moderator: Arthur Fleischer, MD
Speakers: Arthur Fleischer, MD, Ana Monteagudo, MD, RDMS, and Ilan Timor-Tritsch, MD
This course will familiarize attendees with new imaging methods aimed at evaluating the pelvic floor, such as the anterior compartment with its urogynecologic aspects; the posterior compartment, including the anal sphincter, rectovaginal septum, and anal sphincter mechanism; new trends in evaluating the urogenital hiatus; and avulsion of the puborectalis muscle by 3-dimensional ultrasound techniques.
Full-Day Courses
7:30 AM–5:00 PM
Earn up to 7.5 AMA PRA Category 1 Credits™ (accepted by the ARDMS) or ARRT Category A Credits.

Comprehensive Musculoskeletal Ultrasound
Grand Canyon 8
Moderator: Jon Jacobson, MD
Speakers: Nathalie Bureau, MD, J. Antonio Bouffard, MD, Joseph Craig, MB, ChB, Jon Jacobson, MD, Humberto Rosas, MD, and Colin Strickland, MD
This course will provide instructions on how and when to perform musculoskeletal ultrasound examinations to evaluate the shoulder, elbow, wrist, hip, knee, foot, and ankle.

Point-of-Care Ultrasound in the Evaluation and Treatment of the Unstable Patient
Grand Canyon 9–11
Moderator: Bret Nelson, MD, RDMS
Speakers: Srikar Adhikari, MD, MS, RDMS, Robert Arntfield, MD, Betty Chang, MD, RDMS, Gerardo Chirico, MD, Anthony Dean, MD, Eitan Dickman, MD, Rajesh Geria, MD, RDMS, Christopher Moore, MD, RDMS, RDCS, and Bret Nelson, MD, RDMS
This course will discuss the clinical ultrasound diagnostic approach to the unstable patient presenting to the emergency department or in an intensive care unit, surgical suite, or hospital floor. Systematic approaches and complaint-based pathology will be discussed. Ultrasound guidance for specific critical interventions will be discussed at key junctures to create a comprehensive approach to evaluating, diagnosing, and treating these critically ill patients.

Registered Physician in Vascular Interpretation Review
Grand Canyon 12–13
Moderators: John Blebea, MD, M. Robert De Jong, RDMS, RDCS, RVT, and Leslie Scoutt, MD
Speakers: Andrei Alexandrov, MD, RVT, Phillip Bendick, PhD, George Berdejo, BA, RVT, John Blebea, MD, M. Robert De Jong, RDMS, RDCS, RVT, Richard Fowl, MD, Ulrike Hamper, MD, Anil Hingorani, MD, Salvatore LaRusso, MEd, RDMS, RT(R), John Pellerito, MD, Patricia Poe, BA, RVT, Deborah Rubens, MD, Leslie Scoutt, MD, Vincent Rowe, MD, and William Zang, RDMS, RVT

(continued)
Registered Physician in Vascular Interpretation Review
(continued)

This course will help physicians taking the Registered Physician in Vascular Interpretation (RVPI) examination review the current American Registry for Diagnostic Medical Sonography outline to help them prepare and pass the RVPI examination. By the end of this course, participants should be able to discuss Doppler and gray scale instrumentation and artifacts, discuss the anatomy of both the intracranial and extracranial cerebrovascular anatomy, describe the various testing methods related to noninvasive vascular imaging, and describe the various methods used to determine the presence of vascular disease using duplex imaging.

8:00 AM–6:00 PM
Committee Meetings

8:00 AM–2:00 PM  Bioeffects Committee
Desert Suite VII

11:30 AM–1:00 PM  Annual Convention Committee
Desert Suite VI

2:00 PM–4:00 PM  Finance and Executive Committee
President Boardroom

2:00 PM–6:00 PM  Technical Standards Committee
Desert Suite VII

7:00 PM–9:00 PM  Technical Standards Subcommittee
Desert Suite VII

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

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

www.ultrasoundfirst.org
**Convention**

**Schedule at a Glance**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM–4:00 PM</td>
<td>Registration Open</td>
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<tr>
<td>8:00 AM–9:00 AM</td>
<td>Just Images and Comprehensive Refresher Sessions</td>
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<tr>
<td>9:15 AM–11:30 AM</td>
<td>Opening/Awards Session</td>
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<tr>
<td>11:30 AM–1:00 PM</td>
<td>Grand Opening Luncheon in the Exhibit Hall</td>
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<td>1:00 PM–3:00 PM</td>
<td>Accreditation “Getting Started” Workshop</td>
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<td>1:00 PM–3:00 PM</td>
<td>Special Interest Sessions</td>
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<td>Hands-on Special Interest Session</td>
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<td>1:30 PM–3:00 PM</td>
<td>Membership Committee Meeting</td>
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<tr>
<td>3:30 PM–5:00 PM</td>
<td>Special Interest Sessions</td>
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<td></td>
<td>Hands-on Special Interest Session</td>
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<tr>
<td>3:30 PM–5:30 PM</td>
<td>Ultrasound Practice Accreditation Council Meeting</td>
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See Community Meetings tab for Community of Practice meeting times.
GE Healthcare

What’s new?

Please visit GE Healthcare exhibit #205 to experience new and exciting ultrasound innovations designed to meet your needs.

• Voluson E8 Expert HDlive advanced rendering for Women’s Health imaging
• LOGIQ S8 General Imaging system suited to your needs and your budget
• Venue 40 intuitive Point of Care ultrasound now with high-resolution imaging
• ViewPoint 6 enhanced ultrasound reporting and image management solution

For more information please contact your GE sales representative, visit gehealthcare.com/ultrasound or call (888) 202-5288.
8:00 AM–9:00 AM
Just Images and Comprehensive Refresher Sessions

Emergency Department Presentations of Acute Scrotal and Pelvic Pain
Grand Sonoran E

Moderator: Leslie Scoutt, MD
Speakers: Harris L. Cohen, MD, and Regina Hooley, MD
This session will present cases with images of various clinical presentations of acute scrotal and pelvic pain seen by emergency physicians in the emergency department. The pathology and clinical history will include a wide variety of presentations from benign to potential organ losing and life threatening. Correlations with potential litigation liability will be discussed when indicated.

Fetal Cardiac Unknown (Simple)
Grand Canyon 6

Moderator: Julia Drose, BA, RT, RDMS, RVT, RDCS
Speakers: Lisa Allen, BS, RDMS, RDGS, RVT, Julia Drose, BA, RT, RDMS, RVT, RDGS, and Miwa Geiger, MD
The objective of this session is to view and discuss cases of simple fetal cardiac abnormalities that are initially not known and how to make the diagnosis.

Focus on Dynamic Musculoskeletal Ultrasound Imaging
Grand Canyon 8

Moderator: Kenneth Lee, MD
Speakers: David Fessell, MD, Jon Jacobson, MD, Kenneth Lee, MD, Levon Nazarian, MD, and Ralf Thiele, MD
Know when and how to use dynamic imaging of the musculoskeletal system, including evaluation of joints and masses and for interventional procedures.

Sonography of Perinatal Malformations of the Neonatal Abdomen
Grand Canyon 3–5

Moderator: Leann Linam, MD
Speakers: Maria Calvo-Garcia, MD, Beth Kline-Fath, MD, and Leann Linam, MD
This session is designed to correlate ultrasound imaging of common perinatal malformations of the abdomen, stressing neoplastic, cystic, and developmental lesions, including those corresponding to situs.
Stretching the Protocol
Grand Sonoran H-I
Moderator: James Pennington, RDMS, RVS
Speakers: M. Robert De Jong, RDCS, RDMS, RVT, David Jackson, MD, and Lawrence Platt, MD
This session is designed to view anatomic approaches in case-based studies that extend beyond common protocols.

Technical Faux Pas
Grand Canyon 9–13
Moderator: Tricia Turner, BS, RDMS, RVT
Speakers: Joshua Cruz, RDMS, RVT, Ulrike Hamper, MD, and Salvatore LaRusso, MEd, RDMS, RT(R)
This session is designed to review various vascular cases with technical issues.

The Food and Drug Administration and Ultrasound Contrast: Where We Stand and How You Can Use Contrast in Your Practice
Grand Sonoran J–K
Moderator: Wui Chong, MD
This session will describe the current status of ultrasound contrast in the US Food and Drug Administration approval process, ongoing clinical trials, and ways of using contrast off label and obtaining funding.

8:00 AM–8:30 AM  The State of Ultrasound Contrast: A Food and Drug Administration Update
Lennard Greenbaum, MD

8:30 AM–9:00 AM  Off-Label and Clinical Trials: How You Can Use Contrast in Your Ultrasound Practice Today
Richard Barr, MD, PhD

Ultrasound Survivors: Prognosis and Counseling in Fetal Anomalies
Grand Canyon 7
Moderator: Dolores Pretorius, MD
Speakers: Deborah D’Agostini, RDMS, Luis Gonçalves, MD, and Dolores Pretorius, MD
The objective of this session is to present pairs of similar-appearing ultrasound cases, with different diagnoses and different prognoses, and to engage the audience in discussion and debate on how to counsel patients and families.
Update on Fetal and Neonatal Neurosonography

Grand Canyon 1–2

Moderator: Dorothy Bulas, MD

Speakers: Dorothy Bulas, MD, and Michael DiPietro, MD

This session is designed to review the important features of central nervous system disease detected on prenatal and neonatal sonography.

8:00 AM–9:00 AM
Community of Practice Meetings

BSI Basic Science and Instrumentation
Desert Suites IV–VI

G&A General and Abdominal Ultrasound
Desert Suites III–V

AIUM RESOURCE CENTER

Ballroom Foyer • Level 1

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

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

Thursday, March 29 8:00 AM–4:30 PM
Friday, March 30 8:00 AM–4:30 PM
Saturday, March 31 8:00 AM–4:30 PM
Sunday, April 1 8:00 AM–2:00 PM
William J. Fry Memorial Lecture Award

“Backscatter Versus Specular Reflection”
Joshua Copel, MD

The William J. Fry Memorial Lecture Award was established by Joseph H. Holmes, MD, in 1969 and presented for the first time at the AIUM Annual Convention in Winnipeg, Canada, that year. William J. Fry, MS, was a physicist with a strong interest in ultrasound in biology and medicine whose innovative research efforts advanced the field of medical ultrasound. One of Professor Fry's most notable contributions was the successful design of an ultrasonic system used to pinpoint lesions in the brain without damaging adjacent tissues. This ultrasonic system was later used to treat various brain pathologies and, in particular, Parkinson disease. His impassioned interest in ultrasound led him to become president of the AIUM from 1966 until his death in 1968. The following year, the William J. Fry Memorial Lecture Award, recognizing a current or retired AIUM member who has significantly contributed in his or her particular field to the scientific progress of medical ultrasound, was established in his honor.

Joseph H. Holmes Clinical and Basic Science Pioneer Awards

Clinical: Stephanie Wilson, MD
Basic Science: Charles Church, PhD

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

J. Oscar Barahona, BS, RDMS

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

Honorary Fellow Awards

David Evans, PhD
Brian Trudinger, MD

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

Memorial Hall of Fame Award

Charles Kleinman, MD (1947–2011)
Wesley L. Nyborg, PhD (1917–2011)
David Robinson, DSc (1939–2010)
Michael Wainstock, MD (1916–2010)

Established in 1981, the Memorial Hall of Fame serves as a posthumous tribute to a creative and devoted physician, research scientist, sonographer or other individual who has been an active member of the AIUM and contributed to the field of ultrasound in medicine.

Endowment for Education and Research (EER) Grant Awards

Recipients to be announced.
**Plenary Session**

**Medical Education: Ultrasonography as a Basic Clinical Competency**

*Richard Hoppmann, MD*

Dr. Hoppmann is president of the Society of Ultrasound in Medical Education (SUSME) and dean of the University of South Carolina School of Medicine. He is a pioneer in the integration of ultrasound into medical education.

The objectives of this session are to identify the value of ultrasound as an effective teaching tool in multiple basic science courses and clinical rotations and to identify the value of ultrasonography as an important clinical skill across many specialties and subspecialties of medicine and in numerous clinical scenarios.

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**Related Sessions You Won’t Want to Miss:**

- **Teach the Teacher Special Interest Sessions, Part 1 and Part 2**
  See pages 45 and 50 for more information.
- **Ultrasound in Medical Education Interest Group Meeting**
  See page 156 for the meeting agenda.

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**11:30 AM–1:00 PM**

**Grand Opening Luncheon in the Exhibit Hall**

*Grand Saguaro Ballroom*

After the Opening/Awards Session, 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.

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**Wireless Internet Access in the Exhibit Hall**

Access code: AIUM12

Wireless Internet Access in the Exhibit Hall is supported in part by GE Healthcare.
1:00 PM–3:00 PM

Accreditation “Getting Started” Workshop
Grand Canyon 1–2
Paula Woletz, MPH, RDMS, RDCS

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, and thyroid/parathyroid ultrasound.

Demonstrate that your practice meets the quality assurance requirements of a growing number of insurance companies with AIUM practice accreditation.

Learn more about AIUM ultrasound practice accreditation at the Accreditation Booth in the Ballroom Foyer, Level 1. Accreditation staff are available to answer your questions.

1:00 PM–3:00 PM

Special Interest Sessions

Cutting-Edge Musculoskeletal Ultrasound
Grand Canyon 8
Moderator: Levon Nazarian, MD

Know how and when to perform cutting-edge musculoskeletal techniques, including elastography, compound imaging, tissue harmonics, and contrast-enhanced sonography.

1:00 PM–1:22 PM  Elastography: Applications in Musculoskeletal Ultrasound
Levon Nazarian, MD

1:22 PM–1:46 PM  Fusion Imaging: Computed Tomography/Magnetic Resonance Fusion With Ultrasound for Procedure Guidance
Joseph Craig, MD

1:46 PM–2:08 PM  Shoulder Steroid Injections: “Blind” Versus Ultrasound Guided
David Fessell, MD

2:08 PM–2:30 PM  The Future of Musculoskeletal Ultrasound From a Physicist’s Perspective
Tomy Varghese, PhD

2:30 PM–2:52 PM  Platelet-Rich Plasma Injections
Kenneth Lee, MD

2:52 PM–3:00 PM  Questions and Answers

www.aium.org
Distinguishing Between Suspicious and Nonsuspicious Adnexal Masses
Combining Ultrasound, Computed Tomography, and Magnetic Resonance Imaging

Grand Canyon 6

Moderator: Sherelle Laifer-Narin, MD

In the diagnostic workup of the female patient presenting with pelvic pain, ultrasound of the pelvis is usually the initial imaging study performed. Pertinent positive and negative findings then dictate the course of the patient’s management and treatment. Often, additional imaging studies are required, including computed tomography and magnetic resonance imaging. In this course, we will discuss imaging findings suggestive of non-neoplastic and neoplastic disease and will demonstrate the complementary use of these modalities in diagnosing pelvic infection, pelvic masses, and nongynecologic disease processes that mimic gynecologic pathology. Case studies will be presented, with appropriate diagnostic pathways outlined.

1:00 PM–1:40 PM
Abdominopelvic Pain: Nonovarian Pathology
Jill Langer, MD

1:40 PM–2:20 PM
Ultrasound Findings in the Evaluation of Suspicious and Nonsuspicious Ovarian Masses
Diane Twickler, MD

2:20 PM–3:00 PM
Beyond the Ultrasound Examination: Computed Tomographic and Magnetic Resonance Imaging Evaluation of the Pelvis
Sherelle Laifer-Narin, MD

Molecular Imaging

Grand Sonoran H–I

Moderator: Michael Kolios, PhD

In the past decade, ultrasound received less attention than other imaging modalities for molecular imaging. Recent developments in ultrasound contrast agent development, high-frequency ultrasound imaging hardware and imaging methods, and hybrid techniques (such as photo acoustic imaging) have changed this. The objective of this session is to review the state of the art in the use of ultrasound for molecular imaging for both clinical and preclinical applications.

1:00 PM–1:30 PM
Introduction to Ultrasound Molecular Imaging With Applications in Progenitor Cell Therapies
Howard Leong-Poi, MD

1:30 PM–2:00 PM
Ultrasound Molecular Imaging
Robert Mattrey, MD

2:00 PM–2:30 PM
Ultrasound Imaging With Targeted Contrast Agents
Joshua Rychak, PhD

2:30 PM–3:00 PM
Photoacoustic Tomography: Ultrasonically Breaking Through the Optical Diffusion Limit
Lihong Wang, PhD
Multiple Gestations

Grand Sonoran E

Moderator: Andrei Rebarber, MD

The objective of this comprehensive refresher is to review the ultrasound evaluation of both normal and abnormal multiple gestations.

1:00 PM–1:30 PM  Prediction of Preterm Birth in Multiple Gestations
                      Ashley Roman, MD

1:30 PM–2:00 PM  Growth Anomalies in Twins
                      Nathan Fox, MD

2:00 PM–2:30 PM  Update on Fetal Reductions: Procedures and Outcome
                      Lauren Ferrara, MD

2:30 PM–3:00 PM  Aneuploidy Screening in Twins
                      Andrei Rebarber, MD

Teach the Teacher, Part 1

Grand Canyon 7

Moderators: Michael Blaivas, MD, and Richard Hoppmann, MD

The objective of this session is to discuss the current state of ultrasound in medical education as well as future developments and needs. The session will cover current educational approaches and strategies in multiple venues as well as exploring ultrasound in medical education in other countries. A discussion of the current literature will allow participants to tailor their ultrasound education efforts, and speakers will propose potential models for ultrasound educational curricula in medical education.

1:00 PM–1:05 PM  Introduction
                      Alfred Abuhamad, MD

1:05 PM–1:30 PM  Overview of Ultrasound Teaching and Teaching Tools:
                          Standardized Patients, E-Tech, and E-Learning
                      David Bahner, MD, RDMS

1:30 PM–1:50 PM  Use of Simulation and Phantoms in Ultrasound Education;
                          Setting Up a Lab and Becoming Efficient
                      Vicki Noble, MD

1:50 PM–2:00 PM  Use of Point-of-Care Ultrasound in Basic Science Medical
                          Education
                      Michael Blaivas, MD

2:00 PM–2:20 PM  Staging a Meaningful Integration of Ultrasound Into a
                          Paradigm Shift in Medical School Curricula
                      Alexander Levitov, MD
**Ultrasound-Guided Vascular Access**

**Grand Canyon 9–13**

**Moderator: Vikram Dogra, MD**

This is a session designed to help medical professionals of all types who perform blind vascular access procedures to introduce ultrasound guidance into their clinical practice for both peripheral and central line placement. This session has been jointly run with the Interventional Radiology Community of Practice for the last 2 years, and both communities will do so again.

**1:00 PM–1:20 PM**  
Tips and Tricks for Ultrasound-Guided Vascular Access  
*Jason Nomura, MD*

**1:20 PM–3:00 PM**  
Hands-on Scanning  
*Betty Chang, MD, Joshua Cruz, RDMS, RVT, Gerardo Chiricolo, MD, Vikram Dogra, MD, Rajesh Geria, MD, RDMS, Ulrike Hamper, MD, Daniel Morrison, MD, Dean Nakamoto, MD, Jason Nomura, MD, Raj Mohan Paspulati, MD, John Powell, MD, Susan Smith, RDMS, RDCS, RVT, and Dennis Trigueros, MD*

**1:30 PM–3:00 PM**  
**Membership Committee Meeting**

**Desert Suite II**

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**Follow the Convention on Twitter**  
#AIUM12

Get in on the convention buzz! See what other attendees are talking about and get special updates and announcements. This year, tweeting has never been easier—Twitter is built right into the AIUM Convention App! Share your experience and what you’ve learned—it’s easy—use the hashtag #AIUM12. Each day you tweet, come by the AIUM Resource Center on Level 1 and draw for a prize (Starbucks gift cards, free merchandise, discounts on DVDs, and more—one draw per day).
3:30 PM–5:00 PM

Special Interest Sessions

Abdominal Doppler Ultrasound
Grand Canyon 6

Moderators: Vikram Dogra, MD, and Diana Gaitini, MD

This session is designed to help attendees understand the principles of transjugular intrahepatic portosystemic shunt evaluation, describe the evaluation of portal hypertension, and understand the technique of abdominal aortic aneurysm evaluation.

3:30 PM–4:00 PM
Doppler Ultrasound Evaluation of Cirrhosis and Portal Hypertension
Wui Chong, MD

4:00 PM–4:30 PM
Aorta Update 2012
Deborah Rubens, MD

4:30 PM–5:00 PM
Sonography of Transjugular Intrahepatic Portosystemic Shunts
Sharlene Teefy, MD

Gynecology: Beginners Only
Grand Canyon 8

Moderator: Ana Monteagudo, MD, RDMS

This is an absolute beginners session for residents and fellows in obstetrics and gynecology. The session will discuss knobology, safety, and how to make the best slide presentation.

3:30 PM–4:10 PM
Knobology
Ana Monteagudo, MD, RDMS

4:10 PM–4:45 PM
Basic Gynecologic Sonography
Jodi Lerner, MD

4:45 PM–5:00 PM
Questions and Answers
Hands-on Carotid and Transcranial Doppler Ultrasound

Grand Canyon 9–13

Moderators: M. Robert De Jong, RDCS, RDMS, RVT, and Tatjana Rundek, MD, PhD

This session is designed to help improve techniques in carotid and transcranial Doppler ultrasound studies.

3:30 PM–3:45 PM  Carotid Protocol
    Joshua Cruz, RDMS, RVT

3:45 PM–5:00 PM  Hands-on Scanning
    Eva Bartels, MD, Susanne Bartels, MD, Digna Cabral, MD, Joshua Cruz, RDMS, RVT, M. Robert De Jong, RDCS, RDMS, RVT, Zsolt Garami, MD, Ulrike Hamper, MD, Tatjana Rundek, MD, PhD, Leslie Scoutt, MD, Susan Smith, RDMS, RDCS, RVT, Charles Tegeler, MD, and Tricia Turner, BS, RDMS, RVT

Obstetric Doppler Ultrasound

Grand Sonoran E

Moderator: Giancarlo Mari, MD

The objective of this refresher is to review the basics of Doppler ultrasound in obstetrics.

3:30 PM–3:50 PM  Staging and Classification of Intrauterine Growth-Restricted Fetuses
    Jacques Samson, MD

3:50 PM–4:10 PM  Intrauterine Growth Restriction Pop Quiz
    Giancarlo Mari, MD

4:10 PM–4:30 PM  The Role of Doppler Ultrasound in the Evaluation and Management of Twin-Twin Transfusion Syndrome
    Anthony Odibo, MD

4:30 PM–4:50 PM  Noninvasive Method to Predict Lung Maturity Using the Impedance Ratio of the Fetal Pulmonary Artery and Ductus Arteriosus Utilizing Angle-Based Measurements
    Mauro Schenone, MD

4:50 PM–5:00 PM  Questions and Answers
Shear Wave Imaging
Grand Canyon 3-5

Moderators: Thomas Szabo, PhD, and Tomy Varghese, PhD

This session is designed to provide insights on the latest technical and clinical advances in shear wave imaging.

3:30 PM–3:48 PM  Shear Waves as a Probe for Tissue Structure and Its Changes
Armen Sarvazyan, PhD, DSc

3:48 PM–4:06 PM  Novel Pushes Make Complex Shear Waves for Elasticity Imaging
James Greenleaf, PhD

4:06 PM–4:24 PM  Acoustic Radiation Force–Based Shear Wave Elasticity Imaging to Quantitatively Characterize Soft Tissue Stiffness
Mark Palmeri, MD, PhD

4:24 PM–4:42 PM  Shear Wave Elastography: A Clinical Perspective
David Cosgrove, MA, MSc

4:42 PM–5:00 PM  Safety and Effectiveness Evaluation Issues for Shear Wave Imaging Using Acoustic Radiation Force
Keith Wear, PhD

Sonography of the Neonatal Abdomen
Grand Sonoran H–I

Moderator: Rob Goodman, MD

This session is designed to review the use of sonography when evaluating common pathologies of the umbilical lines, liver, bowel, and kidneys in the neonate.

3:30 PM–4:00 PM  Tubes and Lines
Rob Goodman, MD

4:00 PM–4:30 PM  Solid Organ Abnormalities
Lynn Fordham, MD

4:30 PM–5:00 PM  Hollow Viscous Abnormalities
Brian Coley, MD
Teach the Teacher, Part 2

Grand Canyon 7

Moderators: Michael Blaivas, MD, and Richard Hoppmann, MD

The objective of this session is to discuss the current state of ultrasound in medical education as well as future developments and needs. The session will cover current educational approaches and strategies in multiple venues as well as exploring ultrasound in medical education in other countries. A discussion of the current literature will allow participants to tailor their ultrasound education efforts, and speakers will propose potential models for ultrasound educational curricula in medical education.

3:30 PM–3:50 PM  Use of Simulators in Ultrasound Education
Beatrice Hoffmann, MD, PhD, RDMS

3:50 PM–4:10 PM  Advantages of Multidisciplinary Teachers and Multidisciplinary Learners
Shannon Larese, RDMS, RVT

4:10 PM–4:30 PM  Teaching the Teachers: How Do We Produce Enough Faculty Quickly Enough?
John Pellerito, MD

4:30 PM–4:50 PM  A Model Curriculum for Ultrasound in Medical Education and Challenges Encountered Setting Up a Program
Scott Dulchavsky, MD, PhD

4:50 PM–5:00 PM  Panel Discussion and Questions and Answers
Michael Blaivas, MD, Richard Hoppmann, MD, and Harvey L. Nisenbaum, MD

3:30 PM–5:00 PM
Ultrasound Practice Accreditation Council Meeting
Desert Suite VII

AIUM Accreditation Booth
Learn more about AIUM ultrasound practice accreditation at the Accreditation Booth in the Ballroom Foyer, Level 1. Accreditation staff are available to answer your questions.
**Saturday, March 31**

**Convention**

**Schedule at a Glance**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM–8:00 AM</td>
<td>Journal of Ultrasound in Medicine Subspecialty Editors Committee Meeting</td>
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<tr>
<td>8:00 AM–9:30 AM</td>
<td>Continuing Medical Education Committee Meeting</td>
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<tr>
<td>8:00 AM–10:00 AM</td>
<td>Three- and Four-Dimensional Volume Data Set Manipulation: Obstetrics</td>
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<tr>
<td>8:15 AM–9:45 AM</td>
<td>Special Interest Sessions</td>
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<tr>
<td>9:45 AM–10:15 AM</td>
<td>Refreshment Break in the Exhibit Hall</td>
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<tr>
<td>10:15 AM–11:45 AM</td>
<td>Clinical Standards 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: Fetal Echocardiography</td>
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<tr>
<td>11:45 AM–1:00 PM</td>
<td>Lunch in the Exhibit Hall</td>
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<tr>
<td>12:00 PM–1:00 PM</td>
<td>Presidential Advisory Council Meeting</td>
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<tr>
<td>1:00 PM–2:30 PM</td>
<td>Scientific E-Poster Discussions</td>
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<tr>
<td>2:45 PM–3:45 PM</td>
<td>Oral Sessions</td>
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<tr>
<td>3:30 PM–5:30 PM</td>
<td>Three- and Four-Dimensional Volume Data Set Manipulation: Obstetrics</td>
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<tr>
<td>3:45 PM–4:15 PM</td>
<td>Refreshment Break in the Exhibit Hall</td>
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<tr>
<td>4:15 PM–5:15 PM</td>
<td>Endowment for Education and Research Committee Meeting</td>
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<tr>
<td>10:15 AM–11:45 AM</td>
<td>Hands-on Special Interest Session</td>
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<tr>
<td>1:00 PM–3:00 PM</td>
<td>Hands-on Special Interest Session</td>
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<tr>
<td>1:00 PM–3:00 PM</td>
<td>Three- and Four-Dimensional Volume Data Set Manipulation: Gynecology</td>
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<td>2:45 PM–3:45 PM</td>
<td>Oral Sessions</td>
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<td>3:30 PM–5:30 PM</td>
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<td>3:30 PM–5:30 PM</td>
<td>Special Interest Session</td>
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<tr>
<td>3:30 PM–5:30 PM</td>
<td>Web Education Committee Meeting</td>
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<td>3:30 PM–5:30 PM</td>
<td>Oral Sessions</td>
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<tr>
<td>3:30 PM–5:30 PM</td>
<td>Special Interest Session</td>
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<tr>
<td>7:00 PM–11:00 PM</td>
<td>Leadership Banquet (by invitation only)</td>
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</tbody>
</table>

See Community Meetings tab for Community of Practice meeting times.
Where Can You Find Over 20 DVDs Offering CME Credit?

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Visit the Resource Center in the Ballroom Foyer on Level 1, or order online at www.aium.org.
Complications of Vascular Interventions

Grand Sonoran G

Moderators: John Blebea, MD, and Joshua Cruz, RDMS, RVT

This session was developed to discuss the role of ultrasound in diagnosing various complications from interventional procedures.

- **7:00 AM–7:20 AM** Upper Extremity
  - Glenn Jacobowitz, MD
- **7:20 AM–7:40 AM** Lower Extremity
  - Gowthaman Gunabushanam, MD
- **7:40 AM–8:00 AM** Visceral
  - Nicos Labropoulos, MD

Ethics in Obstetric Ultrasound: Communicating With the Patient When a Fetal Anomaly Is Detected

Grand Canyon 6

Moderator: Bryann Bromley, MD

Speakers: Bryann Bromley, MD, and Stephen Brown, MD

During this session, attendees will hear a discussion on how to discuss optimal methods for sharing the initial information with the patient at the time of detection, explore strategies to communicate effectively about prenatally diagnosed fetal conditions, and understand how ethical values are embedded in the way we communicate.
Fetal Cardiac Unknown (Complex)

Grand Sonoran E

Moderators: Tracy Anton, BS, RDMS, RDCS, and Ray Bahado-Singh, MD
Speakers: Tracy Anton, BS, RDMS, RDCS, Ray Bahado-Singh, MD, Gary Satou, MD, and Diana Strickland, BS, BS, RDMS, RDCS

The objective of this session is to view and discuss cases of complex fetal cardiac abnormalities that are initially not known and how to make the diagnosis.

Interesting Cases in Interventional and Intraoperative Ultrasound

Grand Sonoran J–K

Moderator: Dean Nakamoto, MD
Speakers: Nami Azar, MD, and Dean Nakamoto, MD

Attendees will be able to understand the pitfalls and complications of biopsy techniques and share and learn from some of the interesting cases associated with biopsy.

Just Images: Pediatric Masses

Grand Sonoran H–I

Moderator: Harriet Paltiel, MD
Speakers: Sara O’Hara, MD, Harriet Paltiel, MD, and Eva Rubio, MD

This session is designed to review ultrasound imaging appearances of unusual pediatric masses, providing correct differential diagnoses and educating the audience on the appropriate imaging workup.

Unknown Cases

Grand Canyon 8

Moderators: Raj Paspulati, MD, and Mehmet Onur, MD
Speakers: Vikram Dogra, MD, and Marjorie Stein, MD

This session will present unknown cases related to abdominal disease processes, describe the sonographic findings in struma ovarii, and describe the sonographic findings in fibrous pseudotumors of the testis.

8:00 AM–9:30 AM
Continuing Medical Education Committee Meeting
Desert Suite IV
Three- and Four-Dimensional Volume Data Set Manipulation: Obstetrics

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.

GE Healthcare
Grand Canyon 2
Faculty: Deborah D’Agostini, RDMS, and Lorene Romine, MD

Philips Healthcare
Grand Canyon 1
Faculty: Mishella Llanes, RDMS, and Delores Pretorius, MD

Samsung Medison America, Inc
Grand Canyon 3
Faculty: Kathleen Bradley, MD

Community of Practice Meeting

Pediatric Ultrasound
Grand Sonoran A–B

Gynecologic Ultrasound
Grand Sonoran F

Musculoskeletal Ultrasound
Grand Sonoran C–D
**8:15 AM–9:45 AM**  
Special Interest Sessions

**Breast Ultrasound and Biopsy Techniques**  
**Grand Canyon 7**

_**Moderators: Susan Ackerman, MD, and Abid Irshad, MBBS**_

This session will discuss the use of Breast Imaging Reporting and Data Systems categories for breast ultrasound, ultrasound-guided biopsy techniques, and new applications in breast ultrasound such as elastography.

- **8:15 AM–8:35 AM**  
  Breast Imaging Reporting and Data System Categories for Breast Ultrasound  
  _Susan Ackerman, MD_

- **8:35 AM–8:55 AM**  
  Pearls and Pitfalls in Breast Ultrasound and Intervention  
  _Abid Irshad, MBBS_

- **8:55 AM–9:15 AM**  
  Elastography of Breast Masses  
  _G. Sharat Lin, PhD_

- **9:15 AM–9:35 AM**  
  Always, Sometimes, or Never: When to Biopsy  
  _Avice O’Connell, MD_

- **9:35 AM–9:45 AM**  
  Questions and Answers

**Congenital Anomalies (With Audience Response)**  
**Grand Sonoran E**

_**Moderator: Beryl Benacerraf, MD**_

This session is designed to showcase specific fetal anomalies and discuss differential diagnosis with audience participation as an educational activity.

- **8:15 AM–8:37 AM**  
  Case Presentations  
  _Bryann Bromley, MD_

- **8:37 AM–9:00 AM**  
  Case Presentations  
  _Alfred Abuhamad, MD_

- **9:00 AM–9:22 AM**  
  Case Presentations  
  _Carol Benson, MD_

- **9:22 AM–9:45 AM**  
  Case Presentations  
  _Ilan Timor-Trisch, MD_
Multidisciplinary Approach to Diagnosing and Treating Carotid Disease

**Grand Canyon 6**

**Moderator: Leslie Scoutt, MD**

This session will discuss diagnosing carotid disease and treatment options.

- 8:15 AM–8:33 AM  
  **Standard Transcranial Doppler Evaluation of the Patient With Carotid Disease**  
  *Charles Tegeler, MD*

- 8:33 AM–8:51 AM  
  **The Value of Transcranial Doppler Cerebral Vasoreactivity Testing in Carotid Disease**  
  *Tatjana Rundek, MD, PhD*

- 8:51 AM–9:09 AM  
  **Computed Tomographic Angiography, Magnetic Resonance Angiography, and Digital Subtraction Angiography: When Ultrasound is Not Enough**  
  *Michele Johnson, MD*

- 9:09 AM–9:27 AM  
  **Stenting and Endografts**  
  *Roy Fujitani, MD, RVT*

- 9:27 AM–9:45 AM  
  **Ultrasound Diagnostic Criteria**  
  *John Pellerito, MD*

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**Point-Counterpoint: What Is the Role of Ultrasound in the Diagnosis of Acute Appendicitis?**

**Grand Canyon 8**

**Moderator: Levon Nazarian, MD**

On completion of this session, participants will be able to discuss ultrasound (US), computed tomographic (CT), and magnetic resonance imaging (MRI) findings in right lower quadrant (RLQ) pain and relative merits of US versus CT/MRI in RLQ pain, and whether US should be incorporated into the routine workup for appendicitis.

- 8:15 AM–8:45 AM  
  **Cost and Radiation Savings of Partial Substitution of Ultrasound for Computed Tomography in Appendicitis Evaluation: A National Projection**  
  *Levon Nazarian, MD*

- 8:45 AM–9:15 AM  
  **Role of Sonography in the Evaluation of Right Lower Quadrant Pain**  
  *Patrick O’Kane, MD*

- 9:15 AM–9:45 AM  
  **Ultrasound: Cheaper, Safer, and Better for Appendicitis**  
  *Stephanie Wilson, MD*
Point-of-Care Ultrasound Education Through Simulator Use: How to, What Is Available, Current Strategies, and Future Developments

Grand Sonoran G

Moderator: Mary Beth Phelan, MD

This session will discuss the current practice of simulation for ultrasound education, how to set up a program, future developments, and best practice. Lecturers will describe current simulation programs in existence and the process of developing a simulation laboratory. In addition, a literature review will be completed describing available data on success and failure of simulation in ultrasound education. The use of simulation around the world will be discussed. A panel will discuss future needs and prospects as well as answer questions on setting up local and regional simulation laboratories and programs.

Mary Beth Phelan, MD

8:35 AM–8:55 AM  Optimizing “Blended Learning” for Bedside Ultrasound Training: Incorporation of E-Learning, Simulation, and Other Multimedia Tools
Yanick Beaulieu, MD

8:55 AM-9:15 AM  Successes and Failures: A Review of the Literature of Simulation in Ultrasound Education
Resa Lewiss, MD, RDMS

9:15 AM–9:35 AM  Ultrasound Education Models From Around the World
Beatrice Hoffmann, MD, PhD, RDMS

9:35 AM–9:45 AM  Questions and Answers
Portable Ultrasound: Technology in Point-of-Care Ultrasound

Moderators: J. Brian Fowlkes, PhD, and Philip Levy, MD

The goal of this session is to encourage discussion on the impact of point-of-care portable ultrasound on teaching, research, and clinical practices and to identify potential areas for technological innovation. The evolution of portable ultrasound is changing the landscape of ultrasound application and greatly expanding the clinical specialties using ultrasound. This session will discuss the range that penetration ultrasound has in clinical practice, the specific challenges posed, and solutions to the increasing demands for portable ultrasound around the world.

8:15 AM–8:35 AM Perspectives on Point-of-Care Ultrasound: Matching the Need With the Technology to Understand How Ultrasound Is Migrating From a Diagnostic Modality to a Clinical Evaluation Instrument Harvey L. Nisenbaum, MD

8:35 AM–8:50 AM Novel Approaches to Point-of-Care Ultrasound in the Emergency Department Rajesh Geria, MD, RDMS

8:50 AM–9:05 AM Incorporating Point-of-Care Ultrasound Into Bedside Clinical Decision Making and Initial Treatment Gerardo Chiricolo, MD

9:05 AM–9:20 AM Enabling Technologies for Point-of-Care Ultrasound Nahi Halmann, PhD

9:20 AM–9:35 AM Pocket-Size Ultrasound for Guiding Vascular Access John Hossack, PhD

9:35 AM–9:45 AM Panel Discussion and Questions and Answers

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Look for

Case-of-the-Day Challenges in the Ballroom Foyer

Test your abilities each day by diagnosing unique case studies.

Case-of-the-Day Challenges are supported in part by Parker Laboratories, Inc.
9:00 AM–9:45 AM
Community of Practice Meeting
Neurosonology
Grand Sonoran A–B

9:45 AM–10:15 AM
Community of Practice Meeting
Therapeutic Ultrasound
Grand Sonoran H–I

9:45 AM–10:15 AM
Refreshment Break in the Exhibit Hall

10:15 AM–11:45 AM
Clinical Standards Committee Meeting
Desert Suite VI

Tweet for Prizes!
Each day you tweet about the AIUM Annual Convention you can come by the Resource Center and draw for a prize. Prizes include Starbucks gift cards, free merchandise, discounts on DVDs, and more! (One draw per day.)
10:15 AM–11:45 AM

Oral Sessions

Learn about the latest research in ultrasound in concise 7-minute presentations; * indicates presenter.

Abdominal Ultrasound: General, Neck, and Tissue Characterization
Grand Canyon 8
Moderator: Mark Lockhart, MD, MPH

10:15 AM–10:30 AM
Luminary Speaker: Nira Beck-Razi, MD

10:30 AM–10:37 AM

1240484 Noninvasive Measurement of Portal Hypertension Using Subharmonic Emissions From Ultrasound Contrast Agents in Patients With Suspected Portal Hypertension
Eisenbrey, John*; Dave, Jaydev; Halldorsdottir, Valgerdur; Merton, Daniel; Gonzalez, José; Miller, Cynthia; Machado, Priscilla; Park, Suhyun; Dianis, Scott; Chalek, Carl; Thomenius, Kai; Brown, Daniel; Navarro, Victor; Forsberg, Flemming

10:37 AM–10:44 AM

1229365 Color-Coded Duplex Sonography Compared to Multidetector Computed Tomography for the Diagnosis of Crohn's Disease Relapse and Complications
Gaitini, Diana*; Kreitenberg, Adam; Fischer, Doron; Maza, Itay; Chowers, Yehuda

10:44 AM–10:51 AM

1240951 The Mammilated Caudate Lobe and 3 Additional New Ultrasound Markers Improved the Diagnostic Accuracy of Liver Cirrhosis
Abu-Yousef, Monzer*; Akhter, Ahmed; Larson, Joshua

10:51 AM–10:58 AM

1241252 A Comparison of Vertical Liver Span Measurements Made by Medical Students With Ultrasound and by Physicians With Physical Examination
Mouratev, Gueorgui; Howe, Duncan*; Poston, Mary Beth; Rao, Victor; Rodney, Reid; Varnadoe, James; Smith, Stuart; DeMarco, Paul; Hoppmann, Richard

10:58 AM–11:05 AM

1240291 The Common Duct Dilates After Cholecystectomy and With Advancing Age: Fact or Myth?
McArthur, Tatum; Planz, Virginia; Fineberg, Naomi; Tessler, Franklin; Robbin, Michelle; Lockhart, Mark*
11:05 AM–11:12 AM
1236767  Stent-Induced Cholangitis Mimicking Biliary Dilatation on Sonography
          Ghazle, Hamad*; Abu-Yousef, Monzer

11:12 AM–11:19 AM
1174538  Sonographic Patterns of Benign Thyroid Nodules: Verification at Our Institution
          Hammond, Ian*; Virmani, Vivek

11:19 AM–11:26 AM
1241207  Vibration-Controlled Transient Elastography: A Clinically Validated Tool in Hepatology
          Sandrin, Laurent*; Fournier, Celine; Miette, Veronique

11:26 AM–11:33 AM
1241157  Controlled Attenuation Parameter: A Novel Fibroscan-Based Tool to Assess Liver Steatosis
          Sasso, Magali*; Beaugrand, Michel; de Ledinghen, Victor; Douvin, Catherine; Marcellin, Patrick; Poupon, Raoul; Sandrin, Laurent;
          Miette, Veronique

8&A  Abdominal Ultrasound: Urinary Tract
     Grand Sonoran J–K
     Moderators: Vikram Dogra, MD, and Dean Nakamoto, MD

10:15 AM–10:30 AM
Luminary Speaker: Mehmet Onur, MD

10:30 AM–10:37 AM
1240932  Power Doppler Sonography: An Approach to Quantitatively Evaluating Kidney Function and Histology of Chronic Kidney Diseases
          Li, Qian*; Samir, Anthony

10:37 AM–10:44 AM
1240037  Initial Results of Shear Wave Elastography in Detection of Prostate Cancer
          Barr, Richard

10:44 AM–10:51 AM
1241140  Characteristics of Pain at Transrectal Ultrasound-Guided Prostate Biopsy Using Regional Local Anesthesia
          Toi, Ants*; Yang, Roy; Moshonov, Hadas; Ghai, Sangeet; O’Malley, Martin; Margolis, Myles; Sreeharsha, Boriah; Menezes, Ravi; Fleschner, Neil; Finelli, Antionio
10:51 AM–10:58 AM
1241148 Does the Addition of Apical Injection of Local Anesthesia to Basal Injection Diminish Pain Related to Transrectal Ultrasound-Guided Prostate Biopsy?
Toi, Ants*; Yang, Roy; Moshonov, Hadas; Ghai, Sangeet; O’Malley, Martin; Margolis, Myles; Sreeharsha, Boriah; Menezes, Ravi; Fleshner, Neil; Finelli, Antonio

10:58 AM–11:05 AM
1241569 Renal Hemodynamic Study of Dopamine Infusion With Power Doppler Ultrasonography in a Canine Model
Shyu, Jeou-Jong*; Wang, Shuo-Meng; Chou, Nai-Kung; Tai, Hao-Chih; Pao, Sun-Hua; Shau, Yio-Wha

11:05 AM–11:10 AM
1233477 Renal Hemodynamic Study of Hydronephrosis With Power Doppler Ultrasonography in a Canine Model
Shyu, Jeou-Jong*; Wang, Shuo-Meng; Chou, Nai-Kuan; Tai, Hao-Chih; Pao, Sun-Hua; Shau, Yio-Wha

11:10 AM–11:17 AM
1241540 Quantification of Renal Perfusion Changes With the Dynamic Power Doppler Vascular Index in an Allograft With Hydronephrosis
Wang, Shuo-Meng*; Shyu, Jeou-Jong; Tai, Hao-Chih; Chou, Nai-Kuan; Pao, Sun-Hua; Shau, Yio-Wha

11:17 AM–11:24 AM
1241509 Quantification of Renal Perfusion Changes With the Dynamic Power Doppler Vascular Index in an Acute Rejection Allograft
Wang, Shuo-Meng*; Shyu, Jeou-Jong; Chou, Nai-Kuan; Tai, Hao-Chih; Pao, Sun-Hua; Shau, Yio-Wha

Basic Science: Instrumentation
Grand Canyon 7
Moderators: Paul Carson, PhD, and Kathy Nightingale, PhD

10:15 AM–10:22 AM
1238330 Customized and Noninvasive Transcutaneous Drug Transport: Will Ultrasound Deliver?
Lewin, Peter*; Sunny, Youhan; Bawiec, Christopher; Nguyen, An; Samuels, Joshua; Zubkow, Leonid

10:22 AM–10:29 AM
1240739 Complex Deconvolution of Hydrophone Sensitivity for the Measurement of Acoustic Output Parameters
Wear, Keith*; Gammell, Paul; Maruvada, Subha; Liu, Yunbo; Harris, Gerald

www.aium.org Convention • Saturday, March 31 63
10:29 AM–10:36 AM
1239825 The Impact of Phase Aberration and Its Correction on Spatial Coherence Imaging
Dahl, Jeremy*; Trahey, Gregg

10:36 AM–10:43 AM
1240008 Short-Lag Spatial Coherence Imaging Applied to Abdominal Imaging
Dahl, Jeremy*; Jakovlevic, Marko; Hyun, Dongwoon; Nelson, Rendon; Trahey, Gregg

10:43 AM–10:50 AM
1241340 Improved Elasticity Imaging by Maximizing the Weighted Peaks of the Nearest Neighbor Cross-Correlation Function
Hussain, Mohammad; Abu Anas, Emran; Alam, S. Kaisar*; Lee, Soo; Hasan, Kamrul

10:50 AM–10:57 AM
1240773 A Novel Method for Measuring the Beam Profile of an Ultrasound Transducer
Nebeker, Jakob*; Nelson, Thomas

10:57 AM–11:04 AM
1240799 Toward Ultrasound Thermometry With Sound Speed Tomography
Nebeker, Jakob*; Nelson, Thomas

11:04 AM–11:11 AM
1240928 Development and Implementation of a Long-term Multisignal Logging Utility for Peripheral Vascular Flow
Makin, Inder*; Hope, Joshua; Heath, Deborah

11:11 AM–1:18 AM
1236579 Portable Ultrasound Simulator System
Pedersen, Peder*; Skehan, Daniel

11:18 AM–11:25 AM
1241400 Feasibility of Coregistered Opto-Acoustic and Ultrasonic Imaging for Differentiation of Breast Tumors
Otto, Pamela*; Kist, Kenneth; Dornbluth, N. Carol; McCorvey, B. Michelle; Zalev, Jason; Herzog, Don; Miller, Tom; Clingman, Bryan; Branstetter, Ron

11:25 AM–11:32 AM
1240073 Performance Phantoms for Most Transducer Shapes
Madsen, Ernest*; Deaner, Meagan; Frank, Gary
Cardiovascular Ultrasound

Grand Sonoran G

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

10:15 AM–10:30 AM

Luminary Speaker: M. Robert De Jong, RDCS, RDMS, RVT

10:30 AM–10:37 AM

1175634 Atheroedge: Ultrasound Carotid Intima-Media Thickness Measurement on a Multi-Ethnic and Multi-Institutional Database—Our Experience Using 4 Fully Automated Methods and 1 Semiautomated Method

Molinari, Filippo; Meiburger, Kristen; Saba, Luca; Acharya, Rajendra; Ledda, Giuseppe; Nicolaides, Andrew; Suri, Jasjit*

10:37 AM–10:44 AM

1241411 Cardiac High-Speed Difference Imaging

Moore, Cooper*; Samad, Zainab; Risum, Niels; Jackson, Kevin; Castellucci, John; Kisslo, Joseph; von Ramm, Olaf

10:44 AM–10:51 AM

1240124 Ultrasound Elasticity Measurements as Predictors of Arterial Fibrosis in Chronic Kidney Disease Patients

Sorace, Anna*; Robbin, Michelle; Abts, Carl; Lockhart, Mark; Allon, Michael; Hoyt, Kenneth

10:51 AM–10:58 AM

1241442 Acoustic Radiation Force Impulse–Monitored Hemostatic Response to Therapy in Von Willebrand Disease and Hemophilia A

Baggesen, Leslie; Scola, Mallory; Nichols, Timothy; Zhu, Hongtu; Caughey, Melissa; Merricks, Elizabeth; Raymer, Robin; Margaritis, Paris; High, Katherine; Gallippi, Caterina*

10:58 AM–11:05 AM

1175645 Atheromatic: Symptomatic Versus Asymptomatic Carotid Plaque Classification Using Wall Variability and Higher-Order Spectral Features

Saba, Luca; Acharya, Rajendra; Sree, Vinitha; Molinari, Filippo; Nicolaides, Andrew; Suri, Jasjit*

11:05 AM–11:12 AM

1175652 Hypothesis Validation of Far Wall Brightness in Carotid Artery Ultrasound for Feature-Based Intima-Media Thickness Measurement Using a Combination of Level Set Segmentation and Registration

Molinari, Filippo; Acharya, Rajendra; Sree, Vinitha; Krishnamurthi, Ganapathy; Zeng, Guang; Saba, Luca; Nicolaides, Andrew; Suri, Jasjit*
11:12 AM–11:19 AM
1160159  Gender and Anthropometric Parameters as Determinants of Radiographic and Echocardiographic Left Atrial Dimensions in Normal Subjects
Adamu, Abdullahi*; Babaev, Mikhail; Nelassov, Nikolai; Eroshenko, Olga; Chaplygina, Elena

11:19 AM–11:26 AM
1241168  In Vivo Pulse Wave Imaging in the Abdominal Aortas of Hypertensive and Aneurysmal Human Subjects: A Feasibility Study
Li, Ronny; Luo, Jianwen; Walker, Lancelot; Laifer-Narin, Sherelle*; Hecht, Elizabeth; Chaudhry, Farooq; Konofagou, Elisa

11:26 AM–11:33 AM
1223363  Asymptomatic Deep Venous Thrombosis in Advanced Cancer Patients: The Value of Venous Sonography
Beck-Razi, Nira*; Kuzmin, Alexander; Koren, Dorith; Sarig, Galit; Brenner, Benjamin; Haim, Nissim; Gaitini, Diana

11:33 AM–11:40 AM
1241419  Acoustic Radiation Force Impulse Atherosclerotic Plaque Characterization Performance: A Statistical Reader Study
Behler, Russel; Czernuszewicz, Tomasz; Nichols, Timothy; Merricks, Elizabeth; Zhu, Hongtu; Wu, Chih-Da; Gallippi, Caterina*

CEUS  Contrast-Enhanced Ultrasound 1
Grand Sonoran H-I
Moderator: Yuko Kono, MD, PhD

10:15 AM–10:30 AM
Luminary Speaker: Yuko Kono, MD, PhD

10:30 AM–10:37 AM
1241407  Use Of BR55 KDR-Targeted Microbubbles for Monitoring Responses to Antiangiogenic Therapies in Rodent Oncology Models
Swanson, Terri*; Tuthill, Theresa; Nunn, Adrian; Tranquart, Francois

10:37 AM–10:44 AM
1241131  Efficient Gene Therapy for Chronic Lymphocytic Leukemia With Targeted Microbubbles and Ultrasound
Cui, Wenjin*; Zhang, Suping; Kipps, Thomas; Mattrey, Robert

10:44 AM–10:51 AM
1239328  Ultrasound-Guided Aspiration in Transient Hip Synovitis: Preliminary Results
Ahmed, Khaled*; El Naggar, Ahmed
10:51 AM–10:58 AM
1240181 Evaluation of Indeterminate Renal Masses With Contrast-Enhanced Ultrasound
Barr, Richard

10:58 AM–11:05 AM
1240515 The Antiangiogenic Effects of a Vascular Endothelial Growth Factor Decoy Receptor Can Be Monitored In Vivo Using Contrast-Enhanced Ultrasound Imaging
Forsberg, Flemming*; Ro, Raymond; Marshall, Andrew; Liu, Ji-Bin; Chiou, See-Ying; Merton, Daniel; Lipcan, Kathryn; Machado, Priscilla; Dicker, Adam; Nazarian, Levon

11:05 AM–11:12 AM
1236126 Clinical Utility of 3-Dimensional Contrast-Enhanced Ultrasound in the Differentiation Between Noninvasive and Invasive Neoplasms of the Urinary Bladder
Tang, Jie*; Li, Qiuyang

11:12 AM–11:19 AM
1240507 Detection of Secondary Lymph Nodes With Contrast-Enhanced Ultrasound Compared to Radical Lymph Node Resection
Goldberg, Barry*; Merton, Daniel; Liu, Ji-Bin; Berger, Adam; Witkiewicz, Agnieszka; Forsberg, Flemming; Eisenbrey, John

11:19 AM–11:26 AM
1237909 Planning and Evaluation of High-Intensity Focused Ultrasound Therapy Assisted by 3-Dimensional Ultrasound
Yamada, Kota*; Sano, Takatomo; Sofuni, Atsushi; Imai, Yasuharu; Moriyasu, Fuminori

11:26 AM–11:33 AM
1212929 A Magnetic Resonance Imaging–Guided Focused Ultrasound System for Stroke Treatment: In Vitro and In Vivo Evaluation
Damianou, Christakis

11:33 AM–11:40 AM
1175647 A Noninvasive and Automated System for Thyroid Lesion Classification on 3-Dimensional Contrast-Enhanced Ultrasound: A Class of ThyroScan Systems
Acharya, Rajendra; Sree, Vinitha; Molinari, Filippo; Garberoglio, Roberto; Suri, Jasjit*
Obstetric Ultrasound: Anomalies

Grand Sonoran F
Moderator: Ana Monteagudo, MD

10:15 AM–10:30 AM
Luminary Speaker: Ana Monteagudo, MD

10:30 AM–10:37 AM
1241885 Prenatal Ultrasound and Magnetic Resonance Imaging Diagnosis of Closed Spinal Dysraphism
Pugash, Denise*; Irwin, Beverly; Thiessen, Paul; Cochrane, Douglas; Pressey, Tracy; Lalji, Sayrin; Brugger, Peter; Prayer, Daniela

10:37 AM–10:44 AM
1241917 Sonographic Evaluation of Abnormal Patterns of Fetal Cerebral Lamination in Cytomegalovirus Infection
Pugash, Denise*; Dewar, Kathryn; Dunham, Christopher; Henderson, Glenda; Money, Deborah

10:44 AM–10:51 AM
1240352 First-Trimester Nuchal Translucency (NT) Screening Versus NT Screening Plus an Anatomic Survey: Does It Make a Difference?
DeVore, Greggory*; Polanco, Bardo

10:51 AM–10:58 AM
1179293 Twin Reversed Arterial Perfusion Syndrome: A New Method of Parabiotic Twin Mass Estimation Correlated With Pump Twin Compromise and Combined Cardiac Output
Oliver, Edward*; Coleman, Beverly; Goff, Donna; Horii, Steven; Howell, Lori; Rychik, Jack; Bebbington, Michael; Adzick, N. Scott

10:58 AM–11:05 AM
1241367 Prenatal Diagnosis of Fetal Echogenic Lung Lesions: 6-Year Experience at a Tertiary Referral Center
Tice, Kathryn; Sclater, Annette; Sedule-Murphy, Sally; Sinkovskaya, Elena*; Berkley, Eliza; Abuhamad, Alfred

11:05 AM–11:12 AM
1240445 Indications for Fetal Magnetic Resonance Imaging
Samuel, Amber*; Laifer-Narin, Sherelle; Arjuna, Sonal; Simpson, Lynn; Miller, Russell

11:12 AM–11:19 AM
1241575 Prenatal Serum Analyte Markers and Ultrasound Findings in Fetal Trisomy 9
Gurram, Padmalatha*; Egan, James; Alireza, Shamshirsaz; Campbell, Winston; Fuller, Kisti; Benn, Peter
11:19 AM–11:26 AM
1240280 Ethnic Variations in Gastrochisis and Omphalocele in the United States
Rocha, Frederico*; Tsai, Pai-Jong; Zalud, Ivica; Dye, Timothy

11:26 AM–11:33 AM
1242472 Twenty-Year Review of Fetal Anomalies in a Rural Population With a High Infant Mortality Rate
Strickland, Diana*; Strayhorn, Shakonda; Hodson, Charles; Smithwick, Teresa; Livingston, Jeffrey

11:33 AM–11:40 AM
1241849 Fetal Sonographic Predictors of Hemimegalencephaly
Barnewolt, Carol*; Estroff, Judy; Connolly, Susan; Morash, Donna; Zaccagnini, Linda; Soul, Janet; Khwaja, Omar

Obstetric Ultrasound: Fetal Growth, Fetal Neurosonology, and Renal Doppler
Grand Canyon 6
Moderator: Steven Warsof, MD

10:15 AM–10:30 AM
Luminary Speaker: Steven Warsof, MD

10:30 AM–10:37 AM
1241069 Women With an Ultrasound-Estimated Fetal Weight Are at Increased Risk of Cesarean Delivery
Little, Sarah*; Thomas, Ann; Smith, Nicole

10:37 AM–10:44 AM
1239169 Three-Dimensional Cerebroplacental Ratio: A Proposal for a New Parameter for Antenatal Surveillance in Intrauterine Growth-Restricted Fetuses
Rossi, Alberto*; Forzano, Leonardo; Romanello, Irene; Baccarini, Giovanni; Marchesoni, Diego

10:44 AM–10:51 AM
1241005 Do Umbilical Artery Doppler Findings Have an Independent Value for Small-for-Gestational-Age Prediction?
Werner, Erika*; Baghlaf, Haitham; Eshani, Robert; Crino, Jude; Blakemore, Karin; Burd, Irina
10:51 AM–10:58 AM
1239199 Evaluation of Fetal Cerebral Blood Perfusion Using 3-Dimensional Power Doppler Ultrasound Angiography in Normal and Growth-Restricted Fetuses
Rossi, Alberto*; Romanello, Irene; Forzano, Leonardo; Fachechi, Giorgio; Marchesoni, Diego

10:58 AM–11:05 AM
1240330 Birth Weights of Fetuses With an Isolated Single Umbilical Artery in Utah
Christensen, Kaerli; Heilbrun, Marta; Patel, Neel; Kennedy, Anne*; Woodward, Paula

11:05 AM–11:12 AM
1162814 Ultrasound Biometry of Nigerian Fetuses, 6: Weight
Mador, Emmanuel*; Ishaya, Pam; Daru, Patrick; Ogunranti, John

11:12 AM–11:19 AM
1162804 Ultrasound Biometry of Nigerian Fetuses, 3: Abdominal Circumference
Mador, Emmanuel*; Ishaya, Pam; Daru, Patrick; Ogunranti, John

11:19 AM–11:26 AM
1241357 Three-Dimensional Sonography of the Posterior Fossa in Fetuses With Dandy-Walker Malformation at 11 to 13 Weeks
Sinkovskaya, Elena*; Lachmann, Robert; Abuhamad, Alfred

11:26 AM–11:33 AM
1240258 Comparison Between Bidimensional Sonography and 3-Dimensional Power Doppler Angiography (Virtual Organ Computer-Aided Analysis) for Assessment of Fetal Renal Blood Flow in Normal Gestation
Rossi, Alberto*; Forzano, Leonardo; Romanello, Irene; Arteni, Alessandra; Marchesoni, Diego

Sonography and Pediatric Radiology
Grand Sonoran A–B
Moderator: David Jackson, MD

10:15 AM–10:30 AM
Luminary Speaker: David Jackson, MD

10:30 AM–10:37 AM
1240736 Analysis of Ultrasound Breast Imaging Reporting and Data System Features: Negative and Positive Predictive Values
Bouzghar, Ghizlane; Levenback, Benjamin; Conant, Emily; Cwanger, Alyssa; Sehgal, Chandra*
10:37 AM–10:44 AM
1241398 Utility of Ultrasound in Teaching Gross Anatomy
Paulman, Lance; Blanck, Erika; Rao, Victor; Poston, Mary Beth; Howe, Duncan*; Hoppmann, Richard

10:44 AM–10:51 AM
1241739 Early Ultrasound Exposure for First-Year Medical Students During Anatomy
Dreher, Stephanie; Corliss, Bethany; Bahner, David*; Boulger, Creagh; Adkins, Eric

10:51 AM–10:58 AM
1235012 Outcome Analysis of 357 Patients Presenting With Diffuse or Focal Breast Pain: Is Ultrasound Helpful for Evaluating Breast Pain in the Absence of a Lump?
Irshad, Abid*; Leddy, Rebecca; Zerwas, Emily; Mayes, Nick; Ackerman, Susan; Abid, Maham; Campbell, Amy; Cluver, Abbie; Lewis, Madeline; Bernard, Jackie

10:58 AM–11:05 AM
1241289 Training Rural Primary Care Physicians in Bedside Ultrasound
Howe, Duncan*; Rao, Victor; Poston, Mary Beth; Hoppmann, Richard

11:05 AM–11:12 AM
1239369 Vscan for Primary Care Clerkships
Abdel-Ghani, Saaid*; Poston, Mary Beth; Hoppmann, Richard; Howe, Duncan; Rao, Victor

11:12 AM–11:19 AM
1241752 Female-Male Birth Gender Ratios in Asian Subpopulations in Santa Clara County, California
Lin, G. Sharat

11:19 AM–11:26 AM
1234699 Ultrasound in Neonatal and Childhood Hydronephrosis: Is It a Reliable Tool for Guiding Management?
Ahmed, Khaled*; Affify, Maged
10:15 AM–11:45 AM
New Investigator Session
Grand Sonoran C–D
Moderators: Elisa Konofagou, PhD, and Arthur Fleischer, MD

10:15 AM–10:22 AM
1240358 Should Active Ultrasound Surveillance Be the New Standard of Care for Patients With Small Testicular Lesions?
Li, Qian*; Samir, Anthony

10:22 AM–10:29 AM
1232684 Monopolar Capacitive Coupled Radiofrequency and Platelet-Rich Plasma for the Treatment of Common Orthopedic Conditions
Cronkey, Joseph

10:29 AM–10:36 AM
1241045 Multifeature Classifier for Breast Masses Using Features Derived From Axial-Strain and Axial-Shear Strain Images
Xu, Huiyan*; Varghese, Tomy; Jiang, Jingfeng; Hall, Timothy; Zagzebski, James

10:36 AM–10:43 AM
1241463 Blood-Brain Barrier Disruption With Focused Ultrasound Allows Brain Tumor Therapy With Targeted Immune Cells
Alkins, Ryan*; Burgess, Alison; Ganguly, Milan; Wels, Winfried; Hynynen, Kullervo

10:43 AM–10:50 AM
1240962 High-Intensity Focused Ultrasound Treatment of Acute Ischemic Stroke
Burgess, Alison*; Huang, Yuexi; Wase, Adam; Ganguly, Milan; Goertz, David; Hynynen, Kullervo

10:50 AM–10:57 AM
1240470 Subharmonic Ultrasound Reveals Portal Vein Pressures and Portal Hypertension in Canines
Dave, Jaydev*; Halldorsdottir, Valgerdur; Eisenbrey, John; Merton, Daniel; Liu, Ji-Bin; Zhou, Jian-Hua; Wang, Hsin-Kai; Park, Suhyun; Dianis, Scott; Chalek, Carl; Lin, Feng; Thomenius, Kai; Brown, Daniel; Forsberg, Flemming
10:57 AM–11:04 AM  
1234752  Antivascular Ultrasound: Frequency and Temporal Dependency and Treatment Effects Correlated With Contrast-Enhanced Ultrasound, Dynamic Contrast-Enhanced Magnetic Resonance Imaging, and Histopathology  
Hunt, Stephen*; Wood, Andrew; Bunte, Ralph; Sehgal, Chandra

11:04 AM–11:11 AM  
1144625  Correlation Between the Severity of Carpal Tunnel Syndrome and Color Doppler Sonographic Findings  
Mohammadi, Afshin; Ghasemi-Rad, Mohammad*; Mladkova, Nikol; Ansari, Sanam

11:11 AM–11:18 AM  
1180541  The Role of Magnetic Resonance Imaging as an Adjunct to Sonography in Evaluation of Cesarean Scar Ectopic Pregnancy: A Case Series  
Sandler, Kim*; Ahmad, Asma; Wile, Geoffrey

11:18 AM–11:25 AM  
1240997  Success of Lumbar Puncture After Using Ultrasound for Landmarks  
Chan, Connie; Vandordaklou, Negean*; Chiem, Alan; Kinney, Austin; Tu, Khoa; Maldonado, Gracie; Fox, J. Christian

11:25 AM–11:32 AM  
Goetzinger, Katherine*; Zhong, Yan; Cahill, Alison; Odibo, Linda; Macones, George; Odibo, Anthony

11:32 AM–11:39 AM  
1239985  Model System for Validating Molecular Ultrasound Imaging Techniques and Contrast Agents  
Saini, Reshu*; Sorace, Anna; Hoyt, Kenneth
10:15 AM–11:45 AM
Special Interest Sessions

Legal Issues for the Sonographer: Are You Vulnerable?
Grand Canyon 4–5

Moderator: James Pennington, RDMS, RVS
In this session, attendees will learn sonographer culpability in the use and performance of ultrasound examinations.

10:15 AM–11:00 AM Situations and Scenarios for the Ultrasound Practitioner
James Pennington, RDMS, RVS

11:00 AM–11:45 AM The Plight of the Diagnostic Sonographer: Are You Vulnerable?
Leslie Mark Stovall, Esq

Liver Doppler Evaluation
Grand Sonoran E

Moderator: Sharlene Teefey, MD
This session will describe the Doppler principles, liver Doppler techniques, pitfalls of liver Doppler ultrasound, and its applications in liver transplants and nontransplant livers.

10:15 AM–10:45 AM Application of Doppler Ultrasound in Liver Transplant Patients
Marjorie Stein, MD

10:45 AM–11:15 AM Doppler Principles and Liver Doppler Techniques
Margarita Revzin, MD

11:15 AM–11:45 AM Applications of Doppler Ultrasound in Native Liver and Pretransplant Evaluations
Chandana Lall, MD
10:30 AM–12:30 PM
Three- and Four-Dimensional Volume Data Set Manipulation: Fetal Echocardiography

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.

**GE Healthcare**
Grand Canyon 2
*Faculty: Greggory DeVore, MD, and Diana Strickland, BS, BA, RDMS, RDCS*

**Philips Healthcare**
Grand Canyon 1
*Faculty: Leeber Cohen, MD*

**Samsung Medison America, Inc**
Grand Canyon 3
*Faculty: Wesley Lee, MD*

11:45 AM–1:00 PM
**Lunch in the Exhibit Hall**

12:00 PM–1:00 PM
**Presidential Advisory Council Meeting**
Suite 6311
12:00 PM–1:00 PM
Scientific E-Poster Discussions
New! All scientific posters presented are displayed on monitors. Peruse a variety of posters throughout the convention. See Scientific E-Posters tab for more information.

Basic Science
Grand Canyon 7

Musculoskeletal Ultrasound
Grand Sonoran J–K

Obstetric Ultrasound
Grand Canyon 6

Practice of Sonography
Grand Canyon 4–5

12:00 PM–1:00 PM
Community of Practice Meetings

CARDIO  Cardiovascular Ultrasound
Grand Sonoran G

CEUS  Contrast-Enhanced Ultrasound
Grand Sonoran H–I

OB  Obstetric Ultrasound
Grand Sonoran F

Point-of-Care Ultrasound for the Emergency and Critically Ill Patient
A Comprehensive Didactic and Hands-on Course for All Clinicians Involved in Treating Acutely Ill Patients
Register online at www.aium.org

August 3–5, 2012
Caesars Palace
Las Vegas, Nevada
1:00 PM–2:30 PM
Special Interest Sessions

**Contrast-Enhanced Ultrasound: Nonhepatic Applications**

**Grand Sonoran G**

*Moderators: Wui Chong, MD, and Arthur Fleischer, MD*

This session is designed to describe clinical applications of contrast-enhanced ultrasound in the urinary tract, female pelvis, scrotum, and vascular system.

1:00 PM–1:20 PM  Urinary Tract  
Michelle Robbin, MD

1:20 PM–1:40 PM  Carotid and Vascular  
Edward Leen, MD

1:40 PM–2:00 PM  Scrotum  
Paul Sidhu, BSc, MRCP

2:00 PM–2:20 PM  Parametric Depiction of Contrast-Enhanced Ultrasound of Ovarian Masses  
Arthur Fleischer, MD

2:20 PM–2:30 PM  Questions and Answers

**Emergency and Critical Care Ultrasound Practice in the World**

**Grand Canyon 8**

*Moderator: Beatrice Hoffmann, MD*

This session will discuss the great variability in point-of-care ultrasound practice around the world. Included will be discussions of highly advanced clinical practices such as those in France and Germany. In addition, the rapid growth and tremendous innovation of emergency and critical care ultrasound practice in Asia will be covered.

1:00 PM–1:20 PM  Emergency Ultrasound Practice in India  
Joseph Colla, MD, RDMS

1:20 PM–1:40 PM  Critical Care Ultrasound Practice in Russia  
Alexander Levitov, MD

1:40 PM–2:00 PM  Practice in the World  
Vicki Noble, MD

2:00 PM–2:20 PM  Emergency and Critical Care Ultrasound Practice in Europe  
Beatrice Hoffmann, MD

2:20 PM–2:30 PM  Questions and Answers
Evaluation of Pelvic Pain: Can Ultrasound Do It All?

Grand Canyon 6

Moderator: Rochelle Andreotti, MD

Ultrasound is usually the initial modality in the evaluation of pelvic pain, acute or chronic, especially when a gynecologic etiology is suspected. The role of other imaging modalities, primarily magnetic resonance imaging, is controversial. The objective of this course is to give different approaches in the diagnosis of pelvic pain, one advocating the use of ultrasound as sufficient and the other approach supporting a role for other modalities. Both views will be presented, followed by a discussion with audience participation.

1:00 PM–1:05 PM  Introduction  
Rochelle Andreotti, MD

1:05 PM–1:35 PM  Magnetic Resonance Imaging: A Problem-Solving Tool for Pelvic Pain  
Genevieve Bennett, MD

1:35 PM–2:05 PM  Ultrasound Can Be Relied on to Evaluate Patients With Pelvic Pain, Making Other Imaging Modalities Unnecessary in the Vast Majority of These Patients  
Beryl Benacerraf, MD

2:05 PM–2:30 PM  Panel Discussion

First- Versus Second-Trimester Fetal Anatomy Survey

Grand Sonoran E

Moderators: David Nyberg, MD, and Yaron Zalel, MD

The objective of this session is to describe differences and respective advantages of anomaly screening in the first versus second trimester.

1:00 PM–1:20 PM  The Genetic Sonogram: First Trimester  
Yaron Zalel, MD

1:20 PM–1:40 PM  Second-Trimester Genetic Sonography: Components and Clinical Utility  
Bryann Bromley, MD

1:40 PM–2:05 PM  Screening for Fetal Anomalies: First Trimester  
Yaron Zalel, MD

2:05 PM–2:30 PM  Screening for Fetal Anomalies: Second Trimester  
David Nyberg, MD
Musculoskeletal Ultrasound of the Knee, Ankle, and Foot

Grand Canyon 9–13

Moderator: Kenneth Lee, MD

This session will have live demonstrations to show attendees how to gain hands-on experience in scanning the knee, ankle, and foot.

1:00 PM–2:30 PM Hands-on Scanning
J. Antonio Bouffard, MD, Nathalie Bureau, MD, Joseph Craig, MD, David Fessell, MD, Jon Jacobson, MD, William Medford, RDMS, Levon Nazarian, MD, Humberto Rosas, MD, Colin Strickland, MD, and Ralf Thiele, MD

Quantitative Ultrasound: What We Can Measure

Grand Sonoran H–I

Moderators: Anne Hall, PhD, and Oliver Kripfgans, PhD

This session will discuss advances in quantitative methods in ultrasound imaging. The emphasis will be on what these quantitative methods measure and how the measurements can aid medical diagnosis.

1:00 PM–1:05 PM Introduction

1:05 PM–1:25 PM Quantitative Ultrasound for Diagnostics and Monitoring Therapy
Michael Oelze, PhD

1:25 PM–1:45 PM Targeted Microbubbles as Ultrasound Contrast for Molecular Imaging Applications: Toward Quantitative Evaluation of Molecular Markers of Disease
Alexander Klibanov, PhD

1:45 PM–2:05 PM Applications of Quantitative Elasticity Measurement
Shigao Chen, PhD

2:05 PM–2:25 PM Quantitative Ultrasound and the Management of Osteoporosis
Keith Wear, PhD

2:25 PM–2:30 PM Questions and Answers
Sonography of Pediatric Musculoskeletal Lesions

**Grand Canyon F**

**Moderator: Carl Merrow, MD**

The objective of this session is to review sonography in congenital hip dysplasia, pediatric sports injuries, and lumps and bumps.

1:00 PM–1:30 PM  
**Pediatric Hip: Developmental Dysplasia**  
*Michael DiPietro, MD*

1:30 PM–2:00 PM  
**Sonography in the Pediatric Athlete**  
*Andrew Zbojniewicz, MD*

2:00 PM–2:30 PM  
**Sonography of Pediatric Soft Tissue Masses**  
*Carl Merrow, MD*

Thyroid Imaging

**Grand Sonoran J–K**

**Moderators: Diana Gaitini, MD, and Deborah Rubens, MD**

This session is designed to describe the criteria for assessing a thyroid nodule, understand the evaluation of the postsurgical thyroid bed, describe the nodal stations in the neck and their relevance to thyroid disease, and describe the ultrasound-guided fine-needle aspiration techniques in thyroid disease.

1:00 PM–1:30 PM  
**Sonographic Evaluation of Thyroid Nodules**  
*William Middleton, MD*

1:30 PM–2:00 PM  
**Sonographic Assessment of the Neck in Patients With Thyroid Cancer**  
*Jill Langer, MD*

2:00 PM–2:30 PM  
**Diffuse Thyroid Disease**  
*Diana Gaitini, MD*
Ultrasound Bioeffects for the Practitioner: This Could Happen to You

Grand Canyon 7

Moderator: Jacques Abramowicz, MD

This session is designed to acquaint physicians and scientists with the controversies in ultrasound bioeffects.

1:00 PM–1:30 PM  What Ultrasound Does That You Should Care About and Why It Is Important to Pay Attention
Jacques Abramowicz, MD

1:30 PM–2:30 PM  Live Demonstrations of Effects That Diagnostic and Therapeutic Ultrasound Can Produce
Thomas Nelson, PhD, and Thomas Szabo, PhD

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

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.

GE Healthcare
Grand Canyon 2
Faculty: Sharon Horton, RDMS, and Ilan Timor-Tritsch, MD

Philips Healthcare
Grand Canyon 1
Faculty: William Brown III, MD, and Elise Houseman, RDMS

Samsung Medison America, Inc
Grand Canyon 3
Faculty: Leeber Cohen, MD
2:45 PM–3:45 PM
Oral Sessions

Learn about the latest research in ultrasound in concise 7-minute presentations; * indicates presenter.

**Basic Science: Tissue Characterization, Contrast Agents, and Bioeffects**

*Grand Sonoran E*

*Moderators: Michael Kolios, PhD, and William O’Brien Jr, PhD*

2:45 PM–2:52 PM
1237406 Microbubble-Mediated Ultrasound Therapy Sensitizes Head and Neck Cancer Responses to Drug Therapy
Sorace, Anna; Heath, Cara; Knowles, Joseph; Lancaster, William; Rosenthal, Eben; Hoyt, Kenneth*

2:52 PM–2:59 PM
1241368 Automated Power Optimization for Subharmonic Aided Pressure Estimation
Dave, Jaydev*; Halldorsdottir, Valgerdur; Eisenbrey, John; Park, Suhyun; Dianis, Scott; Chalek, Carl; Merton, Daniel; Liu, Ji-Bin; Machado, Priscilla; Thomenius, Kai; Brown, Daniel; Forsberg, Flemming

2:59 PM–3:06 PM
1230615 In Vivo Activation of Iron Oxide–Loaded Perfluorocarbon Emulsion by Ultrasound Triggering
Wu, Zhe*; Cui, Wenjin; Mattrey, Robert

3:06 PM–3:13 PM
1233019 Novel Silica Shell Particle for Ultrasound Imaging
Wu, Zhe*; Liberman, Alex; Martinez, H. Paul; Trogler, William; Kummel, Andrew

3:13 PM–3:20 PM
1241738 Design, Development, Construction, and Characterization of a New System for the Speed of Sound Measurement in Semisolid and Liquid Biological Samples
López, Sergio*; Vera, Arturo; Leija, Lorenzo

3:20 PM–3:27 PM
1241401 Effect of Broad Scatterer Size Distributions on Estimates of Effective Scatterer Diameter
Nordberg, Eric*; Hall, Timothy

3:27 PM–3:34 PM
1234999 Susceptibility of Backscatter Coefficient Estimates to Nonlinear Wave Propagation
Rosado-Mendez, Ivan*; Madsen, Ernest; Hall, Timothy; Zagzebski, James
3:34 PM–3:41 PM
1250000 Novel Conventional Frequency Detection of Cell Death In Vivo With Neoadjuvant Chemotherapy for Locally Advanced Breast Cancer
Czarnota, Gregory*; Lee, Justin; Papanicolau, Naum; Sofroni, Ervis; Iradji, Sara; Kolios, Michael

3:41 PM–3:48 PM
1239393 Should the Mechanical Index Be Modified for Low-Frequency Applications Such as Vibroacoustography?
Church, Charles*

B & A NEURO Breast Ultrasound and Neurosonology
Grand Sonoran J–K
Moderators: Susan Ackerman, MD, and Ibid Irshad, MD

2:45 PM–3:00 PM
Luminary Speaker: Susan Ackerman, MD

3:00 PM–3:07 PM
1240106 Predictive Value of the Elasticity Imaging/B-Mode Ratio in Strain Elastography to Predict Breast Cancer Tumor Grades
Barr, Richard

3:07 PM–3:14 PM
1240519 Evaluating a New Ultrasound Image-Processing Technique for the Identification of Microcalcifications in Surgical Breast Specimens
Machado, Priscilla*; Eisenbrey, John; Cavanaugh, Barbara; Forsberg, Flemming

3:14 PM–3:21 PM
1240469 Strain Versus Shear Wave Breast Elastography: Competitors or Allies?
Barr, Richard

3:21 PM–3:28 PM
1240457 Effects of Precompression on Breast Elastography
Barr, Richard

3:28 PM–3:35 PM
1241283 Transcranial Doppler Signatures Associated With Blunt Cervical Vascular Injuries: A Prospective Pilot Study
Purvis, Dianna*; Aldaghlas, Tayseer; Rizzo, Anne; Trickey, Amber; Sikdar, Siddhartha

3:35 PM–3:42 PM
1241778 Sonographic Assessment of Normal Transient Patterns of Fetal Cerebral Lamination With Postmortem Correlation
Pugash, Denise*; Dewar, Kathryn; Lessoway, Victoria; Hendson, Glenda; Dunham, Christopher; Prayer, Daniela
Contrast-Enhanced Ultrasound 2
Grand Canyon 6
Moderator: Theresa Tuthill, MD

2:45 PM–3:00 PM
Luminary Speaker: Theresa Tuthill, MD

3:00 PM–3:07 PM
1239932 Monitoring the Early Tumor Response to Antiangiogenic Therapy Using Molecular Ultrasound Imaging
Sorace, Anna*; Saini, Reshu; Hoyt, Kenneth

3:07 PM–3:14 PM
1240743 Contrast-Enhanced Ultrasound Evaluation of the Cerebral Circulation Time in Patients With Multiple Sclerosis
Mancini, Marcello*; Brescia Morra, Vincenzo; Di Donato, Orlando; Maglio, Valentina; Lanzillo, Roberta; Liuzzi, Raffaele; Brunetti, Arturo; Salvatore, Marco

3:14 PM–3:21 PM
1237383 Volumetric Contrast-Enhanced Ultrasound Imaging of the Early Breast Cancer Response to Immunotherapy
Hoyt, Kenneth*; Sorace, Anna; Saini, Reshu

3:21 PM–3:28 PM
1237401 Comparison of Planar and Volumetric Contrast-Enhanced Ultrasound Imaging Techniques for Describing Tumor Perfusion Properties
Hoyt, Kenneth*; Sorace, Anna; Saini, Reshu

3:28 PM–3:35 PM
1238246 Differentiation of High- and Low-Grade Urothelial Carcinoma Using Contrast-Enhanced Ultrasound: Retrospective and Prospective Studies
Li, Qiuyang*; Tang, Jie

3:35 PM–3:42 PM
1241335 In Vitro and In Vivo 4-Dimensional Subharmonic Imaging
Eisenbrey, John*; Sridharan, Anush; Merton, Daniel; Machado, Priscilla; Halldorsdottir, Valgerdur; Dave, Jaydev; Liu, Ji-Bin; Zhao, Hongjia; Park, Suhyun; Dianis, Scott; Chalek, Carl; Thomenius, Kai; Forsberg, Flemming
Emergency and Critical Care Ultrasound 1

Grand Sonoran C–D

Moderator: David Bahner, MD

2:45 PM–3:00 PM
Luminary Speaker: David Bahner, MD

3:00 PM–3:07 PM
1237883 Development of an Advanced Ultrasound Training Program for Medical Students
Royall, Nelson*; Bahner, David

3:07 PM–3:14 PM
1167562 Does Bedside Ultrasound Training in Fourth-Year Medical Students Improve the Accuracy of Vertical Liver Span Measurements?
Blackstock, Uche*; Saul, Turandot; Lewis, Resa

3:14 PM–3:21 PM
1241298 Incorporation of Focused Ultrasonography Into a Critical Care Training Fellowship: Validation of an Education Model
Nunley, David*; Dresbach, Sereana; Adkins, Eric; Bahner, David

3:21 PM–3:28 PM
1151002 Ultrasound-Guided Catheter Over Needle Internal Jugular Vein Catheterization
Zwank, Michael*; Anderson, Christopher

3:28 PM–3:35 PM
1239568 Description of a New Classification System for Sonographic Images of Soft Tissue Abscesses
Gaspari, Romolo*; Montoya, Anthony; Blehar, David

3:35 PM–3:42 PM
1241334 Impact of Attitude (Interest) on Focused Ultrasonography Knowledge in Medical Students: Operationalizing a Measure of Impact
Dresbach, Sereana; Bahner, David*
High-Frequency Clinical and Preclinical Imaging and Interventional and Intraoperative Ultrasound

Grand Canyon 4–5

Moderator: Gregory Czarnota, PhD, MD

2:45 PM–3:00 PM
Luminary Speaker: Gregory Czarnota, PhD, MD

3:00 PM–3:07 PM
1239974 Real-time Ophthalmic Imaging With High-Frequency Annular Arrays
Ketterling, Jeffrey*; Filoux, Erwan; Gross, Daniel; Silverman, Ronald

3:07 PM–3:14 PM
1242387 Noninvasive Monitoring of Allograft Arteriopathy Using High-Resolution Ultrasound in Hand Transplantation
Keith, Jonathan*; Fletcher, Derek; Brandacher, Gerald; Schneeberger, Stefan; Kim, Kang; Lee, W. P. Andrew

3:14 PM–3:21 PM
1241152 Transient Elastography of Small Rodents: Application to Liver Stiffness Measurement
Bastard, Cécile*; Bosisio, Matteo; Chabert, Michèle; Kalopissis, Athina; Mahrouf-Yorgov, Meriem; Gilgenkrantz, Helène; Miette, Véronique; Sandrin, Laurent

3:21 PM–3:28 PM
1240825 Assessment of Corneal Elasticity Using Whole-Globe Inflation Testing
Urs, Raksha*; Silverman, Ronald

3:28 PM–3:35 PM
1240493 Comparative Measurements of Corneal Thickness Distribution by High-Frequency Ultrasound and Optical Coherence Tomography
Silverman, Ronald*; Urs, Raksha; Feng, Matthew; Ursea, Roxana

3:35 PM–3:42 PM
1240435 Ultrasound-Guided Core Biopsy of Thyroid Nodules: Safety and Diagnostic Accuracy
Ahmed, Khaled*; Al Mansari, Abdelqawi; Dahaba, Nader

3:42 PM–3:49 PM
1244683 Methods for Successful Psychological Management During Ultrasound-Guided Procedures
McNamara, Michael Jr
Musculoskeletal Ultrasound

Grand Canyon 8
Moderator: Colin Strickland, MD

2:45 PM–3:00 PM
Luminary Speaker: Humberto Rosas, MD

3:00 PM–3:07 PM
1239876 Quantitative Ultrasound of Muscle Following Nerve Injury in Newborn Brachial Plexus Palsy
Zaidman, Craig*; Holland, Mark; Pestronk, Alan

3:07 PM–3:14 PM
1241280 Office-Based Elastographic Technique for Quantifying Mechanical Properties of Skeletal Muscle
Ballyns, Jeffrey; Otto, Paul; Shah, Jay; Hammond, Jennifer; Gebreab, Tadesse; Gerber, Lynn; Sikdar, Siddartha*

3:14 PM–3:21 PM
1235656 Anterior Talofibular Ligament Thickness in Injured Ankles
Bonic, Eve; Haun, Daniel*; Kettner, Norman

3:21 PM–3:28 PM
1238149 Ultrasound Screening and Guiding Treatment for Neonatal Hip Dysplasia in High-Risk Neonates: Our Experience
Ahmed, Khaled*; El Naggar, Ahmed

3:28 PM–3:35 PM
1232611 A Portal With a View: Lateral Suprapatellar Pouch Portal
Cronkey, Joseph

aium postgraduate course
In Collaboration with Mayo Clinic
July 19–21, 2012
Mayo Clinic • Rochester, Minnesota

Hands-on Diagnostic and Interventional Musculoskeletal Ultrasound in the Lower Limb: A Problem-Solving Approach
Register online at www.aium.org
Obstetrics: New Techniques and Fetal Echocardiography

Grand Sonoran F

Moderator: Greggory DeVore, MD

2:45 PM–3:00 PM
Luminary Speaker: Greggory DeVore, MD

3:00 PM–3:07 PM
1239944 Two-Dimensional Ultrasound Cine Imaging Improves Confidence in the Initial Evaluation of the Fetal Heart
Poole, Patricia*; Lacoursiere, Yvette; Rossi Palmieri, Carolina; Hull, Andrew; Chung, Romy; Trivedi, Neha; Engelkemier, Dawn; Rochelle, Michele; Pretorius, Dolores

3:07 PM–3:14 PM
1238419 iPhone and iPad Technology as a Novel Curricular Adjunct for Obstetric and Gynecologic Ultrasound Teaching
Rodney, John*; Arnold, Kelly; Sigman, Robert; Rodney, William

3:14 PM–3:21 PM
1241287 Three-Dimensional Sonographic Parameters of the Cervix in Asymptomatic Women With Singleton Pregnancies at Increased Risk of Preterm Delivery
Ahmed, Ahmed*; Tal, Reshef; Haberman, Shoshana

3:21 PM–3:28 PM
1241809 Outcomes of Neonates With Congenital Heart Disease Following Emergent Postnatal Cardiac Intervention
Pruetz, Jay*; Carroll, Caitlin; Trento, Luca; Chang, Ruy; Detterich, Jon; Sklansky, Mark

3:28 PM–3:35 PM
1240355 First-Trimester Detection of Congenital Heart Defects During Routine Nuchal Translucency Screening: A Prospective Study
DeVore, Greggory*; Polanco, Bardo

3:35 PM–3:42 PM
1241341 Use of High-Definition Color Doppler Ultrasound Helps Significantly Improve Fetal Cardiac Imaging in Early Gestation
Sinkovskaya, Elena*; Horton, Sharon; Talley, Katherine; Berkley, Eliza; Miller, Jena; Abuhamad, Alfred
Obstetrics: Uterus, Placenta, Cervix, and Multiple Gestations

Grand Sonoran G

Moderator: Joaquin Santolaya, MD

2:45 PM–3:00 PM
Luminary Speaker: Joaquin Santolaya, MD

3:00 PM–3:07 PM
1242543 Doppler Visualization of Ovarian Veins After Cesarean Delivery: A Prospective Look
Strickland, Diana; Livingston, Jeffrey*; Collins, Katie; Hutchens, Michelle

3:07 PM–3:14 PM
1231027 Intraobserver and Interobserver Variability in the Evaluation of First-Trimester Placental Volume by 3-Dimensional Ultrasound
Muscat, Jolene*; Chavez, Martin; Demishev, Michael; Allaf, Baraa; Ogburn, Paul; Vintzileos, Anthony

3:14 PM–3:21 PM
1238204 Amniotic Fluid Assessment in Monochorionic Diamniotic Twins: Which Technique Correlates Best With the Neonatal Outcome?
Jessel, Rebecca*; Thomas, Ann; Robinson, Julian; Benson, Carol; Smith, Nicole

3:21 PM–3:28 PM
1240844 Prediction of Obstetric Outcomes in Monochorionic Diamniotic Twin Pregnancies by First-Trimester Screening Ultrasound
Allaf, M. Baraa*; Ravangard, Samadh; Wax, Joseph; Chavez, Martin; Borgida, Adam; Shamshirsaz, Amirhoushang; Markenson, Glenn; Campbell, Winston; Vintzileos, Anthony; Egan, James; Figueroa, Reinaldo; Lee, Christopher; Cartia, Angelina; Shamshirsaz, Alireza

3:28 PM–3:35 PM
1236880 Ultrasound Accuracy of Estimated Fetal Weight in Twins
Harper, Lorie*; Roehl, Kimberly; Tuuli, Methodius; Odibo, Anthony; Cahill, Alison

3:35 PM–3:42 PM
1240714 Prediction of Neonatal Outcomes in Monochorionic Diamniotic Twin Pregnancies by First-Trimester Screening Ultrasound
Allaf, M. Baraa*; Markenson, Glenn; Ravangard, Samadh; Wax, Joseph; Figueroa, Reinaldo; Campbell, Winston; Vintzileos, Anthony; Egan, James; Chavez, Martin; Shamshirsaz, Amirhoushang; Borgida, Adam; Lee, Christopher; Cartia, Angelina; Shamshirsaz, Alireza
Special Interest Session

High-Frequency Vascular Imaging, Part 1
Grand Sonoran H–I

Moderator: Jonathan Mamou, PhD

Vascular imaging has been an integral part of ultrasound examinations for many years. Doppler modes and contrast agents have become widely available and have led to many clinical and preclinical studies of vascular pathologies. The objective of this session is to present and review state-of-the-art methods to investigate smaller-scale vessels in animal models and humans using high-frequency ultrasound.

2:45 PM–3:15 PM
High-Frequency Ultrasound and Optoacoustic Biomicroscopy of Mouse Embryos
Parag Chitnis, PhD

3:15 PM–3:45 PM
Photoacoustic Imaging of the Microvasculature
Roger Zemp, PhD

Web Education Committee Meeting
Desert Suite VI
Three- and Four-Dimensional Volume Data Set Manipulation: Obstetrics

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.

**GE Healthcare**
Grand Canyon 2
*Faculty: Kathleen Kuhlman, MD, and Deborah D’Agostini, RDMS*

**Philips Healthcare**
Grand Canyon 1
*Faculty: Luis Gonçalves, MD*

**Samsung Medison America, Inc**
Grand Canyon 3
*Faculty: Pam Foy, RDMS, and Britton Rink, MD*

**3:45 PM–4:15 PM**
Community of Practice Meetings

**HFI** High-Frequency Clinical and Preclinical Imaging
Grand Sonoran H–I

**SONO** Practice of Sonography
Grand Sonoran G

**3:45 PM–4:15 PM**
Refreshment Break in the Exhibit Hall
4:15 PM–5:15 PM
Community of Practice Meetings

**ERCC**  Emergency and Critical Care Ultrasound
Grand Sonoran C–D

**FE**  Fetal Echocardiography
Grand Sonoran J–K

**IVIO**  Interventional–Intraoperative Ultrasound
Grand Canyon 4–5

4:15 PM–5:15 PM
Endowment for Education and Research Committee Meeting
Desert Suite VIII

4:15 PM–5:15 PM
Film Panel Sessions

**G&A**  General Ultrasound
Grand Canyon 6
Moderator: Sharlene Teefey, MD
Panelists: Seerat Aziz, MD, Robert Harris, MD, and Franklin Tessler, MD, CM

**GYN**  Gynecologic Ultrasound
Grand Canyon 7
Moderator: Ilan Timor-Tritsch, MD
Panelists: Carol Benson, MD, and Leeber Cohen, MD

**OB**  Obstetric Ultrasound
Grand Canyon 8
Moderator: Janice Byrne, MD
Panelist: Joan Mastrobattista, MD, Mary O’Day, MD, Thomas Shipp, MD, and Isabelle Wilkins, MD
**Special Interest Sessions**

**Clinical Applications of Quantitative Ultrasonography**

**Grand Sonoran F**

*Moderator: James Miller, MS, PhD*

This session will address present and future applications of quantitation in ultrasonography. Quantitation is a recent trend in imaging in general, and there are many exciting new applications for quantitation in ultrasound. This lecture will include discussions of quantitation in elastography, including both strain and shear wave estimates for such applications as breast and prostate tumor characterization, liver fibrosis, and the differentiation between fibrosis and edema/inflammation in Crohn's disease. New 2-dimensional arrays are opening up a whole field of real-time quantitative flow imaging. Examples of new developments in 3-dimensional ultrasound to measure umbilical cord blood flow, cardiac output, and stroke volume will be presented.

4:15 PM–5:15 PM  
Clinical Applications of Quantitative Ultrasonography  
Jonathan Rubin, MD, PhD

**Correlation of Computed Tomographic Angiography, Magnetic Resonance Angiography, and Ultrasound**

**Grand Sonoran G**

*Moderators: John Blebea, MD, and Jennifer McDowell, RVT, RDMS, RT*

This session is designed to discuss how to correlate computed tomographic angiographic and magnetic resonance angiographic findings with Doppler findings.

4:15 PM–4:30 PM  
Lower Extremity  
Jae-Sung Cho, MD

4:30 PM–4:45 PM  
Aorta  
David Dawson, MD

4:45 PM–5:00 PM  
Comparison Between Computed Tomographic Angiography, Magnetic Resonance Angiography, and Ultrasound in Assessment of Carotid Disease  
Zsolt Garami, MD

5:00 PM–5:15 PM  
Transcranial Doppler Imaging: A Complementary Ultrasound Technique in Evaluation of Patients With Carotid Disease  
Eva Bartels, MD
High Frequency Vascular Imaging, Part 2

Grand Sonoran H–I

Moderator: Jonathan Mamou, PhD

Vascular imaging has been an integral part of ultrasound examination for many years. Doppler modes and contrast agents have become widely available and have led to many clinical and preclinical studies of vascular pathologies. The objective of this session is to present and review state-of-the-art methods to investigate smaller-scale vessels in animal models and humans using high-frequency ultrasound.

4:15 PM–4:45 PM  Imaging Evaluation of Tissue Components, Biomechanics, and Blood Flow by High-Frequency Ultrasound
Yoshifumi Saijo, MD, PhD

4:45 PM–5:15 PM  Intravascular Ultrasound Elastography and Modulography of Coronary Atherosclerotic Plaques to Predict Rupture Vulnerability
Guy Cloutier, PhD

Pediatric Spinal Canal: What’s the Verdict?

Grand Sonoran E

Moderator: Michael DiPietro, MD

Speakers: Dorothy Bulas, MD, Michael DiPietro, MD, Vesna Kriss, MD, Lisa Lowe, MD, and Harriet Paltiel, MD

This session is designed to educate radiologists and sonographers on the value of ultrasound in diagnosing anomalies of the spine in the fetus and newborn and to provide an update on the role of sonography for surgical planning of children with spinal canal anomalies.

4:15 PM–4:30 PM  Spinal Imaging
Lisa Lowe, MD

4:30 PM–4:45 PM  Advanced Imaging of the Fetal Brain and Spine: Impact on Perinatal Care
Dorothy Bulas, MD

4:45 PM–5:00 PM  Ultrasonography of the Spine in the Perinatal and Postnatal Period
Michael DiPietro, MD

5:00 PM–5:15 PM  Questions and Answers
7:00 PM–11:00 PM
Leadership Banquet
(by invitation only)

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- Dedicated Thyroid/Parathyroid Ultrasound
- Fetal Echocardiography
- Gynecologic Ultrasound
- Urologic Ultrasound

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www.aium.org  
Convention • Saturday, March 31  95
The AIUM Career Center

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Looking for qualified applicants?

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To access the Career Center, visit www.aium.org.
Sunday, April 1

Convention

Schedule at a Glance

7:00 AM–8:00 AM  
*Journal of Ultrasound in Medicine* Editorial Board Meeting  
Just Images and Comprehensive Refresher Sessions

8:15 AM–9:15 AM  
Exhibitor Advisory Council Meeting

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

10:15 AM–10:45 AM  
Refreshment Break in the Exhibit Hall

10:45 AM–12:30 PM  
Hands-on Special Interest Session

12:30 PM–1:30 PM  
Community of Practice Council Meeting

1:30 PM–3:30 PM  
Special Interest Sessions

1:30 PM–3:30 PM  
Executive Committee Meeting

3:45 PM–4:15 PM  
AIUM Business Meeting

4:30 PM–7:00 PM  
Board of Governors Meeting

See Community Meetings tab for Interest Group meeting times.
AIUM CME Opportunities

2012 Postgraduate Courses

Hands-on Diagnostic and Interventional Musculoskeletal Ultrasound in the Lower Limb: A Problem-Solving Approach
July 19–21, 2012 • Mayo Clinic • Rochester, Minnesota
Course Chair: Jay Smith, MD

Point-of-Care Ultrasound for the Emergency and Critically Ill Patient
A Comprehensive Didactic and Hands-on Course for All Clinicians Involved in Treating Acutely Ill Patients
August 3–5, 2012 • Caesars Palace • Las Vegas, Nevada
Course Chairs: Michael Blaivas, MD, and Vicki Noble, MD

Thyroid and Parathyroid Ultrasound Imaging and Update on Thyroid Disorders
August 3–5, 2012 • Caesars Palace • Las Vegas, Nevada
Course Chairs: Jill Langer, MD, and Daniel Duick, MD

Register online at www.aium.org.

2013 AIUM Annual Convention
April 6–April 9, 2013 • New York Marriott Marquis Hotel • New York, New York

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

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

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

Visit www.aium.org for more information.
7:00 AM–8:00 AM

**Journal of Ultrasound in Medicine**

**Editorial Board Meeting**

Desert Suites IV–VI

7:00 AM–8:00 AM

**Just Images and Comprehensive Refresher Sessions**

**Contrast-Enhanced Ultrasound: Applications in the Liver and Abdominal Transplants**

Grand Sonoran H–I

*Moderator: Ulrike Hamper, MD*

The objective of this session is to describe applications of contrast-enhanced ultrasound in the liver and abdominal transplants, including characterization of focal masses, transplant evaluation, and the patency of liver vasculature.

7:00 AM–7:30 AM  Benign and Malignant Liver Lesions  
*Stephanie Wilson, MD*

7:30 AM–8:00 AM  Liver and Renal Transplants  
*Paul Sidhu, BSc, MRCP, FRCR*

**Fetal Cardiac Anomalies: 3- and 4-Dimensional Cases**

Grand Canyon 6

*Moderators: Liat Gindes, MD, and Wesley Lee, MD*

*Speakers: Reuven Achiron, MD, Liat Gindes, MD, and Wesley Lee, MD*

The objective of this session is to view and discuss cases of fetal cardiac anomalies diagnosed using 3- and 4-dimensional sonography.

**Hepatobiliary Imaging**

Grand Canyon 3–5

*Moderator: Leslie Scoutt, MD*

*Speakers: Nira Beck-Razi, MD, and Shweta Bhatt, MD*

This session is designed to describe the imaging techniques of the liver, gallbladder, and pancreas, to help understand the pitfalls of the techniques, and to describe the sonographic findings of gallbladder disease and portal hypertension.
Interesting Cases in the Pediatric Neck
Grand Canyon J-K

Moderator: Eva Rubio, MD

Speakers: Beth Kline-Fath, MD, Martha Munden, MD, and Eva Rubio, MD

This session will cover sonographic cases with regard to congenital malformations and developmental lesions affecting soft tissue and vessels in the pediatric neck.

Maintaining Advanced Quality With Fiscal Responsibility
Grand Sonoran F

Moderator: James Pennington, RDMS, RVS

Speakers: Joseph Adashek, MD, and James Pennington, RDMS, RVS

This session is designed to help attendees understand the balance of business and science.

Nonfetal Obstetrics: Placenta, Membranes, and Cervix
Grand Sonoran E

Moderator: Harris Finberg, MD

Speaker: Harris Finberg, MD

This session will review the ultrasound evaluation of the placenta, membranes, and cervix.

Thoracic Ultrasound in the Emergency and Critical Care Patient
Grand Canyon 8

Moderator: James Tsung, MD

Speakers: Anthony Dean, MD, and James Tsung, MD

This session will discuss advanced ultrasound applications in evaluating thoracic and cardiac emergencies in settings ranging from the emergency department to the intensive care unit and the operating suite. The latest innovations and data will be included in comprehensive coverage of the topic.
Special Interest Sessions

Basic Obstetric Ultrasound
Grand Canyon 9–13

**Moderator: Jude Crino, MD**

This session is appropriate for those with experience in basic-level obstetric ultrasound or who have attended the basic-level hands-on session in the morning. Participants will scan second-trimester pregnant models with supervision by sonographer and physician experts. The class size will be limited to 3 students per instructor. Skills taught in this basic-level session include detailed basic obstetric ultrasound to better learn your machine settings for fetal biometrics, fetal anomalies, and more.

8:15 AM–10:15 AM  Hands-on Scanning

*Julia Solomon, MD, Christina Bird, BS, RDMS, RVT, Kathleen Bradley, MD, Jenice Gonyea, RDMS, RTR, Joseph Wax, MD, Sharon Horton, RDMS, RT, Luis Izquierdo, MD, and Celeste Sheppard, MD*

Diagnosing and Treating Venous Disease
Grand Sonoran F

**Moderators: Salvatore LaRusso, MEd, RDMS, RT(R), and John Pellerito, MD**

By the end of this session, participants should be able to: discuss the sonographic criteria for detecting venous thrombosis, discuss the sonographic criteria for detecting venous reflux, and list different treatment options for patients with venous thrombosis or venous reflux.

8:15 AM–8:35 AM  Ultrasound Diagnosis of Venous Thrombosis

*Deborah Rubens, MD*

8:35 AM–8:55 AM  Controversies in Diagnosis

*Laurence Needleman, MD*

8:55 AM–9:15 AM  Treatment: Thrombolysis and Intravascular Ultrasound

*Patricia Thorpe, MD*

9:15 AM–9:35 AM  Diagnosing and Treating Venous Disease

*Evan Unger, MD*

9:35 AM–9:55 AM  Diagnosis of Reflux

*Jennifer McDowell, RVT, RDMS, RT*

9:55 AM–10:15 AM  Treatment of Reflux

*Alessandra Puggioni, MD*
Evaluation of Fetal Cardiac Function: Live Demonstration

Grand Canyon 6

**Moderator: Greggory DeVore, MD**

The objective of this session is to learn how to evaluate fetal cardiac function. Topics to be discussed include normal and abnormal cardiac function, 2-dimensional methods, 3- and 4-dimensional methods, spectral Doppler imaging, tissue Doppler imaging, and the myocardial performance index.

8:15 AM–9:15 AM  Normal and Abnormal Cardiac Function (2-Dimensional Methods, Spectral Doppler, and Tissue Doppler) and Live Demonstration  
Greggory DeVore, MD

9:15 AM–10:15 AM  Evaluation of Fetal Cardiac Function With 3- and 4-Dimensional Methods (3- and 4-Dimensional Ultrasound, M-Mode Tricuspid Annual Plane Systolic Excursion, and Myocardial Performance Index)  
Simcha Yagel, MD

Newborn Neurosonography in the Acute Care Setting

Grand Sonoran H-I

**Moderator: Beth McCarville, MD**

The objective of this session is to educate radiologists and sonographers about the utility of transcranial Doppler ultrasound and head ultrasound in the newborn acute care setting.

8:15 AM–8:45 AM  Neonatal Intracranial Hemorrhage  
Harriet Paltiel, MD

8:45 AM–9:15 AM  Utilization of Ultrasound Guidance in the Performance of Lumbar Punctures in Pediatric Patients  
Fernando Lopez, MD

9:15 AM–9:45 AM  Transcranial Doppler Ultrasound in the Acute Care Setting  
Lisa Lowe, MD

9:45 AM–10:15 AM  Head, Ocular, and Optic Nerve Sheath Ultrasound in the Pediatric Emergency Department  
James Tsung, MD
Hands-on Applications of Therapeutic Ultrasound: Physical Effects, Practical Methods and Their Relationship to Diagnostic Imaging

Grand Canyon B

Moderators: Keith Wear, PhD, and Maggie Zhang, MD, PhD

Ultrasound has a long, well-known history of use in medicine for diagnostic imaging applications. It has an even longer history of use in physical therapy for musculoskeletal disorders. In recent years, the medical application of ultrasound has expanded into new applications. Ultrasound is being used, either by itself or in combination with drugs, in the treatment of diabetes, stroke, cancer, cardiovascular diseases, infections, osteoporosis, thrombosis, glaucoma, nerve damage, aging skin, wounds, muscle spasms, and bone fractures. Some of these treatments have already been approved by the US Food and Drug Administration for clinical use, whereas others are at various stages of development. The amazing versatility of ultrasound in medical therapies lies in the multiplicity of its interactions with cells, membranes, and tissues. This session will provide hands-on presentations showing how ultrasound can affect tissues, with industry partners in various stages of commercial development of their systems. Demonstrations will include ultrasound-assisted thrombolysis of bovine blood clots, ultrasound-mediated transdermal drug delivery, and high-intensity focused ultrasound surgical ablation.

8:15 AM–8:45 AM  Microbubble and Ultrasound Enhancement of Radiation-Induced Tumor Cell Death In Vivo (Ultrasound Physics)
  Gregory Czarnota, MD, PhD

8:45 AM–9:05 AM  Hands-on Demonstrations of Ultrasound Physics and Therapy
  J. Brian Fowlkes, PhD, George Lewis, PhD, and Maggie Zhang, MD, PhD

9:05 AM–9:35 AM  Microbubbles in Ultrasound: Their Role Beyond Contrast Agents (Therapeutic Applications)
  Christy Holland, PhD

9:35 AM–10:05 AM  Clinical Safety and Monitoring in Therapeutic Ultrasound Procedures
  Srirambelaji Shunmugavelu, PhD

10:05 AM–10:15 AM  Questions and Answers
New Techniques in Biopsy Combined With New Materials

Moderator: Corinne Deurdulian, MD

Attendees will be able to (1) understand the newer techniques using sonographic and computed tomographic fusion and sonographic and magnetic resonance imaging fusion and (2) understand and become familiar with the newer needles and catheters and various kits used currently for biopsy.

8:15 AM–8:55 AM  The Procedure Patient: Preparation, Coagulation, and Management
Corinne Deurdulian, MD

8:55 AM–9:35 AM  When to Choose an Ultrasound Procedure
David Madoff, MD

9:35 AM–10:15 AM  The Role of Ultrasound Fusion in Interventions: What’s New?
Hisham Tchelepi, MD

Pregnancies in Unusual Places

Moderator: Peter Doubilet, MD, PhD

This session will present a review of 645 cases in the literature using 28 different treatment approaches, including 89 misdiagnoses and 245 severe complications, many ending with laparotomies and hysterectomies. Our own experience with 24 such pregnancies and successful and uncomplicated local intragestational puncture injections of methotrexate with transvaginal sonographic guidance will be included.

8:15 AM–8:55 AM  Local Injections of Cesarean Section Scar Pregancies: Diagnosis and Management
Ilan Timor-Tritsch, MD

Ana Monteagudo, MD, RDMS

9:35 AM–10:15 AM  Local Injections of Ectopic Pregancies
Peter Doubilet, MD, PhD
Transplant Imaging
Grand Canyon 3–5

**Moderators: Erin Doudt, MD, and Vikram Dogra, MD**

This session will describe the techniques of imaging in liver and renal transplants, discuss the complications of liver transplants, discuss the role of duplex Doppler imaging in pancreas transplants, and discuss the complications of renal transplants and their interpretation.

**8:15 AM–8:45 AM**
*Pancreas Transplants*
Edward Bluth, MD

**8:45 AM–9:15 AM**
*Imaging Technique for Liver Transplants and Doppler Techniques*
Nancy Carson, MD

**9:15 AM–9:45 AM**
*Ultrasound Evaluation of Vascular Complications of Liver Transplant Recipients*
Leslie Scoutt, MD

**9:45 AM–10:15 AM**
*Vascular Complications of Renal Transplants*
Ulrike Hamper, MD

**Ultrasound of Hernias and the Hip**

Grand Canyon 7

**Moderator: Marnix van Holsbeeck, MD**

After this session, attendees will know how and when to perform musculoskeletal ultrasound examinations to evaluate sports hernias, inguinal hernias, and hip pathology.

**8:15 AM–10:15 AM**
*Ultrasound of Hernias and the Hip: Lecture and Live Demonstration*
Marnix van Holsbeeck, MD
9:00 AM–10:00 AM  
**Ultrasound in Medical Education Interest Group Meeting**  
Desert Suite II  
See page 156 for details.

8:15 AM–9:15 AM  
**Exhibitor Advisory Council Meeting**  
Desert Suite VIII

9:15 AM–10:15 AM  
**Sound Judgment–Clinical Vignette Task Force Meeting**  
Desert Suite VII

10:00 AM–11:00 AM  
**Ultrasound in Global Health Interest Group Meeting**  
Desert Suite III  
See page 154 for details.

10:15 AM–10:45 AM  
**Refreshment Break in the Exhibit Hall**
Oral Sessions

Learn about the latest research in ultrasound in concise 7-minute presentations; * indicates presenter.

**Basic Science: Tissue Characterization**

*Grand Sonoran E*

*Moderators: Ernest Feleppa, PhD, and James Zagzebski, PhD*

**10:45 AM–10:52 AM**

1236548  
*A Novel Nonlinear Analysis in Ultrasound Elasticity Imaging of Edema and Fibrosis in Crohn's Disease*  
Rubin, Jonathan*; Xu, Jingping; Tripathy, Sakya; Stidham, Ryan; Johnson, Laura; Higgins, Peter; Kim, Kang

**10:52 AM–10:59 AM**

1241624  
*Comparison Between 3-Dimensional B-Mode, Acoustic Radiation Force Impulse, and Magnetic Resonance Human Prostate Image Volumes In Vivo*  
Nightingale, Kathy*; Hsu, Christina; Rosenzweig, Stephen; Rouze, Ned; Palmeri, Mark; Gupta, Rajan; Kulbacki, Evan; Madden, John; Polascik, Thomas

**10:59 AM–11:06 AM**

1240546  
*Photoacoustic Imaging for Prostate Cancer Detection: Preliminary Results*  
Dogra, Vikram; Bhatt, Shweta; Chinni, Bhargava; Valluru, Keerthi*; Rao, Navalqundi, Ghazi, Ahmed; Yao, Jorge; Joseph, Jean

**11:06 AM–11:13 AM**

1235024  
*Clinical Potential of 3-Dimensional High-Frequency Quantitative Ultrasound for the Detection of Metastases in Lymph Nodes of Colorectal and Gastric Cancers*  
Saegusa-Beecroft, Emi*; Mamou, Jonathan; Machi, Junji; Hata, Masaki; Coron, Alain; Yanagihara, Eugene; Oelze, Michael; Yamaguchi, Tadashi; Laugier, Pascal; Feleppa, Ernest

**11:13 AM–11:20 AM**

1241282  
*Detection of Layers of Aligned Collagen in Human Cervical Tissue Using Ultrasound*  
Reusch, Lisa*; Feltovich, Helen; Carlson, Lindsey; Dahl, Jeremy; Palmeri, Mark; Eliceiri, Kevin; Hall, Timothy

**11:20 AM–11:27 AM**

1241423  
*Quantitative Characterization of In Vivo Breast Masses Using Ultrasound Attenuation and Backscatter*  
Nam, Kibo*; Zagzebski, James; Hall, Timothy
11:27 AM–11:34 AM
1229416  Quantitative Breast Tissue Characterization With Inverse Scattering Using TechniScan's Whole-Breast Ultrasound Scanner
Wiskin, James*; Borup, David; Andre, Michael; Ojeda-Fournier, Haydee; Olson, Linda; Johnson, Steve

11:34 AM–11:41 AM
1241347  Comparison of Features Derived From Full-Shear and Axial-Shear Strain for Breast Mass Classification
Xu, Haiyan*; Varghese, Tomy; Madsen, Ernest

11:41 AM–11:48 AM
1241406  High-Resolution Imaging of Breast Microcalcifications With a Real-time Synthetic-Aperture Ultrasound System
Huang, Lianjie*; Labyed, Yassin; Sandoval, Daniel; Heintz, Philip; Rosenberg, Robert; Williamson, Michael

11:48 AM–11:55 AM
1241363  Nonlinear Elasticity Imaging for Breast Cancer Diagnosis
Oberai, Assad; Barbone, Paul; Hall, Timothy*; Goenezen, Sevan; Dord, Jean-Francois; Sink, Zac; Jiang, Jingfeng

11:55 AM–12:02 PM
1240791  Assessing Individual Myocardial Structure With Echocardiographic Backscatter
Milne, Michelle*; Singh, Gautam; Miller, James; Holland, Mark

12:02 PM–12:09 PM
1240855  Echocardiographic Tissue Characterization Measurements of the Right Ventricle Discriminate the Need for Respiratory Support in Premature Infants
Levy, Philip,* Holland, Mark; Singh, Gatuam; Hamvas Aaron

Emergency and Critical Care Ultrasound 2
Grand Canyon 7
Moderator: Michael Blaivas, MD

10:45 AM–11:00 AM
Luminary Speaker: Michael Blaivas, MD

11:00 AM–11:07 AM
1229686  Bumps: Bedside Ultrasound Maximizes Patient Satisfaction
Howard, Zoe*; Noble, Vicki; Sajed, Dana; Bertuzzi, Bianca; Rodrigues, Marcio; Liteplo, Andrew
11:07 AM–11:14 AM
1162975 Emergency Department Patients Evaluated by Bedside Biliary Ultrasonography: Does Radiology Ultrasonography Alter the Disposition? Conway, Daniel*; Baden, Eric; Anderson, Kenton; Summers, Shane; Dufresne, Gary

11:14 AM–11:21 AM
1239655 Emergency Department Training of Ultrasound-Guided Peripheral Vascular Access Effectively Prioritizes Utilization of Central Venous Catheterization Shokoohi, Hamid*; Boniface, Keith; Yadav, Kabir; McCarthy, Melissa; Khedir Al-Tiae, Tareq; Sattarian, Mehdi; Liu, Yiju Teresa; Schoenfeld, Elizabeth

11:21 AM–11:28 AM
1235891 Emergency Department (ED) Pelvic Ultrasound Reduces the ED Length of Stay Compared to Radiology Pelvic Ultrasound Chan, Connie; Chiem, Alan*; Ibrahim, Deena; Maldonado, Graciela; Anderson, Craig; Vandordaklou, Negean; Wu, Daniel; Gilani, Chris; Williams, Marcus; Fox, J. Christian

11:28 AM–11:35 AM
1217174 Soft Tissue Ultrasound Is More Detailed Than Computed Tomography for Superficial Abscesses Gaspari, Romolo*; Dayno, Matthew; Helland, Gregg

11:35 AM–11:42 AM
1162503 Comparison of Serial Qualitative and Quantitative Assessments of the Caval Index and Left Ventricular Systolic Function During Acute Volume Loading of Hypotensive Emergency Department Patients Weekes, Anthony*; Tassone, Heather; Babcock, Alan; Quirke, Dale; Norton, H. James; Jayarama, Krishnaraj; Tayal, Vivek

11:42 AM–11:49 AM
1240807 Identification of Pulmonary Edema on Lung Ultrasound Versus Chest Radiography Martindale, Jennifer; Noble, Vicki; Liteplo, Andrew*

11:49 AM–11:56 AM
1240710 Effect of Weight-Based Volume Loading on the Inferior Vena Cava in Fasting Subjects: A Randomized Prospective Double-Blind Trial Lewis, Margaret*; Weekes, Anthony; Kahler, Zachary; Stader, Donald; Quirke, Dale; Norton, H. James; Almond, Courtney; Middleton, Dawn; Zhou, Jie; Tayal, Vivek
11:56 AM–12:03 PM
1241281 A Prospective Blinded Analysis of Single-Operator Optic Nerve Sheath Diameter Measurement for Elevated Intracranial Pressure
Rosen, Sasha; Frumin, Erica*; Rosen, Mark; Fox, J. Christian;
Wiechmann, Warren; Maldonado, Graciela; Hata, Stacey

12:03 PM–12:10 PM
1238517 Accuracy of Point-of-Care Ultrasound for Detecting Hydronephrosis in Suspected Renal Colic
Rosenberg, Graeme*; Herbst, Meghan; Moore, Christopher

12:10 PM–12:17 PM
1157747 Bedside Ultrasound Evaluation of Lung Infiltrates
Cohen, Stephanie*; Sivitz, Adam

**GYN Gynecology (Including Ectopic Pregnancy)**
Grand Canyon 8
*Moderator: Steven Goldstein, MD*

10:45 AM–11:00 AM
*Luminary Speaker: Steven Goldstein, MD*

11:00 AM–11:07 AM
1229012 Unilateral Versus Bilateral Polycystic Ovarian Syndrome (PCO): A Prospective Study of Infertility Patients Comparing Those With Unilateral, Bilateral, and No PCO With Regard to Body Mass Index and Cycle Regularity.
Hartman, Alex

11:07 AM–11:14 AM
1229000 Müllerian Duct Anomalies (MDAs) and Miscarriages: A Prospective Study of the Association Between Miscarriages and MDAs Using Strict Criteria in Patients With Secondary Infertility
Hartman, Alex*; Hartman, Jason

11:14 AM–11:21 AM
1228332 Utility of Color Doppler in the Evaluation of the Endometrium: A Correlational Study Between Sonography and Pathology
Runner, Gabriel*; Gerscovich, Eugenio; McGahan, John; Fodor, Alex;
Shakeri, Sharikh; Hemlata, Oswal
11:21 AM–11:29 AM  
1241458  Does Anti-Müllerian Hormone Correlate With Embryo Morphology in In Vitro Fertilization Cycles?  
Singer, Tomer; Noel, Martha; Huang, Jack; Zaninovic, Nikica; Davis, Owen; Rosenwaks, Zev; Lekovic-Bijelic, Jovana*  

11:29 AM–11:36 AM  
1223181  Ovarian Fibromas and Fibrothecomas: Ultrasound Correlation With Computed Tomography and Magnetic Resonance Imaging—A 5-Year Single-Institution Experience  
Khong, Kathleen*; Yen, Philip; Gerscovich, Eugenio; Lamba, Ramit  

11:36 AM–11:43 AM  
1229015  Is a Large Arcuate Uterus More Detrimental Than a Small One? How Important Is an Arcuate Uterus? A Prospective Study of 1280 Consecutive Patients With Secondary Infertility  
Hartman, Alex  

11:43 AM–11:51 AM  
1228991  Müllerian Duct Anomalies: A Prospective Study of General Characteristics of Patients With Uterine Malformations  
Hartman, Alex*; Hartman, Jason  

11:51 AM–11:58 AM  
1241352  Three-Dimensional Endovaginal Ultrasonography of Vulvovaginal Cysts and Masses  
Shobeiri, S. Abbas*; Quroz, Lieschen  

11:58 AM–12:05 PM  
1169939  Letrozole Use in Breast Cancer Patients Undergoing Fertility Preservation In Vitro Fertilization Is Associated With Lower Estradiol Levels but a Similar Oocyte Yield and Endometrial Thickness  
Singer, Tomer; Huang, Jack; Lekovic-Bijelic, Jovana*; Zakarin, Lauren; Schattman, Glenn; Spandorfer, Steven; Rosenwaks, Zev  

12:05 PM–12:12 PM  
1241303  Intermenstrual Bleeding Versus Menorrhagia: A Prospective Study Comparing Ultrasound Findings in 4811 Consecutive Premenopausal Patients  
Hartman, Alex*; Lee, Rose; Hartman, Jason
Obstetrics: General
Grand Canyon 6
Moderator: Jude Crino, MD

10:45 AM–11:00 AM
Luminary Speaker: Jude Crino, MD

11:00 AM–11:07 AM
1237341 Isolated Short Femur Length on Midtrimester Ultrasound: A Marker for Intrauterine Growth Restriction and Other Adverse Perinatal Outcomes
Goetzinger, Katherine*; Cahill, Alison; Macones, George; Odibo, Anthony

11:07 AM–11:14 AM
1240593 Role of the Second-Trimester Genetic Sonogram After First-Trimester Screening
Shamshirsaz, Alireza*; Benn, Peter; Borgida, Adam; Janicki, Mary Beth; Campbell, Winston; Ravangard, Samadeh; Turner, Gary; Shamshirsaz, Amirhoushang; Zelop, Carolyn; Feldman, Deborah; Ingardia, Charles; Fang, Yu Ming; Prabulos, Ann Marie; Fuller, Kisti; Gurram, Padmalantha; Sadowski, Allison; Billstrom, Rachel; Egan, James

11:14 AM–11:21 AM
1238349 Screening for Open Spina Bifida in Conjunction With Nuchal Translucency Ultrasound at 11 to 13 Weeks' Gestation: A Feasibility Study
Fong, Katherine*; Dengler, Jana; Okun, Nanette; Menezes, Ravi; Karimzad, Yasser; Flores, Shirly; Chitayat, David; Toi, Ants

11:21 AM–11:28 AM
1240045 Is There an Association Between Nuchal Translucency and Glucose Intolerance?
Miller, Emily*; Eppes, Catherine; Wong, Amy; Nelson, LaTasha

11:28 AM–11:35 AM
1241506 Does the Number of Providers Within a Practice Influence the Quality of Nuchal Translucency Measurements? Experience of the Nuchal Translucency Quality Review Program
Bromley, Bryann; Spitz, Jean*; Thornburg, Loralei; Toland, Gregory; Benacerraf, Beryl; Platt, Lawrence; Fuchs, Karin; D’Alton, Mary
11:35 AM–11:42 AM
1243570 Can Initial Credentialing and Practice Parameters Predict Providers Assigned to Required Quality Maintenance? Experience of the Nuchal Translucency Quality Review Program Bromley, Bryann; Spitz, Jean*; Thornburg, Loralei; Toland, Gregory; Benacerraf, Beryl; Fuchs, Karin; Platt, Lawrence; D'Alton, Mary

11:42 AM–11:49 AM
1241031 Borderline Amniotic Fluid Volumes Do Not Forewarn Fetal Intolerance of Labor Newton, J.*; Wood, S. Lindsay; Lesser, Karen

11:49 AM–11:56 AM
1225744 State Abortion Laws: More Laws Incorporating and Regulating Diagnostic Ultrasound? Alexander, Archie

11:56 AM–12:03 PM
1238970 The Birds and the Beans: A Low-Fidelity Simulator for Chorionic Villus Sampling Skill Acquisition Wax, Joseph*; Cartin, Angelina; Byers, Susan; Leblanc, Lynda; Daigle, Naithan; Pinette, Michael

12:03 PM–12:10 PM
1241925 Sonographic Evaluation of Abnormal Patterns of Fetal Cerebral Lamination in Type 1 Lissencephaly Pugash, Denise*; Dunham, Christopher

12:10 PM–12:17 PM
1241910 Fetal Brain Injury: Antenatal Imaging and Associated Risk Factors Pugash, Denise

ThERa  Therapeutic Ultrasound
Grand Canyon 1–2
Moderators: Kullervo Hynynen, PhD, and Maggie Zhang, PhD

10:45 am–11:00 am
Luminary Speaker: Kullervo Hynynen, PhD

11:00 AM–11:07 AM
1240541 Acute Ischemic Stroke Treatment With an Ultrasound Imaging System Shi, William; Gao, Shunji; Vignon, Francois; Liu, Jinjin; Powers, Jeff; Xie, Feng; Drvol, Lucas; Lof, John; Porter, Thomas; Seip, Ralf*
11:07 AM–11:14 AM
1240635 Effect of Mechanical Properties of Material on the Dimensions of Ultrasound Histotripsy Lesions
Xu, Jin*; Bigelow, Timothy; Davis, Gabriel

11:14 AM–11:21 AM
1240555 Cell Patterning and Vascularization of Engineered Tissue Using Ultrasound Standing Wave Field Technology
Garvin, Kelley*; Carvalho, Jasmine; Hocking, Denise; Dalecki, Diane

11:21 AM–11:28 AM
1240746 Synergistic Effects of Ultrasound-Activated Microbubbles and Doxorubicin on Short-term Survival of Mouse Mammary Tumor Cells
Ghoshal, Goutam*; Oelze, Michael; Swat, Stanley

11:28 AM–11:35 AM
1231650 Ultrasound Alters Collagen Fiber Structure Within Engineered Tissue
Garvin, Kelley; Hocking, Denise; Dalecki, Diane

11:35 AM–11:42 AM
1240798 Enhanced Gene Expression of Plasmid DNA in the Liver With Ultrasound and Microbubbles
Raju, Balasundar; Leyvi, Evgeniy; Seip, Ralf*; Sethuraman, Shriram; Shi, William; Li, Songtao; Koeberl, Dwight

11:42 AM–11:49 AM
1240909 Magnetic Resonance Imaging–Guided High-Intensity Focused Ultrasound Neurosurgery Using Inertial Cavitation to Perform Third Ventriculostomy
Alkins, Ryan*; Huang, Yuexi; Hynynen, Kullervo

11:49 AM–11:56 AM
1240876 A Conditioning Pulse Improves the Efficiency and Predictability of Histotripsy Lesions
Bigelow, Timothy*; Riesberg, Grant; Xu, Jin

11:56 AM–12:03 PM
1249993 Microbubble and Ultrasound Enhancement of Radiation-Induced Tumor Cell Death In Vivo
Czarnota, Gregory*; Karshafian, Raffi; Giles, Anoja; Iradjj, Sara; Wong, Emily; Al Mahrouki, Azza

12:03 PM–12:10 PM
1241375 Hemorrhage Near Opossum Skull Exposed To Pulsed Ultrasound and Correlation With Total Energy
Kumar, Viksit*; Bigelow, Timothy; Mullin, Kathleen; Sakaguchi, Donald
10:45 AM–12:30 PM
Special Interest Session

Hands-on: How to Do the Biopsy
Grand Canyon 9-13
Moderator: Dean Nakamoto, MD

Attendees will be able to (1) learn how to do prebiopsy preparations; (2) understand and get hands-on experience with the techniques of doing biopsies of soft tissue masses, thyroid nodules, breast masses, the liver, and kidneys; and (3) learn how to detect and manage complications.

10:45 AM–12:30 PM
Hands-on Scanning
Nami Azar, MD, Shweta Bhatt, MD, Wui Chong, MD, Corinne Deurdulian, MD, Vikram Dogra, MD, Mark Lockhart, MD, Wendy Musson, RVT, RDMS, Margaret Mendick, RDMS, Dean Nakamoto, MD, Raj Mohan Paspulati, MD, Deborah Rubens, MD, and Rajesh Sharma, MD

11:00 AM–12:00 PM
Elastography Interest Group Meeting
Desert Suite II
See page 153 for details.

12:30 PM–1:30 PM
Community of Practice Council Meeting
Desert Suites IV–VI

12:30 PM–1:30 PM
Lunch in the Exhibit Hall
12:30 PM–1:30 PM
Scientific E-Poster Discussions

New! All scientific posters presented are displayed on monitors. Peruse a variety of posters throughout the convention. See Scientific E-Posters tab for more information.

- Contrast Agents • High-Frequency Clinical and Preclinical Imaging • Interventional–Intraoperative Ultrasound
  Grand Canyon 1–2
- Emergency and Critical Care Ultrasound • Gynecologic Ultrasound
  Grand Canyon 6
- General and Abdominal Ultrasound • Pediatric Ultrasound • Neurosonology • Cardiovascular Ultrasound
  Grand Canyon 3–5

1:30 PM–3:30 PM
Executive Committee Meeting
President Boardroom

1:30 PM–3:30 PM
Special Interest Sessions

- Advanced Obstetric Ultrasound
  Grand Canyon 9–13
  **Moderator: Jude Crino, MD**
  This session is appropriate for those with experience in advanced-level obstetric ultrasound or who have attended the advanced-level hands-on session in the afternoon. Participants will scan second-trimester pregnant models with supervision by sonographer and physician experts. The class size will be limited to 3 students per instructor. Skills taught in this advanced-level session include detailed fetal anatomy, Doppler velocimetry, and basic 3- and 4-dimensional techniques.

- Hands-on Scanning
  Julia Solomon, MD, Christina Bird, BS, RDMS, RVT, Kathleen Bradley, MD, Jenice Gonyea, RDMS, RTR, Joseph Wax, MD, Sharon Horton, RDMS, RT, Luis Izquierdo, MD, and Celeste Sheppard, MD
Designing and Implementing Point-of-Care Ultrasound Research From Basic to Advanced: What Areas Are Key to Study?

**Grand Canyon 8**

**Moderator: Michael Blaivas, MD**

This session will discuss a logical approach to designing point-of-care ultrasound research projects, from short resident and fellow studies to multiyear and multicenter prospective and controlled trials. Lecturers will discuss program implementation and growth, strategies for successful research design, and how to get published. A panel discussion, including audience questions, will follow with the best published and most experienced researchers in the field.

1:30 PM–2:00 PM  
**Point-of-Care Ultrasound Research Strategies**  
*Michael Blaivas, MD*

2:00 PM–2:30 PM  
**Getting at Accuracy: Standards for Reporting of Diagnostic Accuracy Criteria, Reference Standards, Interobserver Reliability, Methodologic Problems With Diagnostic Testing, and Identifying Confounded Variables**  
*James Tsung, MD*

2:30 PM–3:00 PM  
**Methods for Evaluating Learning Curves in Point-of-Care Ultrasound Research**  
*Srikar Adhikari, MD*

3:00 PM–3:30 PM  
**Demonstrating Improved Outcomes and Cost-effectiveness in Point-of-Care Ultrasound Research**  
*Vicki Noble, MD*

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**Renal Artery Doppler Evaluation**

**Grand Canyon 7**

**Moderators: Shweta Bhatt, MD, and Mark Lockhart, MD, MPH**

This session will describe the technique of renal artery Doppler evaluation and help attendees understand the pitfalls of the technique. Attendees will also have an opportunity to perform the examination on actual patients, guided by experts.

1:30 PM–2:00 PM  
**Renal Artery Doppler Techniques**  
*Mani Montazemi, RDMS*

2:00 PM–2:30 PM  
**Renal Doppler Evaluation in Renal Transplant Patients**  
*Mark Lockhart, MD, MPH*

2:30 PM–3:00 PM  
**Evaluation of Hypertensive Patients and Role of Renal Doppler Evaluation**  
*Shweta Bhatt, MD*

3:00 PM–3:30 PM  
**Doppler Interpretation of the Renal Artery**  
*Michele Robbin, MD*
High-Frequency Preclinical and Small-Animal Imaging Studies

**Grand Canyon 1–2**

*Moderator: Gregory Czarnota, PhD, MD*

High-frequency ultrasound has become a very powerful preclinical tool. Previously, it was used primarily in ophthalmology and dermatology; it is now used for many more applications. Recent developments permit its use for tissue characterization, response monitoring, blood circulation studies, as well as small-animal embryology and preclinical disease models. The objective of this session is to present and review the state of the art in technology and data analysis for high-frequency preclinical imaging and to discuss the future directions for biomedical research in high-frequency preclinical imaging.

1:30 PM–2:00 PM  
**High-Frequency Ultrasonic Characterization of Developing Fetal Pig Hearts**  
*Mark Holland, PhD*

2:00 PM–2:30 PM  
**Microbubble Contrast Ultrasound to Monitor In Vivo Tumor Perfusion in Response to Notch Pathway Inhibitors**  
*Stanley Liu, MD, PhD*

2:30 PM–3:00 PM  
**High-Frequency Ultrasound Biomicroscopy Combined With Modeling of Wave Backscattering to Assess Mechanical Properties of Red Blood Cell Aggregates: A Surrogate Marker of Inflammation**  
*Guy Cloutier, PhD*

3:00 PM–3:30 PM  
**Mouse Cardiovascular Imaging Using High-Frequency Ultrasound: Techniques and Applications**  
*Yu-Qing Zhou, MD, PhD*

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Should Cardiac Measurements Be Obtained Routinely When Evaluating the Fetal Heart?

**Grand Canyon 6**

*Moderator: Greggory DeVore, MD*

The objective of this session is to discuss whether cardiac measurements should be obtained routinely when evaluating the fetal heart. Various approaches will be debated and reviewed.

1:30 PM–2:00 PM  
**Spectral Doppler Ultrasound: Pro**  
*Jack Rychik, MD*

2:00 PM–2:30 PM  
**Spectral Doppler Ultrasound: Con**  
*Jay Pruetz, MD*

2:30 PM–3:00 PM  
**Two-Dimensional Biomtery of the Fetal Heart: Pro**  
*Greggory DeVore, MD*

3:00 PM–3:30 PM  
**Two-Dimensional Biometry of the Fetal Heart: Con**  
*Joshua Copel, MD*
Ultrasound Image-Guided Therapy

**Grand Canyon 3–5**

*Moderators: Michael Oelze, PhD, and Keith Wear, PhD*

This session will review the technology and clinical applications of ultrasound image-guided therapy.

1:30 PM–1:35 PM  Introduction

1:35 PM–1:55 PM  Image Fusion-Guided Therapies
  
  **Nadine Abi-Jaoudeh, MD**

1:55 PM–2:15 PM  Treatment Feedback for Ultrasound-Mediated Drug and Gene Delivery
  
  **Ralf Seip, PhD**

2:15 PM–2:35 PM  Real-time Guidance and Monitoring of Lesion Formation Using Dual-Mode Ultrasound Arrays
  
  **Emad Ebbini, PhD**

2:35 PM–2:55 PM  Quantitative Ultrasound Guidance of Focal Treatment of Prostate Cancer
  
  **Ernest Feleppa, PhD**

  
  **Gregg Trahey, PhD**

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

3:45 PM–4:15 PM  AIUM Business Meeting
  
  Wildflower C

4:30 PM–7:00 PM  Board of Governors Meeting
  
  Desert Suites IV–VI
If You Don’t Tell Us, How Will We Know?
Complete Your Evaluation Form!

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.

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

AIUM Accreditation Booth
Learn more about AIUM ultrasound practice accreditation at the Accreditation Booth in the Ballroom Foyer, Level 1. Accreditation staff are available to answer your questions.

AIUM Resource Center
Ballroom Foyer • Level 1
Attention convention attendees! Between sessions and throughout the convention, stop by the AIUM Resource Center to check out all of the products that the AIUM has to offer. Members receive up to a 50% discount on most products, including ultrasound-related publications, pamphlets, CME DVD programs, merchandise, and more.

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

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
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<tbody>
<tr>
<td>Thursday, March 29</td>
<td>8:00 AM–4:30 PM</td>
</tr>
<tr>
<td>Friday, March 30</td>
<td>8:00 AM–4:30 PM</td>
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<tr>
<td>Saturday, March 31</td>
<td>8:00 AM–4:30 PM</td>
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<tr>
<td>Sunday, April 1</td>
<td>8:00 AM–2:00 PM</td>
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Scientific E-Poster Sessions

Scientific e-posters will be located in the following rooms:

Pinnacle Peak 2 and Pinnacle Peak 3

Scientific e-posters are available for viewing

- Friday, March 30 • 8:00 AM–5:00 PM
- Saturday, March 31 • 8:00 AM–5:00 PM
- Sunday, April 1 • 8:00 AM–2:00 PM

Authors of e-posters will be available to discuss their research on

- Saturday, March 31 • 12:00 PM–1:00 PM, and
- Sunday, April 1 • 12:30 PM–1:30 PM, as indicated.
Meet the E-Poster Authors
During the times and locations detailed below, the authors will be available to discuss their research. The e-posters are grouped by topic.

Saturday, March 31 • 12:00 PM–1:00 PM
(1 CME Credit)
Basic Science: Grand Canyon 7
Musculoskeletal Ultrasound: Grand Sonoran J–K
Obstetric Ultrasound: Grand Canyon 6
Practice of Sonography: Grand Canyon 4–5

Sunday, April 1 • 12:30 PM–1:30 PM
(1 CME Credit)
Cardiovascular Ultrasound: Grand Canyon 1–2
Contrast-Enhanced Ultrasound: Grand Canyon 1–2
Emergency and Critical Care Ultrasound: Grand Canyon 6
General and Abdominal Ultrasound: Grand Canyon 3–5
Gynecologic Ultrasound: Grand Canyon 6
High-Frequency Clinical and Preclinical Imaging: Grand Canyon 1–2
Interventional–Intraoperative Ultrasound: Grand Canyon 1–2
Neurosonology: Grand Canyon 1–2
Pediatric Ultrasound: Grand Canyon 1–2
Therapeutic Ultrasound: Grand Canyon 1–2

Awards
First-, second-, and third-prize awards, as well as honorable mentions, will be indicated by a ribbon icon on Friday, March 30 after 5:00 PM. Awards are based on scientific content and visual effect.
Saturday, March 31

**Basic Science**

**Grand Canyon 7**

1214498 Challenges in Acoustic Measurement of High-Frequency Ultrasound and the Implications for Gaining Regulatory Clearance

Nagle, Samuel*; Sundar, Guru; Schafer, Mark; Gessert, James; Harris, Gerald; Vaezy, Shahram; Moore, Mary; Schultz, Terry; Eaton, Richard

1231196 A Biventricular Cardiac and Mediastinum Ultrasound Phantom for Normal and Pathologic Hearts

Tavakoli, Vahid*; Alshaher, Motaz; Amini, Amir

1234985 Evaluation of the International Electrotechnical Commission Standard Technique for Measuring the Ultrasound Depth of Penetration

Stekel, Scott*; Hangiandreou, Nicholas; Tradup, Donald; King, Deirdre

1235580 Acceptance Testing of Ultrasound Imaging Systems: Methodology and Recent Experience

Tradup, Donald*; Hangiandreou, Nicholas; Stekel, Scott; King, Deirdre

1235664 An Algorithm for Automatic Detection of Ultrasound Transducer Artifacts

Kischell, Eric*; Hangiandreou, Nicholas; King, Deirdre; Tradup, Donald; Stekel, Scott

1237407 Generation of Shear Wave Interference Patterns Using Acoustic Radiation Forces: A Comparison of Theoretical and Experimental Results

Hoyt, Kenneth*; Hah, Zaegyoo; Hazard, Chris; Parker, Kevin

1240010 Microbubble-Mediated Ultrasound Therapy Uptake Effects in Cell Suspensions and Cell Monolayers

Sorace, Anna*; Saini, Reshu; Mahoney, Marshall; Hoyt, Kenneth

1240342 Subharmonic Intravascular Ultrasound Filtering Techniques for Imaging Atherosclerosis

Sridharan, Anush*; Machado, Priscilla; Eisenbrey, John; deMuinck, Ebo; Doyley, Marvin; Forsberg, Flemming

1240534 Carotid Artery Disease Image Reconstruction: A Home-Produced Phantom for 3-Dimensional Ultrasound Simulation

Legault Kingstone*, Lysa; Currie, Geoffrey

1240657 Objective Assessment of Ultrasound Transducer Artifacts

King, Deirdre*; Hangiandreou, Nicholas; Tradup, Donald; Stekel, Scott
1241377 Neural Progenitor Cell Labeling With Microbubbles
Cui, Wenjin*; Wu, Zhe; Mattrey, Robert

1241396 Parametric Imaging of Ultrasound Contrast Shows an Improved Correlation With Immunohistochemical Markers in a Glioma Model Compared to Nonparametric Imaging
Wilson, Christian*; Eisenbrey, John; Ro, Raymond; Fox, Traci; Liu, Ji-Bin; Chiou, See-Ying; Forsberg, Flemming

1241441 Ultrasound Transmission Waveform Tomography With Modified Total-Variation Regularization for High-Resolution Breast Cancer Characterization
Lin, Youzuo*; Huang, Lianjie; Zhang, Zhigang

1241447 Ultrasound Waveform Tomography With Blended Data Acquisition for Breast Cancer Imaging
Zhang, Zhigang*; Huang, Lianjie; Lin, Youzuo

Musculoskeletal Ultrasound
Grand Sonoran J–K

1223446 Diagnostic Value of Color Doppler Ultrasonography in Patients With Sacroiliitis
Mohammadi, Afshin; Ghasemi-Rad, Mohammad*; Aghdashi, Mirami; Mladkova, Nikol; Baradaransafa, Parya

1230190 Variability of the Ischiofemoral Space Relative to the Femur Position: An Ultrasound Study
Sellon, Jacob*; Finnoff, Jonathan; Hollman, John; Wempe, Michael; Smith, Jay

1235123 Ultrasound Findings in Various Abnormalities of the Long Head of the Biceps Brachii Tendon and Adjacent Structures: A Pictorial Essay
Lee, Kwang-Jae*; Kwak, Soo-Hyun; Kim, Jong-Yun; Kim, Eun-Sil

1235124 Ultrasound Appearance of Peroneal Tendon Complex Tears: A Pictorial Essay
Bianchi, Stefano; Lee, Kwang-Jae*; Kim, Kwang-Hai

1237528 Multiplanar Sonographic and Magnetic Resonance Imaging Mapping of Subcutaneous Lipomas
Bard, Robert*; Wortsman, Ximena

1238382 Sonography of Potential Soft Tissue Fluid Collections: To Aspirate or Not to Aspirate?
Anderson, Jack; Wagner, Jason*

1240804 Changes in Reliability Associated With Imaging of the Serratus Anterior During Muscle Contraction
Talbott, Nancy*; Witt, Dexter
1240860 Qualitative Analysis of the Serratus Anterior During Ultrasound Imaging
Witt, Dexter*; Talbott, Nancy

1241054 Collagenase Clostridium histolyticum Injection of Dupuytren’s Contracture Under Ultrasound Guidance: A Case Series
DeMarco, Paul*; Beall, Ashley; Matsumoto, Alan; Baraf, Herbert

1241231 Control of Ultrasound Transducer Motion During Dynamic Exercise: Comparison of a Novice and an Experienced Examiner
Patel, Devarshi; Smith, Rose*; Kotowski, Susan; Witt, Dexter; McDaniel, Maureen

1241492 Application of Shear Wave Elastography to the Musculoskeletal System
Lee, Kenneth*; DeWall, Ryan

Obstetric Ultrasound
Grand Canyon 6

1157609 Prenatal Diagnosis of a Fetal Fibrosarcoma of the Back With Color Doppler Ultrasound
Smith-Hartman, Susan

1162948 Polyhydramnios: What Are the Odds There Is an Anomaly?
Moore, Lisa

1223091 Fetal Nasal Bone Length Nomogram Among a Filipino Population
Asumen-Bullo, Ma Belen*; Villacarlos-Nualla, Marissa

1226922 Role of Fetal Length in the Prediction of Fetal Weight
Melamed, Nir*; Meizner, Israel

1226924 Fetal Sex and Intrauterine Growth Patterns
Melamed, Nir*; Meizner, Israel

1234247 Thirteen- to Fifteen-Week Transvaginal Anatomic Sonography as Part of Routine Assessment of the Fetus in Patients With a Body Mass Index Over 35
Grace, Daniel*; Thornburg, Loralei; Pressman, Eva

1240325 Chorioangioma Initially Diagnosed as a Partial Mole
Martinez, Carla*; Suarez, Claudia; Kupesic, Sanja

1240449 Test Performance of Magnetic Resonance Imaging for the Diagnosis of Placenta Accreta
Samuel, Amber*; Arjuna, Sonal; Miller, Russell; Devine, Patricia; Laifer-Narin, Sherelle

1240800 Review of Ultrasound Findings and Adverse Outcomes in Accreta, Increta, and Percreta at a Tertiary Care Center
Romary, Letty*; Farmer, Ada; Cruz-Pachano, Francisco
1240919 Are We Looking at the Right Antenatal Markers for Predicting Adverse Neonatal Outcomes in Gastrochisis?
Brennan, Matthew*; de la Torre, Lesley; Holbrook, Bradley; Rappaport, Valerie

1240958 Does Abdominal Wall Defect Size Predict Adverse Neonatal Outcomes in Cases of Gastrochisis?
de la Torre, Lesley; Brennan, Matthew*; Holbrook, Bradley; Rappaport, Valerie

1240964 Does the Abdominal Wall Defect in Gastrochisis Increase in Size With Gestational Age?
Brennan, Matthew*; de la Torre, Lesley; Hall, Rebecca

1241056 Does Hospitalization Prevent Preterm Delivery in Patients With Incidental Ultrasound Findings of a Short Cervix? Jackson Memorial Hospital Experience
Mejia, Alexander*; Cruz, Francisco; Stine, Michael; Grossman, Tracy; Farmer, Ada; Toral, Parikh

1241088 Short Fetal Femur and Humerus Length in Asians: Correlated With Race or Maternal Body Habitus?
Huang, William; Li, Angie*; Monga, Shilpa

1241205 Recurrence of Fetal Truncus Arteriosus: A Prenatal Diagnosis Case Report
Jezari, Anna*; Schuster, Jeffrey; Martinez, Carla

1241346 Use of Point-of-Care Ultrasound to Support Prenatal Care and Obstetrics in a Rural Family Practice
McElmurray, Charles; Kammermann, Sandy; Rao, Victor; Howe, Duncan*; Hoppmann, Richard

1241349 Ultrasound-Guided Curettage in Primary Postpartum Hemorrhage
Hart, Bethany*; Mauricio, Dennis; Mann, Stephanie

1241355 Borderline Amniotic Fluid Volumes Do Not Forewarn Fetal Intolerance of Labor
Newton, J.*; Wood, S. Lindsay; Lesser, Karen

1241394 Bilateral Renal Agenesis in 2 Consecutive Pregnancies
Eziefule, Akwugo*; Lyn, Heidi; Tonk, Vijay; Martinez, Carla

1241743 Does Twin Sac Orientation in the First Trimester Predict the Method or Timing of Delivery?
Rosenstein, Melissa*; Cheng, Yvonne; Pena, Sherri; Nakagawa, Sanae; Zlatnik, Marya

1242400 Is Obesity Associated With an Increased Rate of Fetal Growth Restriction?
Gilmandyar, Dzhamala*; Knight, Kristen; Perdue, Maureen; Brown, Oluwateniola; Jensen, Tina; Hackney, David; Pressman, Eva; Thornburg, Loralei
Preoperative Localization of Parathyroid Adenoma by Color Doppler Ultrasonography and Its Comparison With Gray Scale Ultrasonography, Scintigraphy, and Histopathologic Results; Pearls and Patterns
Mohammadi, Afshin; Moloudi, Farzad*; Ghasemi-Rad, Mohammad

Ultrasound of Emphysematous Infections of the Abdomen and Pelvis
Ojili, Vijayanadh*; Gunabushanam, Gowthaman; Parizi, Mahdieh; Tirumani, Sreeharsha; Nagar, Arpit; Chintapalli, Kedar

Doppler Ultrasound Evaluation of Vascular Complications of Renal Transplantation
Onur, Mehmet*; Dusak, Abdurrahim; Bhatt, Shweta; Dogra, Vikram

Role of Ultrasound in Scrotal Emergencies
Onur, Mehmet*; Dusak, Abdurrahim; Bhatt, Shweta; Dogra, Vikram

Sonography of Renal Artery Stenosis
Onur, Mehmet*; Dusak, Abdurrahim; Bhatt, Shweta; Dogra, Vikram

Sonography of Scrotal Lipoma: A Case Report
Tingting, Cui*; Hui, Wang; Ying, Jin; Jiantao, Guo

Comparison of Sonographic Features of Breast Cancers That Respond Well to Neoadjuvant Chemotherapy With Those That Respond Poorly
Lewis, Madeline*; Irshad, Abid; Zerwas, Emily; Ackerman, Susan; Abid, Maham; Leddy, Rebecca; Campbell, Amy; Cluver, Abbie

Pilot Research: Introducing Bedside Portable Ultrasound in Geriatrics Education
Leone, Andres*; Schumacher, Sarah

Establishing an Ultrasound Model Pool Using Current Medical Students
Emerick, Shannon; Gee, Stephen*; Bahner, David

Ultrasound in a Clinical Skills Immersion Experience
Mueller, Anthony*; Adkins, Eric; Bahner, David

Primary Ultrasound Assessment
Steller, Jonathan; Russell, Bianca; Lotfipour, Shahram; Fox, J. Christian; Maldonado, Graciela*

Importance of the Sonographer in the Investigation of Chronic Cerebrospinal Venous Insufficiency
Kohn, Sarah*; Field, Aaron; Kliwer, Mark; Lee, Kenneth
Sunday, April 1

**Cardiovascular Ultrasound**
Grand Canyon 1–2

1216743 Future Analysis and Imaging Methods of Atherosclerotic Disease of the Carotid Artery  
Legault Kingstone*, Lysa; Torres, Carlos; Currie, Geoffrey

1216757 Evaluation of Carotid Artery Plaque Morphology and Characterization With Ultrasonography  
Legault Kingstone, Lysa*; Torres, Carlos; Currie, Geoffrey

1240316 Cardiac Ejection Fraction Determination Using an Ultrasound Tutorial Among Medical Students, Emergency Medicine Residents, and Cardiac Fellows  
Sharkey, Meenal*; Adkins, Eric; Bahner, David

1240802 Cigarette Smoking and Peripheral Microcirculation: Evaluation With Contrast-Enhanced Ultrasound  
Mancini, Marcello*; Di Donato, Orlando; Saldalamacchia, Gennaro; Liuzzi, Raffaele; Rivellese, Angela; Salvatore, Marco

1240920 Carotid Imaging: Beyond Velocity Criteria  
Little, Jason; Scoutt, Leslie; Rubens, Deborah*

1240949 Ultrasound of Upper Extremity Vascular Trauma  
Gunabushanam, Gowthaman*; Ojili, Vijayanadh; Margarita, Revzin; Kirsch, Jonathan; Scoutt, Leslie

1241822 Testicular Doppler Ultrasound Findings in Infertile Nigerian Adult Men  
Isayaku, Kabirv*; Aji, Sani

**Contrast-Enhanced Ultrasound**
Grand Canyon 1–2

1240066 Targeted Magnetic Microbubbles for Use in Molecular Ultrasound Imaging  
Saini, Reshu*; Sorace, Anna; Hoyt, Kenneth

1240327 Parametric Depiction of Contrast-Enhanced Ultrasound of Ovarian Masses  
Moore, Ryan*; Lyshchik, Andrej; Fleischer, Arthur
The Benefit of a Standardized Simulation-Based Approach in Teaching Ultrasound-Guided Central Venous Access
Caffery, Terrell*; Jagneaux, Tonya

Correlation of Corrected Flow Time in the Internal Carotid Artery With Changes in Intravascular Volume Status
Blehar, David*; Glazier, Scott; Briones, Justin; Dayno, Matthew; Gaspari, Romolo

Patient Preference of Ocular Ultrasound Techniques
Fischer, Jonathan; Martin, Matthew*; Matsuura, Asako; Huis in’t Veld, Maite; Dean, Anthony

Inter-Rater Reliability of Assessment of the Degree of B-Lines on Thoracic Ultrasound
Liteplo, Andrew*; Rempell, Josh; Bertuzzi, Bianca; Marcio, Rodrigues; Noble, Vicki

Effect of Point-of-Care Obstetric Ultrasonography on the Emergency Department Length of Stay
Silverman, Danielle*; Antonis, Michael

Use of a Hybrid Simulation Encounter to Increase Emergency Medicine Faculty Self-Efficacy in Ultrasound Use
Phelan, Mary Beth*; Tews, Matthew; Treat, Robert

@EDUltrasound: A Social Media Curriculum
Bahner, David*; Patel, Nilesh; Adkins, Eric; Donley, Chad; Kman, Nicholas

Centralized Ultrasound Training Resources in a Skills Lab Setting
Bahner, David*; Boulger, Creagh; Adkins, Eric

Ultrasound-Guided Vascular Access on a Phantom: A Training Model for Medical Student Education
Sahlani, Lydia; Bahner, David; Allred, Clint; Gorgas, Diane; Adkins, Eric*

An Education Model for Teaching Focused Assessment With Sonography in Trauma to Surgical Residents
Betz, Bret*; Dresbach, Sereana; Bahner, David; Eiferman, Daniel

Utility of Bedside Ultrasound as an Airway Assessment Tool in Patients Receiving Procedural Sedation
Adhikari, Srikar*; Zeger, Wes; Schmier, Charles; Crum, Todd; Craven, Andy; Frrokaj, Ilir; Pang, Huiling; Shostrom, Valerie

Point-of-Care Ultrasound Diagnosis of an Ovarian Inguinal Hernia in the Emergency Department
Adhikari, Srikar*; Baker, Nicola; Amini, Rich; Woolridge, Dale
1170773 Diagnosis of Gastric Varices Secondary to Splenic Vein Occlusion by Endoscopic Color Doppler Ultrasonography
Sato, Takahiro*; Yamazaki, Katsu; Akaike, Jun; Kimura, Mutsumi; Toyota, Jouji; Karino, Yoshiyasu; Ohmura, Takumi

1195415 Study of the Risk of Atherosclerosis in Patients With Nonalcoholic Fatty Liver Disease
Ghasemi-Rad, Mohammad; Mohammadi, Afshin; Bazazi, Ali; Shayegh, Seyed* 

1228655 Ultrasound Findings of Accidental and Nonaccidental Scrotal Trauma: You Did What?
Sommers, Daniel*; Jensen, Jeff

1233960 Nodular Hepatic Steatosis: Ultrasound Findings With Computed Tomographic and Magnetic Resonance Imaging Correlation
Lambert, Joseph*; Wagner, Jason

1236264 Analysis of Suprapubic Ultrasonographic Measurement in the Assessment of Prostate Dimensions and Volume in Patients With Lower Urinary Tract Symptoms
Maaji, Sadisu*; Adamu, Bappa

1238379 Sonography of the Portal Vein: Review of Major Abnormalities
Penaroza, Shyla*; Wagner, Jason

1239869 Multimodality Vascular Imaging of Bladder Tumors
Bard, Robert

1239961 Prostate Cancer Vascular Responses to Testosterone and Growth Hormone Treatments
Bard, Robert*; Scionti, Stephen

1241780 Sonographic Evaluation of Testicular Dimensions in Nigerian Men Presenting With Infertility
Isayaku, Kabirv*; Aji, Sani

1172872 Three-Dimensional Ultrasound in Gynecologic Imaging: A Spectrum of Findings
Sondel, Nicole*; Brindle, Kathleen; Khati, Nadia

1241146 Diagnosis of a Unicornuate Uterus: Role of 3-Dimensional Ultrasound
Graupera, Betlem; Hereter, Lourdes; Pascual, M. Angela; Ubeda, Belen; Escartin, Alfredo*; Pedrero, Cristina
1241165 Three- and Four-Dimensional Ultrasound of Anal Anatomy
Hereter, Lourdes; Graupera, Betlem; Pascual, M. Angela; Salinas, Eva; Pedrero, Cristina; Escartin, Alfredo*

1241522 Comparing Benign Breast Lesions Using Handheld Ultrasound and an Automatic Breast Volume Scanner
Escartin, Alfredo*; Navarro, Beatriz; Ubeda, Belen; Browne, Jean; Pascual, M. Angela; Fabregas, Rafael

1241580 Acute Female Pelvic Pain: When Is Ultrasound Enough?
Kaproth-Joslin, Katherine*; Sidhu, Ravinder; Bhatt, Shweta; Fultz, Patrick; Voci, Susan; Dogra, Vikram; Rubens, Deborah

1241861 Transvaginal Evaluation of the Female Urethra
Maksoud, Claudia

HFI High-Frequency Clinical and Preclinical Imaging
Grand Canyon 1-2

1218780 Value of Conventional Sonography Combined With Real-time Elastosonography in the Differential Diagnosis of Thyroid Follicular Neoplasms
Wu, Hong Xun*; Zang, Ya Ping; Wang, Jun; Zhu, Bei Lin; Zhang, Bing Jie

1239914 Prostate Cancer Neovascular Responses to Antioxidant Therapies: A 4-Year Prospective Study
Bard, Robert*; Scionti, Stephen

1240194 Ultrasound Breast Imaging Using Windowed Time Reversal MUSIC Imaging
Labyed, Yassin*; Huang, Lianjie; Sandoval, Daniel; Heintz, Philip; Rosenberg, Robert; Williamson, Michael

1240434 Utility of Cervical Lymph Node Fine-Needle Aspirations in Patients With No History of Malignancy
Gronkiewicz, Jeffrey*; Vade, Aruna; May, Jason

1240766 Ultrasound Biomicroscopy in Molecular and Preclinical Imaging
Mancini, Marcello*; Greco, Adelaide; Gargiulo, Sara; Gramanzini, Marco; Brunetti, Arturo; Salvatore, Marco

1241402 Effect of Excision on Corneal Speed of Sound
Lloyd, Harriet*; Urs, Raksha; Silverman, Ronald

IVIO Interventional-Intraoperative Ultrasound
Grand Canyon 1-2

1200048 Pictorial Review of Diagnosing Pancreatic Lesions Using Endoscopic Ultrasound
Kielar, Ania*; Shabana, Wael
1200567 Technically Challenging Ultrasound-Guided Radiofrequency Ablation Cases: How Did We Do Them Safely?  
Kielar, Ania*; Papadatos, Demetri; Shabana, Wael; Fasih, Najla; O'Sullivan, Joseph

1220825 Cytopathologist-Directed Ultrasound-Guided Fine-Needle Aspiration Service: A Sonographer’s Experience  
Reid, Alycia; Jakowski, Joseph

1241107 Cross-Cavernosal Vascular Steal Phenomenon in High-Flow Priapism Resolved After Embolization  
Florek, Rodney*; Chassaignac, Jeanette; Daily, Lindsay; Johnson, Matthew

1244666 A Concise Review of Conscious Sedation and Local Anesthetics  
McNamara, Michael Jr

1238421 The Small Proportion of Variance in Carotid Intima-Media Thickness Is Explained by Traditional Cardiovascular Risk Factors  
Bartels, Susanne*; Cabral, Digna; Dong, Chuanhui; Gardener, Hannah; Sacco, Ralph; Rundek, Tatjana

1230826 Pediatric Musculoskeletal Sonography: A Pictorial Review  
Desai, Anisha*; Turner, Jessica; Hilmes, Melissa; Martus, Jeffrey; Hernandez-Schulman, Marta; Kan, J. Herman

1232641 Clinical Outcomes of Pediatric Patients With Acute Abdominal Pain and Incidental Findings of Free Fluid in the Abdomen on Diagnostic Imaging  
Zeise, Samantha*; Sinha, Madhumita; Connell, Mary; Goettl, Chris; Patel, Palak

1241376 Case-Based Review of Cranial Sonography: Pitfalls and Variants  
Bailey, Zachary*; Lowe, Lisa; North, Kay

1241387 Pitfalls in Neonatal Spinal Sonography  
Bailey, Zachary*; Lowe, Lisa

1248225 Assessing the Accuracy of Ultrasound in the Evaluation of Appendicitis in a Pediatric Hospital  
Knight, Beth*; Latham, Patricia; Towbin, Richard; Youssfi, Mostafa; Fletcher, Susan; Tate, Nancy; Riemann, Monique; Dolney, Carrie; Giersch, Kristie
Therapeutic Ultrasound
Grand Canyon 1–2

1156109  Four-Dimensional Ultrasonography for Therapeutic Radio-frequency Ablation of Hepatocellular Carcinoma, Including Enhanced Ultrasonography
Hotta, Naoki

1240034  Molecular Ultrasound Therapy Enhances Membrane Permeabilization
Saini, Reshu*; Sorace, Anna; Hoyt, Kenneth

1240709  Quantitative Ultrasound Assessment of High-Intensity Focused Ultrasound Treatment of In Situ MAT Tumors
Kemmerer, Jeremy*; Ghoshal, Goutam; Oelze, Michael

Look for
Case-of-the-Day Challenges
in the Ballroom Foyer

Test your abilities each day by diagnosing unique case studies.

Case-of-the-Day Challenges are supported in part by Parker Laboratories, Inc.

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# Community of Practice and Interest Group Meetings

## Schedule at a Glance

### Friday, March 30

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM–9:00 AM</td>
<td>Basic Science and Instrumentation</td>
<td>Desert Suites IV–VI</td>
</tr>
<tr>
<td></td>
<td>General and Abdominal Ultrasound</td>
<td>Desert Suites III–V</td>
</tr>
</tbody>
</table>

### Saturday, March 31

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:15 AM–9:00 AM</td>
<td>Pediatric Ultrasound</td>
<td>Grand Sonoran A–B</td>
</tr>
<tr>
<td>8:15 AM–9:45 AM</td>
<td>Gynecologic Ultrasound</td>
<td>Grand Sonoran F</td>
</tr>
<tr>
<td></td>
<td>Musculoskeletal Ultrasound</td>
<td>Grand Sonoran C–D</td>
</tr>
<tr>
<td>9:00 AM–9:45 AM</td>
<td>Neurosonology</td>
<td>Grand Sonoran A–B</td>
</tr>
<tr>
<td>9:45 AM–10:15 AM</td>
<td>Therapeutic Ultrasound</td>
<td>Grand Sonoran H–I</td>
</tr>
<tr>
<td>12:00 PM–1:00 PM</td>
<td>Cardiovascular Ultrasound</td>
<td>Grand Sonoran G</td>
</tr>
<tr>
<td></td>
<td>Contrast-Enhanced Ultrasound</td>
<td>Grand Sonoran H–I</td>
</tr>
<tr>
<td></td>
<td>Obstetric Ultrasound</td>
<td>Grand Sonoran F</td>
</tr>
<tr>
<td>3:45 PM–4:15 PM</td>
<td>High-Frequency Clinical and Preclinical Imaging</td>
<td>Grand Sonoran H–I</td>
</tr>
<tr>
<td></td>
<td>Sonography</td>
<td>Grand Sonoran G</td>
</tr>
<tr>
<td>4:15 PM–5:15 PM</td>
<td>Emergency and Critical Care Ultrasound</td>
<td>Grand Sonoran C–D</td>
</tr>
<tr>
<td></td>
<td>Fetal Echocardiography</td>
<td>Grand Sonoran J–K</td>
</tr>
<tr>
<td></td>
<td>Interventional-Intraoperative Ultrasound</td>
<td>Grand Canyon 4–5</td>
</tr>
</tbody>
</table>

### Sunday, April 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 AM–10:00 AM</td>
<td>Ultrasound in Medical Education Interest Group</td>
<td>Desert Suite II</td>
</tr>
<tr>
<td>10:00 AM–11:00 AM</td>
<td>Ultrasound in Global Health Interest Group</td>
<td>Desert Suite III</td>
</tr>
<tr>
<td>11:00 AM–12:00 PM</td>
<td>Elastography Interest Group</td>
<td>Desert Suite II</td>
</tr>
</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 15 Communities of Practice, the AIUM Journal Club, and additional interest groups.

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Need help getting started? Stop by the AIUM Office—we’ll get you set up and show you how easy it is!
Make Plans to Attend
AIUM Communities of Practice 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 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

Friday, March 30
8:00 AM–9:00 AM
Desert Suite IV–VI • Level 2

Chandra Sehgal, PhD, Chair
James Miller, PhD, Vice Chair
Keith Wear, 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 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York
3. **Approval of Incoming Secretary:** Michael Oelze, PhD
4. **Discussion/Review of 2012 Basic Science and Instrumentation Sessions:**
   - **Friday, March 30**
     - Shear Wave Imaging
   - **Saturday, March 31**
     - Ultrasound Bioeffects for the Practitioner: This Could Happen to You
     - Portable Ultrasound: Technology in Point-of-Care Ultrasound
     - Quantitative Ultrasound: What We Can Measure
   - **Sunday, April 1**
     - Ultrasound Image-Guided Therapy
5. **Recommendations for Session Topics and Speakers** for the 2013 AIUM Annual Convention (April 6–9, 2013, Marriott Marquis, New York, New York)
6. **Recommendations for Webinar Topics and 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 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.
Cardiovascular Ultrasound Community Agenda

Saturday, March 31
12:00 PM–1:00 PM
Grand Sonoran G • Level 1

M. Robert De Jong, RDCS, RDMS, RVT, Chair
John Blebea, MD, Vice Chair
Leslie Scoutt, MD, 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 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York

3. Approval of Incoming Secretary: Jennifer McDowell, MM, RVT, RDMS, RT

4. Discussion/Review of 2012 Cardiovascular Ultrasound Sessions:
   - Thursday, March 29: Preconvention
     • Registered Physician in Vascular Interpretation Review
   - Friday, March 30
     • Technical Faux Pas
     • Hands-on Carotid and Transcranial Doppler Ultrasound
   - Saturday, March 31
     • Complications of Vascular Interventions
     • Multidisciplinary Approach to Diagnosing and Treating Carotid Disease
     • Correlation of Computed Tomographic Angiography, Magnetic Resonance Angiography, and Ultrasound

5. Recommendations for Session Topics and Speakers for the 2013 AIUM Annual Convention (April 6–9, 2013, Marriott Marquis, New York, New York)

6. Recommendations for Webinar Topics and 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.
Contrast-Enhanced Ultrasound Community Agenda

Saturday, March 31
12:00 PM–1:00 PM
Grand Sonoran H–I • Level 1

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 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York
   - Friday, March 30
     - The Food and Drug Administration and Ultrasound Contrast: Where We Stand and How You Can Use Contrast in Your Practice
   - Saturday, March 31
     - Contrast-Enhanced Ultrasound: Nonhepatic Applications
   - Sunday, April 1
     - Contrast-Enhanced Ultrasound: Applications in the Liver and Abdominal Transplants
5. *Recommendations for Webinar Topics and Speakers*
6. *Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year*
7. *New Business*
8. *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.
Emergency and Critical Care Ultrasound Community Agenda

Saturday, March 31
4:15 PM–5:15 PM
Grand Sonoran C–D • Level 1

Michael Blaivas, MD, Chair
Leslie Scoutt, MD, Vice Chair
Bret Nelson, MD, RDMS, Secretary

This community includes individuals involved with the use of ultrasound in the analysis of emergency care patients. Disciplines vary from pediatrics to obstetrics and gynecology, surgery, and general medicine.

1. Call to Order: identify community officer to take minutes (usually the secretary)
2. Approval of Minutes from the 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York
3. Approval of Incoming Secretary: Eitan Dickman, MD, RDMS
4. Discussion/Review of 2012 Emergency and Critical Care Ultrasound Sessions:
   - Thursday, March 29: Preconvention
     • Point-of-Care Ultrasound in the Evaluation and Treatment of the Unstable Patient
   - Friday, March 30
     • Emergency Department Presentations of Acute Scrotal and Pelvic Pain
     • Ultrasound-Guided Vascular Access
   - Saturday, March 31
     • Emergency and Critical Care Ultrasound Practice in the World
   - Sunday, April 1
     • Thoracic Ultrasound in the Emergency and Critical Care Patient
     • Designing and Implementing Point-of-Care Ultrasound Research From Basic to Advanced: What Areas Are Key to Study?
5. Recommendations for Session Topics and Speakers for the 2013 AIUM Annual Convention (April 6–9, 2013, Marriott Marquis, New York, New York)
6. Recommendations for Webinar Topics and 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 emergency and critical care ultrasound 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.
Fetal Echocardiography Community Agenda

Saturday, March 31

4:15 PM–5:15 PM

Grand Sonoran J–K • Level 1

Lami Yeo, MD, Chair
Mark Sklansky, MD, Vice Chair
Liat Gindes, MD, 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 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York
3. Approval of Incoming Secretary: Lyn Simpson, MSc, MD
4. Discussion/Review of 2012 Fetal Echocardiography Sessions:
   - Thursday, March 29: Preconvention
     • Comprehensive Review of Major Congenital Heart Disease From a Multidisciplinary Perspective
   - Friday, March 30
     • Fetal Cardiac Unknown (Simple)
   - Saturday, March 31
     • Fetal Cardiac Unknown (Complex)
   - Sunday, April 1
     • Fetal Cardiac Anomalies: 3- and 4-Dimensional Cases
     • Evaluation of Fetal Cardiac Function: Live Demonstration
     • Should Cardiac Measurements Be Obtained Routinely When Evaluating the Fetal Heart?
5. Recommendations for Session Topics and Speakers for the 2013 AIUM Annual Convention (April 6–9, 2013, Marriott Marquis, New York, New York)
6. Recommendations for Webinar Topics and 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.
General and Abdominal Ultrasound Community Agenda

Friday, March 30
8:00 AM–9:00 AM
Desert Suites III-V • Level 2

Vikram Dogra, MD, Chair
Susan Ackerman, MD, Vice Chair
Sharlene Teefey, MD, 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 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York

3. **Approval of Incoming Secretary**: Salvatore LaRusso, MEd, RDMS, ARRT

4. **Discussion/Review of 2012 General and Abdominal Ultrasound Sessions**:
   - Thursday, March 29: Preconvention
     - Three-Dimensional Abdominal Ultrasound
   - Friday, March 30
     - Unknown Cases
     - Abdominal Doppler Ultrasound
   - Saturday, March 31
     - Breast Ultrasound and Biopsy Techniques
     - Liver Doppler Evaluation
     - Thyroid Imaging
     - General Ultrasound—Film Panel Session
   - Sunday, April 1
     - Hepatobiliary Imaging
     - Transplant Imaging
     - Renal Artery Doppler Evaluation

5. **Recommendations for Session Topics and Speakers** for the 2013 AIUM Annual Convention (April 6–9, 2013, Marriott Marquis, New York, New York)

6. **Recommendations for Webinar Topics and 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.

www.aium.org
Gynecologic Ultrasound Community Agenda

Saturday, March 31
8:15 AM–9:45 AM
Grand Sonoran F • Level 1

Ilan Timor-Tritsch, MD, Chair
Jodi Lerner MD, Vice Chair
Misty Blanchette Porter, MD, Secretary

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 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York

3. Approval of Incoming Secretary: James Shwayder, MD, JD

4. Discussion/Review of 2012 Gynecologic Ultrasound Sessions:
   - Thursday, March 29: Preconvention
     • Infertility and Reproductive Medicine
     • Two- and Three-Dimensional Transperineal Sonography of Pelvic Floor Disorders: An Overview
   - Friday, March 30
     • Distinguishing Between Suspicious and Nonsuspicious Adnexal Masses Combining Ultrasound, Computed Tomography, and Magnetic Resonance Imaging
     • Gynecology: Beginners Only
   - Saturday, March 31
     • Evaluation of Pelvic Pain: Can Ultrasound Do It All?
     • Gynecologic Ultrasound—Film Panel Session
   - Sunday, April 1
     • Pregnancies in Unusual Places

5. Recommendations for Session Topics and Speakers for the 2013 AIUM Annual Convention (April 6–9, 2013, Marriott Marquis, New York, New York)

6. Recommendations for Webinar Topics and 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 gynecology 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.
High-Frequency Clinical and Preclinical Imaging Community Agenda

Saturday, March 31
3:45 PM–4:15 PM
Grand Sonoran H–I • Level 1

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- 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 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York

3. **Discussion/Review of 2012 High-Frequency Clinical and Preclinical Imaging Sessions:**
   - Friday, March 30
     - Molecular Imaging
   - Saturday, March 31
     - High-Frequency Vascular Imaging, Part 1
     - High-Frequency Vascular Imaging, Part 2

4. **Recommendations for Session Topics and Speakers** for the 2013 AIUM Annual Convention (April 6–9, 2013, Marriott Marquis, New York, New York)

5. **Recommendations for Webinar Topics and Speakers**

6. **Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year**

7. **New Business**

8. **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.
Interventional-Intraoperative Ultrasound Community Agenda

Saturday, March 31
4:15 PM–5:15 PM
Grand Canyon 4–5 • Level 1

Dean Nakamoto, MD, Chair
Shweta Bhatt, MD, Vice Chair
Corinne Deurdulian, MD, Secretary

This community includes ultrasound professionals who utilize 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 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York

3. **Discussion/Review of 2012 Interventional-Intraoperative Ultrasound Sessions:**
   - Saturday, March 31
     - Interesting Cases in Interventional and Intraoperative Ultrasound
   - Sunday, April 1
     - New Techniques in Biopsy Combined With New Materials
     - Hands-on: How to Do the Biopsy

4. **Recommendations for Session Topics and Speakers** for the 2013 AIUM Annual Convention (April 6–9, 2013, Marriott Marquis, New York, New York)

5. **Recommendations for Webinar Topics and Speakers**

6. **Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year**

7. **New Business**

8. **Adjournment**

All those with an interest in interventional and 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.
Musculoskeletal Ultrasound Community Agenda

Saturday, March 31
8:15 AM–9:45 AM
Grand Sonoran C-D • Level 1

David Fessell, MD, Chair
Kenneth Lee, MD, Vice Chair
Nathalie Bureau, MD, FRCP(C), Secretary

This community consists of professionals involved in 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 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York
3. Discussion/Review of 2012 Musculoskeletal Ultrasound Sessions:
   - Thursday, March 29: Preconvention
     • Comprehensive Musculoskeletal Ultrasound
   - Friday, March 30
     • Focus on Dynamic Musculoskeletal Ultrasound Imaging
     • Cutting-Edge Musculoskeletal Ultrasound
   - Saturday, March 31
     • Musculoskeletal Ultrasound of the Knee, Ankle, and Foot
   - Sunday, April 1
     • Ultrasound of Hernias and the Hip
4. Recommendations for Session Topics and Speakers for the 2013 AIUM Annual Convention (April 6–9, 2013, Marriott Marquis, New York, New York)
5. Recommendations for Webinar Topics and Speakers
6. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
7. New Business
8. 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.
Neurosonology Community Agenda

Saturday, March 31
9:00 AM–9:45 AM
Grand Sonoran A–B • Level 1

Tatjana Rundek, MD, PhD, Chair
Mary Beth McCarville, 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 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York

3. Discussion/Review of 2012 Neurosonology Sessions:
   - Friday, March 30
     • Update on Fetal and Neonatal Neurosonography
     • Hands-on Carotid and Transcranial Doppler Ultrasound
   - Saturday, March 31
     • Pediatric Spinal Canal: What’s the Verdict
     • Multidisciplinary Approach to Diagnosing and Treating Carotid Disease
   - Sunday, April 1
     • Newborn Neurosonography in the Acute Care Setting

4. Recommendations for Session Topics and Speakers for the 2013 AIUM Annual Convention (April 6–9, 2013, Marriott Marquis, New York, New York)

5. Recommendations for Webinar Topics and Speakers

6. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year

7. New Business

8. 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.
Obstetric Ultrasound Community Agenda

Saturday, March 31
12:00 PM–1:00 PM
Grand Sonoran F • Level 1

E. Rebecca Pschirrer, MD, MPH, Chair
Jacques Abramowicz, MD, Vice Chair
Jude Crino, MD, Secretary

This community consists of professionals interested in all aspects of obstetric ultrasound, including administrative issues such as coding, practice administration, and news about legislation concerning obstetric ultrasound.

1. Call to Order: identify community officer to take minutes (usually the secretary)
2. Approval of Minutes from the 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York
3. Approval of Incoming Secretary: Joan Mastrobattista, MD
4. Discussion/Review of 2012 Obstetric Ultrasound Sessions:
   - Thursday, March 29: Preconvention
     • Obstetric Doppler Ultrasound: Case Studies—Diagnosis and Management
   - Friday, March 30
     • Ultrasound Survivors: Prognosis and Counseling in Fetal Anomalies
     • Multiple Gestations
     • Obstetric Doppler Ultrasound
   - Saturday, March 31
     • Congenital Anomalies (With Audience Response)
     • First- Versus Second-Trimester Fetal Anatomy Survey
     • Obstetric Ultrasound—Film Panel Session
   - Sunday, April 1
     • Nonfetal Obstetrics: Placenta, Membranes, and Cervix
     • Basic Obstetric Ultrasound
     • Advanced Obstetric Ultrasound
5. Recommendations for Session Topics and Speakers for the 2013 AIUM Annual Convention (April 6–9, 2013, Marriott Marquis, New York, New York)
6. Recommendations for Webinar Topics and 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 obstetrics are encouraged to become a member of the online Obstetrics 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.

www.aium.org
Pediatric Ultrasound Community Agenda

Saturday, March 31
8:15 AM–9:00 AM
Grand Sonoran A–B • Level 1

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 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York

3. Discussion/Review of 2012 Pediatric Ultrasound Sessions:
   - Thursday, March 29: Preconvention
     • Sonographic Evaluation of the Emergent Pediatric Patient
   - Friday, March 30
     • Sonography of Perinatal Malformations of the Neonatal Abdomen
   - Saturday, March 31
     • Just Images: Pediatric Masses
     • Sonography of Pediatric Musculoskeletal Lesions
   - Sunday, April 1
     • Interesting Cases in the Pediatric Neck

4. Recommendations for Session Topics and Speakers for the 2013 AIUM Annual Convention (April 6–9, 2013, Marriott Marquis, New York, New York)

5. Recommendations for Webinar Topics and Speakers

6. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year

7. New Business

8. Adjournment

All those with an interest in pediatrics 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.
Sonography Community Agenda

Saturday, March 31
3:45 PM–4:15 PM
Grand Sonoran G

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 examination 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 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York
3. Discussion/Review of 2012 Sonography Sessions:
   - Friday, March 30
     • Stretching the Protocol
   - Saturday, March 31
     • Legal Issues for the Sonographer: Are You Vulnerable?
   - Sunday, April 1
     • Maintaining Advanced Quality With Fiscal Responsibility
4. Recommendations for Session Topics and Speakers for the 2013 AIUM Annual Convention (April 6–9, 2013, Marriott Marquis, New York, New York)
5. Recommendations for Webinar Topics and Speakers
6. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
7. New Business
8. 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.
Therapeutic Ultrasound Community Agenda

Saturday, March 31
9:45 AM–10:15 AM
Grand Sonoran H-I • Level 1

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 2011 AIUM Annual Convention, Marriott Marquis Hotel, New York, New York

3. Discussion/Review of 2012 Therapeutic Ultrasound Session:
   - Hands-on Applications of Therapeutic Ultrasound: Enhanced Tissue Perfusion and Tumor Ablation

4. Recommendations for Session Topics and Speakers for the 2013 AIUM Annual Convention (April 6–9, 2013, Marriott Marquis, New York, New York)

5. Recommendations for Webinar Topics and Speakers

6. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year

7. New Business

8. 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.
Elastography Interest Group Agenda

Sunday, April 1
11:00 AM–12:00 PM
Desert Suite II • Level 2

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. Introduction to This Interest Group

3. Agenda Topics
   a. Suggestions From the December Community Survey Sent to All AIUM Members
      • Elasticity quantitative measurements and quality assurance of the machines performing elastography on all probes
      • Shear wave elastography field of applications? Define priorities
   b. Other Suggestions

4. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
   a. Suggestions From the December Community Survey Sent to All AIUM Members
      • Is “stiff” always malignant and “soft” always benign?
      • Technologies, building international clinical studies
   b. Other Suggestions

5. Discussion of Possible Educational Offerings for This Interest Group
   (eg, convention Special Interest Sessions [courses], webinars, and Postgraduate Courses): To satisfy ACCME requirements, the following 2 questions must be answered for each educational offering requested: (1) What are the professional gaps in your specialty? (2) What are the educational needs that underlie those gaps?

6. Communications Representative Recruitment: Responsible for enhancing social media activity in the Elastography Interest Group for a 1-year term. Experience with social media platforms is helpful but not required. (AIUM staff can help get the representative started.) Commitment includes:
   a. Stimulating discussion on www.aiumcommunities.org by posting at least 1 discussion, article link, and/or case per month on the AIUM Community site
   b. Participating in discussions posted by other members of your group
   c. Encouraged but not required: contributing to Twitter during the AIUM Annual Convention and contributing to AIUM members’ questions or comments on Facebook, as appropriate

7. New Business

8. 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.
Ultrasound in Global Health
Interest Group Agenda

Sunday, April 1
10:00 AM–11:00 AM
Desert Suite III • Level 2

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. Introduction to This Interest Group

3. Agenda Topics
   a. Suggestions From the December Community Survey Sent to All AIUM Members
      • Teaching tools and resources for education for ultrasound in the developing world setting
      • Development of a reading list for this interest group
      • Charitable groups known to provide free/reduced cost loaner or permanent ultrasound machines for global health site work
      • Barriers and challenges to the implementation of ultrasound programs in low-resource settings and troubleshooting
      • Future directions: development of a database for ongoing international ultrasound projects and available or interested AIUM members
      • The need for providing medical ultrasound to the needy throughout the globe.
      • How to expand AIUM membership and involvement while unifying the various groups involved in global health around the world
      • Identifying interested teaching centers in the United States that might agree to host “international observers” so that they could enhance their sonographic skills

   b. Other Suggestions

4. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
   a. Suggestions From the December Community Survey Sent to All AIUM Members
      • Reaching the needy with the latest technology
      • Advice from the experts to ensure success in various endeavors around the world (eg, suggested readings, websites to visit, and inspirational stories)
      • Opportunities to volunteer abroad

   b. Other Suggestions
5. Discussion of Possible Educational Offerings for This Interest Group
   (eg, convention Special Interest Sessions [courses], webinars, and Postgraduate Courses): To satisfy ACCME requirements, the following 2 questions must be answered for each educational offering requested: (1) What are the professional gaps in your specialty? (2) What are the educational needs that underlie those gaps?

6. Communications Representative Recruitment: Responsible for enhancing social media activity in the Ultrasound in Global Health Interest Group for a 1-year term. Experience with social media platforms is helpful but not required. (AIUM staff can help get the representative started.) Commitment includes:
   a. Stimulating discussion on www.aiumcommunities.org by posting at least 1 discussion, article link, and/or case per month on the AIUM Community site
   b. Participating in discussions posted by other members of your group
   c. Encouraged but not required: contributing to Twitter during the AIUM Annual Convention and contributing to AIUM members’ questions or comments on Facebook, as appropriate

7. New Business

8. Adjournment

All those with an interest in the use of ultrasound in developing areas around the world 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.
Ultrasound in Medical Education
Interest Group Agenda

Sunday, April 1
9:00 AM–10:00 AM
Desert Suite II • Level 2

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. Introduction to This Interest Group

3. Agenda Topics
   a. Suggestions From the December Community Survey Sent to All AIUM Members
      • The sonographic Flexner to assess the baseline of ultrasound in medical school (current study)
      • Assessment of competence and impact on the practice of graduates, training standards, and online curricula
      • Best practices for educational curricula, resources for curriculum goals and objectives
      • Suggestions on how to incorporate ultrasound in medical education around the globe from the pioneers in this field
   b. Other Suggestions

4. Discussion of Issues, Topics, and Concerns to Be Addressed in the Coming Year
   a. Suggestions From the December Community Survey Sent to All AIUM Members
      • Having links available to lectures on the subject (such as Dr Hoppmann’s inspirational presentation at the First World Congress on Ultrasound in Medical Education), student testimonials, relevant literature, etc
      • Networking opportunities and training
   b. Other Suggestions

5. Discussion of Possible Educational Offerings for This Interest Group
   (eg, convention Special Interest Sessions [courses], webinars, and Postgraduate Courses): To satisfy ACCME requirements, the following 2 questions must be answered for each educational offering requested: (1) What are the professional gaps in your specialty? (2) What are the educational needs that underlie those gaps?
6. **Communications Representative Recruitment**: Responsible for enhancing social media activity in the Ultrasound in Medical Education Interest Group for a 1-year term. Experience with social media platforms is helpful but not required. (AIUM staff can help get the representative started.) Commitment includes:
   
   a. Stimulating discussion on www.aiumcommunities.org by posting at least 1 discussion, article link, and/or case per month on the AIUM Community site

   b. Participating in discussions posted by other members of your group

   c. *Encouraged but not required*: contributing to Twitter during the AIUM Annual Convention and contributing to AIUM members’ questions or comments on Facebook, as appropriate

7. **New Business**

8. **Adjournment**

All those with an interest in the integration of ultrasound into medical and resident 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.
Now the AIUM Annual Convention is easier to navigate with the help of the new Convention App

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<table>
<thead>
<tr>
<th>Exhibit Number</th>
<th>Company Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>111</td>
<td>Alberta Health Services</td>
</tr>
<tr>
<td>611</td>
<td>ALPINION Medical Systems, Ltd</td>
</tr>
<tr>
<td>320</td>
<td>American Registry for Diagnostic Medical Sonography (ARDMS)</td>
</tr>
<tr>
<td>212</td>
<td>AS Software, Inc</td>
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<tr>
<td>703</td>
<td>ATS Laboratories, Inc</td>
</tr>
<tr>
<td>317</td>
<td>Blue Phantom Ultrasound</td>
</tr>
<tr>
<td>107</td>
<td>CAE Healthcare</td>
</tr>
<tr>
<td>105</td>
<td>Center for Fetal Diagnosis and Treatment at the Children's Hospital of Philadelphia (CHOP)</td>
</tr>
<tr>
<td>206</td>
<td>CIRS, Inc</td>
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<td>511</td>
<td>CIVCO Medical Solutions</td>
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<tr>
<td>121</td>
<td>Conquest Imaging</td>
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<td>421</td>
<td>Cook Medical</td>
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<td>Digisonics, Inc</td>
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<td>Echosens SA</td>
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<td>617</td>
<td>Elsevier</td>
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<td>ESAote North America, Inc</td>
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<td>620</td>
<td>The Fetal Medicine Foundation USA</td>
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<tr>
<td>118</td>
<td>Freeland Systems, LLC</td>
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<tr>
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<td>Gammex, Inc</td>
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<td>607</td>
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<td>Hitachi Aloka Medical, Ltd</td>
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<td>imorgon Medical, LLC</td>
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<tr>
<td>707</td>
<td>Intersocietal Accreditation Commission (IAC)</td>
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<tr>
<td>208</td>
<td>Kyoto Kagaku Co, Ltd</td>
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<td>700</td>
<td>Lippincott Williams &amp; Wilkins</td>
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<td>704</td>
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## 2012 Exhibitors by Booth Number

### AllUM Resource Center and Accreditation Booth

<table>
<thead>
<tr>
<th>Booth Number</th>
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Exhibitor Profiles

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Phone: 82-2-3282-0900
Fax: 82-2-851-5591
E-mail: sales@alpinion.com
Website: http://www.alpinion.com
Core values, core technologies. Alpinion Medical Systems was established in 2007 as a true value innovator in the imaging technology field for diagnostic ultrasound imaging systems, therapeutic ultrasound systems (high-intensity focused ultrasound), and advanced piezoelectric and single-crystal transducer technologies. The LIJIN Group, Alpinion's sole shareholder, was established in 1967 and is one of Korea's major business groups, with a turnover of US $1.8 billion and 2300 employees globally. The LIJIN Group has business scopes including industrial materials and components, electricity, networks, construction, medical, broadcasting, and finance.

American Registry for Diagnostic Medical Sonography (ARDMS)
Booth 320
51 Monroe St
Plaza East One
Rockville, MD 20850 USA
Phone: 800-541-9754
E-mail: jessica.mclane@ardms.org
Website: http://www.ardms.org
The ARDMS, incorporated in 1975, is an independent nonprofit organization that administers examinations and awards credentials in the areas of diagnostic medical sonography (RDMS), diagnostic cardiac sonography (RDCS), vascular interpretation (RPVI), and vascular technology (RVT). The ARDMS has nearly 75,000 certified individuals throughout the world and is considered the global standard in medical ultrasound credentialing.
AS Software, Inc  
560 Sylvan Ave  
Englewood Cliffs, NJ 07632 USA  
Phone: 201-541-1900  
E-mail: tsaunderas@as-software.com  
Website: http://www.as-software.com  

AS Software, Inc, specializes in ultrasound reporting and Digital Imaging and Communications in Medicine (DICOM) 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.

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Phone: 203-579-2700  
Fax: 203-333-2681  
E-mail: atslaboratories@yahoo.com  
Website: http://www.atslaboratories.com  

ATS designs and manufactures phantoms to evaluate the performance of ultrasound imaging systems. Phantoms are used in quality assurance, field service, research and development, sales, marketing, and education. ATS specializes in custom-designed phantoms for your unique requirements. Products: Doppler flow system, training, and multipurpose phantoms. The multipurpose and beam profile phantoms meet the American College of Radiology Technical Standard performance-monitoring requirements for ultrasound imaging systems.

Blue Phantom Ultrasound  
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Phone: 425-881-8830  
Fax: 425-881-8807  
E-mail: customersupport@bluephantom.com  
Website: http://www.bluephantom.com  

Blue Phantom is the world leader in ultrasound hands-on training models. Blue Phantom models have superior realism and unmatched durability. Our broad portfolio of products including focused assessment with sonography for trauma, central venous access, transvaginal, transesophageal/transsthoracic echo, pericardiocentesis, paracentesis, lumbar puncture/epidural, regional anesthesia, thoracentesis, amniocentesis, and pediatric models. We are committed to providing superb products and uncompromising customer support.
Center for Fetal Diagnosis and Treatment at the Children’s Hospital of Philadelphia (CHOP)  
Booth 105  
34th Street and Civic Center Boulevard  
5126 Wood Building  
Philadelphia, PA 19104 USA  
Phone: 215-590-5298  
Fax: 215-590-2447  
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, the center 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 206  
2428 Almeda Ave, Suite 316  
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Phone: 757-855-2765  
Fax: 757-857-0523  
E-mail: admin@cirinc.com  
Website: http://www.cirinc.com  
For more than 25 years, CIRS has manufactured a wide range of ultrasound products for quality assurance, training, and demonstration. Products such as our biometric fetal phantom, cardiac phantom, vascular access training kit, and thyroid biopsy phantom provide users with a realistic tool to learn general scan techniques or practice ultrasound-guided interventional procedures. CIRS has several quality assurance phantoms and technical staff that can assist your facility in establishing a routine quality assurance program.

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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.
Cook Medical

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Founded in 1963, Cook Medical helped invent and popularize interventional medicine, pioneering many of the devices now commonly used worldwide to perform minimally invasive medical procedures throughout the body. Today, the company integrates minimally invasive medical devices, drugs, and biologic grafts to enhance patient safety and improve clinical outcomes. Since its inception, Cook has operated as a family-held private corporation focused on providing superior patient outcomes while reducing health care costs. For more information, visit www.cookmedical.com. Follow Cook Medical on Twitter at twitter.com/cookmedicalpr.

Digisonics, Inc

3701 Kirby Dr
Houston, TX 77098 USA
Phone: 713-529-7979
Fax: 713-529-7999
E-mail: doraw@digison.net
Website: http://www.digisonics.com

Digisonics has set the standard for obstetric and gynecologic software systems for more than 25 years, with the first review station, the first fully functional Web-based system, and a fully integrated 3-dimensional (3D)/4D analysis package. OB-View solutions bring together high-performance image analysis systems, professional reporting choices, an integrated clinical database, and a powerful picture archiving and communications system all in one system. OB-View solutions maximize efficiency by integrating and automating the entire complex work flow, resulting in maximum productivity.

Echosens SA

153 Avenue d’Italie
75013 Paris, France
Phone: 33-1-44-82-78-50
Fax: 33-1-44-82-78-60
E-mail: echosens@echosens.com
Website: http://www.echosens.com

Based on patented vibration-controlled transient elastography, FibroScan is designed to quantify hepatic elasticity and steatosis in a noninvasive manner in chronic liver diseases assessment. Founded in 2001, Echosens supplies its products in more than 70 countries through a global network of suppliers. It dedicates a major portion of its activity to research and development to invent new medical devices and open up new medical perspectives. The organization works in close cooperation with health professionals and patients’ associations to facilitate management and therapeutic monitoring of patients. To date, there around 400 publications that attest to the efficacy of FibroScan in clinical practice.
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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 workflow 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, Esaote's multispecialty systems offer outstanding image quality and advanced diagnostic capabilities for more confident diagnoses.

**Fetal Medicine Foundation USA**

3751 Red Oak Ct
Beavercreek, OH 45430 USA
Phone: 937-208-6084
Fax: 937-208-4268
E-mail: tlstuerman@mvh.org
Website: http://www.fetalmedicineusa.com

Established in 1995 the Fetal Medicine Foundation (FMF) is recognized as the world leader in fetal medicine education, research and accreditation. Offering free online courses and lectures to the world, the FMF is dedicated to advancing the field of fetal medicine and making a difference in the lives of moms and their babies. Go to www.fetalmedicine.com and join the other 30,000 physicians and sonographers who have taken our free 11–13-week scan course.
FUJIFilm Medical Systems, USA

419 West Ave
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Phone: 203-602-3625
Fax: 203-327-6485
E-mail: bdedon@fujifilm.com
Website: http://www.fujimed.com

Designed to meet the needs of the point-of-care and mobile health care environments, the Fazone CB is a compact and lightweight unit that produces high-quality images quickly and easily for on-the-go clinicians. The Fazone CB features Zone Sonography, a technology that employs complex signal processing unlike other conventional ultrasound systems. Zone Sonography acquires ultrasound data 10 times faster when compared to conventional ultrasound, resulting in less motion artifacts delivering image uniformity at every point.

Gammex, Inc

7600 Discovery Dr
Middleton, WI 53562 USA
Phone: 608-828-7000
Fax: 608-828-7500
E-mail: pid@gammex.com
Website: http://www.gammex.com

Gammex, Inc is a leader in the manufacturer of quality control (QC) phantoms. Throughout the world, service organizations, government agencies, education/research institutes, as well as hospital use Gammex QC phantoms. Gammex offers test tools for measuring imaging performance and software for automated record keeping. Gammex offers a wide range of quality assurance products for diagnostic radiology, computed tomography, mammography, radiation oncology, and ultrasound.

Gateway Community College

108 N 40th St
Phoenix, AZ 85034 USA
Phone: 602-286-6000
Website: http://www.gatewaycc.edu

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

Heritage Medical Products, Inc
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Phone: 888-256-8748
Fax: 417-256-3628
Email: 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: 203-269-5088
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. From our super premium system, F75, to our award-winning office-based ProSound Alpha 6, Hitachi Aloka Medical has the answer for clinical diagnostic requirements.
Intersocietal Accreditation Commission (IAC)

Booth 707

6021 University Blvd, Suite 500
Ellicott City, MD 21043 USA
Phone: 800-838-2110
Fax: 800-581-7889
E-mail: accreditation@intersocietal.org
Website: http://www.intersocietal.org

The Intersocietal Accreditation Commission (IAC) is made up of the Intersocietal Commission for the Accreditation of Vascular Laboratories (ICAVL; http://www.icavl.org), providing accreditation for noninvasive vascular testing; the Intersocietal Commission for the Accreditation of Echocardiography Laboratories (ICAEL; http://www.icael.org), providing accreditation for echocardiography; the Intersocietal Commission for the Accreditation of Nuclear Medicine Laboratories (ICANL; http://www.icanl.org), providing accreditation for nuclear cardiology, general nuclear medicine, and positron emission tomography; the Intersocietal Commission for the Accreditation of Magnetic Resonance Laboratories (ICAMRL; http://www.icamrl.org), providing accreditation for magnetic resonance; and the Intersocietal Commission for the Accreditation of Computed Tomography Laboratories (ICACTL; http://www.icactl.org), providing accreditation for computed tomography. The standards and corresponding accreditation material will be on display in our exhibit, or you may visit www.intersocietal.org or call 800-838-2110 for more information. Stop by the IAC booth to learn more about our new Online Accreditation application format, the webcast series Accreditation OnDemand, as well as payment policies linking reimbursement to accreditation.

Kyoto Kagaku Co, Ltd

Booth 208

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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 and medical and nursing education. The experiential training afforded by Kyoto’s high-fidelity products helps instructors enable students to become professionals.
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Suite 4, Medicentre
Heath Park, Cardiff CF14 4UJ, Wales
Phone: 44-779-500-8967
E-mail: stuart.gall@medaphor.com
Website: http://www.scantrainer.com

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 for 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 more experienced practitioner.

Medstreaming
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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 obstetrics and gynecology. 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.
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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. Parker Laboratories products are recognized globally by health care professionals as a standard of excellence and products of choice. Some of Parker’s products include Aquasonic 100 ultrasound transmission gel, the world standard for medical ultrasound, and Protex cleaner/disinfectant spray and wipes, a 1-step cleaner/disinfectant effective against a broad spectrum of pathogens without damaging nonporous surfaces. Visit the company website to find out more information.

Perinatal Quality Foundation  
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Phone: 405-753-6534  
E-mail: ntqrsupport@ntqr.org  
Website: http://www.ntqr.org

The Perinatal Quality Foundation, formerly the Maternal-Fetal Medicine Foundation, is the parent organization for the Nuchal Translucency Quality Review Program and other initiatives that improve the quality of perinatal medical services by providing state-of-the-art educational programs and evidence-based, statistically valid monitoring systems to evaluate current practices and facilitate the transition of emerging technologies into clinical care. The Perinatal Quality Foundation is a consensus organization that works closely with other professional groups, including the American Institute of Ultrasound in Medicine, Society for Maternal-Fetal Medicine, American College of Obstetricians and Gynecologists, American College of Radiology, Society of Diagnostic Medical Sonography, American College of Osteopathic Obstetricians and Gynecologists, and National Society of Genetic Counselors.

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Cypress, CA 90630 USA
Phone: 800.829.SONO
E-mail: marketing@samsungmedisonusa.com
Website: http://www.samsungmedisonusa.com

Samsung Medison is Korea’s leading diagnostic ultrasound company. Founded in 1985, the company is now selling cutting-edge medical devices in 110 countries around the world, with some 85% of its sales coming from outside Korea. The company has attracted global attention in the medical device community by developing its own technology through its advanced research and development capabilities and by propelling major advances such as producing the world’s first commercially available 3-dimensional ultrasound product. The company has also introduced many other advanced products, ranging from its signature Accuvix and SonoAce series to a laptop-sized ultracompact diagnostic ultrasound system. In February 2011, Samsung became a majority shareholder of Samsung Medison. For more information, visit http://www.samsungmedison.com.

Siemens Medical Solutions USA, Inc
Booth 405
51 Valley Stream Pkwy
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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 workflow.

Society of Ultrasound in Medical Education (SUSME)
Booth 715
6311 Garners Ferry Rd
Columbia, SC 29209 USA
Phone: 803-216-3204
E-mail: info@susme.org
Website: http://www.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 the Society of Ultrasound in Medical Education is to promote the use of ultrasound in medical education through development of educational experiences, research on outcomes, and distribution of results.
SOMA Access Systems, LLC  
Booth 210  
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SOMA Access Systems, LLC, is a medical technology company developing innovative devices that solve real-world medical problems while making health care safer, simpler, and more cost-effective. Visit www.somaaccesssystems.com for more information about SOMA Access Systems, LLC, and the ExactTrack ultrasound probe with Virtual Needle Technology.

SonoScape Co, Ltd  
Booth 621  
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Phone: 86-755-267-22890  
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Since its start in 2002, SonoScape has specialized in manufacturing high-standard diagnostic ultrasound systems and transducers and it has committed to supply customer-focused and reliable equipments for all clinics and hospitals. SonoScape is always enthusiastic about meeting the constant craving for health as well as providing optimal medical solutions. The company’s passion and enthusiasm for innovative new products is clearly seen in their design of new systems.

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Phone: 425-489-3839  
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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. Although our specialty is injury prevention among allied health workers, we also provide consulting services to workers in a variety of computer-related fields. Services offered by Sound Ergonomics include educational programs, workshops, continuing medical education lectures, clinical site evaluations, and examination room and computer workstation setup consultation. Products include arm support cushions, cable support arm bands and wrist supports, monitor mounts, keyboard trays, and ergonomic examination tables and seating. New products include the S’Ergo shoulder assist for arm support, a cardiac cushion for easier patient access during echocardiography examinations, and a new line of ergonomically designed and economical examination tables.
Sound Technology, Inc  
1363 South Atherton St  
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 (OEMs) with state-of-the-art ultrasound probes and engineering services. 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 transducers for a wide range of applications, including radiology, cardiology, obstetrics, gynecology, and surgery. Starting at the initial design phase, STI’s engineers work closely with their customers to exceed all technical requirements, guarantee optimal integration between transducers and ultrasound systems, and offer ergonomic solutions for the comfort of both sonographers and patients. Through continuous dedication to innovation and strategic partnerships, STI is now offering its OEM customers new abdominal and endocavity probe designs for real-time volumetric imaging and high-performance acoustic designs to meet the price/performance demands of both midrange and high-end ultrasound systems.

SuperSonic Imagine  
Les Jardins de la Duranne, Bât F  
510 Rue René Descartes  
13857 Aix-en-Provence, France  
Phone: 33-954-399-9374  
Fax: 33-954-457-2448  
E-mail: contactsUSA@supersonicimagine.com  
Website: http://www.supersonicimagine.com

SuperSonic Imagine is an innovative multinational medical imaging company dedicated to developing a revolutionary ultrasound system: the Aixplorer. Engineers from all over the world have joined the SuperSonic Imagine team, and the company now has offices in Aix-en-Provence, France, Seattle, Washington, London, England, and Munich, Germany. Aixplorer is a next-generation ultrasound imaging system with unique technology that offers advantages in lesion detection and characterization. Using a method of imaging called shear wave elastography, Aixplorer can measure true tissue elasticity in real time. The Aixplorer ultrasound system provides impeccable images and sophisticated features packaged in an ergonomic design to assist in the imaging diagnostic process.
Texas Children’s Fetal Center
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 Fetal Center 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 Fetal Center 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.

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E-mail: marketingcommunications@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.
UltraLinq Healthcare Solutions, Inc  
236 West 30th St, 15th Floor  
New York, NY 10001 USA  
Phone: 646-666-9576  
E-mail: sfarber@ultralinq.com  
Website: http://www.UltraLinq.com

UltraLinq Healthcare Solutions provides a Web-based ultrasound and image management solution, which can revolutionize your practice by providing physicians, sonographers, and administrators with the most effective and seamless process for viewing, reporting, managing, sharing, distributing, and archiving ultrasound studies. Delivered under software as a service model, UltraLinq allows you to match your expenses with revenues by charging a study fee per upload.

Ultrasonix Medical Corporation  
130-4311 Viking Way  
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Phone: 604-279-8550  
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Website: http://www.ultrasonix.com

Ultrasonix develops and manufactures diagnostic ultrasound imaging systems with customizable touch screens to simplify workflows. 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. Founded in 2000, Ultrasonix is a privately held company headquartered in Richmond, British Columbia, Canada.

Verasonics, Inc  
22222 NE 62nd Pl  
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Fax: 206-781-7097  
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Verasonics has developed revolutionary ultrasound system technology. This real-time software-based ultrasound system accelerates research and provides unsurpassed control while simplifying the data collection and analysis process. Verasonics licenses its technology, sells research systems and software components, and provides consulting services. Key areas of application support: optoacoustics, high-intensity focused ultrasound, high-frequency ultrasound, elastography, as well as a variety of standard imaging modes.
World Federation for Ultrasound in Medicine and Biology (WFUMB)  
Booth 709  
14750 Sweitzer Ln, Suite 100  
Laurel, MD 20707 USA  
Phone: 301-498-4100  
Fax: 301-498-4450  
E-mail: admin@wfumb.org  
Website: http://www.wfumb.org

The World Federation for Ultrasound in Medicine and Biology (WFUMB) is dedicated to the advancement of ultrasound by encouraging research, promoting international cooperation, disseminating scientific information, and improving communication and understanding in the world community using ultrasound in medicine and biology.

ZONARE Medical Systems, Inc  
Booth 204  
420 North Bernardo Ave  
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Website: http://www.zonare.com

ZONARE Medical Systems, Inc, based in Mountain View, California, is solely dedicated to ultrasound excellence through its innovative software-based next-generation technology and putting customers and employees first. The patented design and architecture of the z.one ultrasound platform deliver high-end image quality and clinical versatility at unparalleled value. ZONARE’s exclusive ultrasound focus resulted in Frost and Sullivan awarding the 2011 North American Technology Innovation Award in Diagnostic Ultrasound Imaging Technology to ZONARE. For more information, visit www.zonare.com.

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  - Perinatal Quality Foundation
- Education Software
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Medical Texts and References
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