AMERICAN INSTITUTE OF ULTRASOUND IN MEDICINE

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NYC
MARCH 17–21
2016

2016 Convention and Preconvention Program

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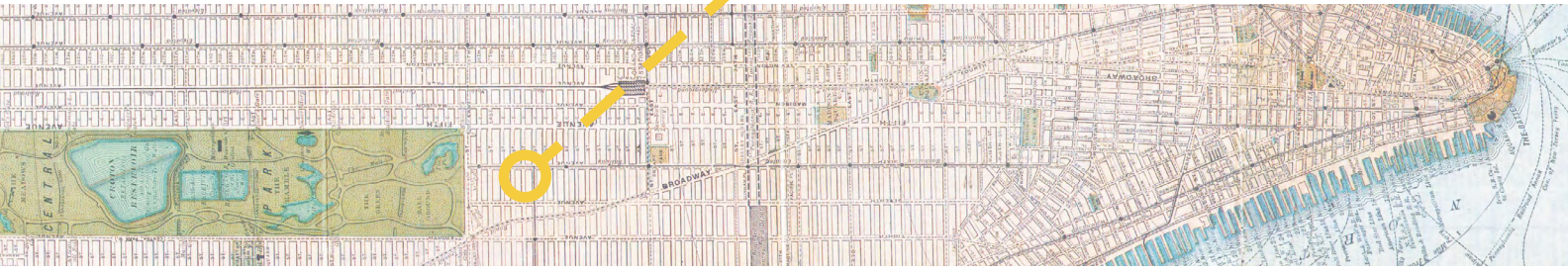
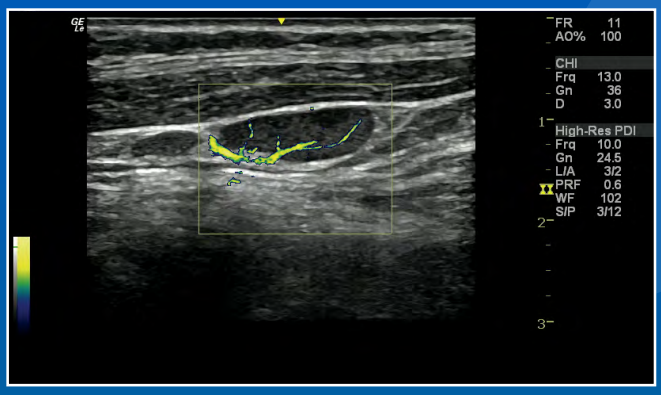
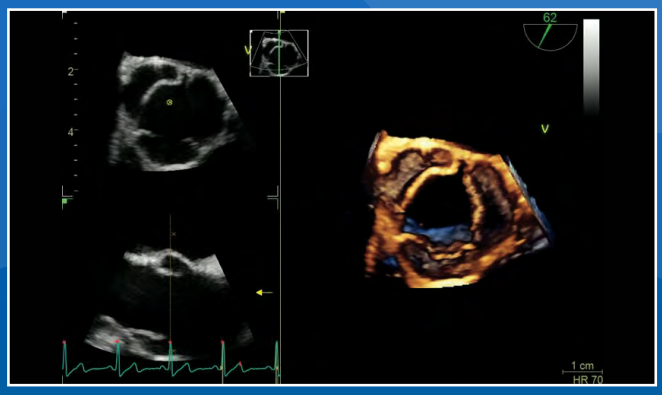


GE Healthcare

Partners for Better Health

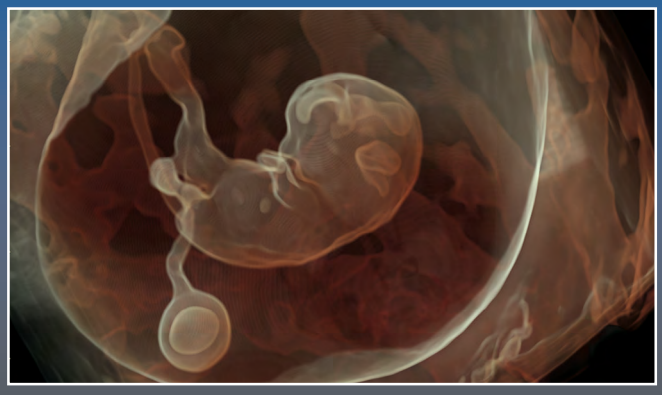


Lymph node vascularity demonstrated utilizing High Res PDI, NextGen LOGIQ™ *e*



3D Image of the Aortic Valve Leaflets, Vivid™ E95

Full term neonatal head, LOGIQ E9 XDclear™ 2.0



Voluson™ E10 – HD*live*™ Silhouette helps you with early health assessment

SEE WHAT'S NEW!

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NextGen LOGIQ *e* is a configuration of the LOGIQ *e*.

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The contents of this book are current as of February 24, 2016.

SCHEDULE AT A GLANCE

Wednesday, March 16, 2016

3:00 PM–6:00 PM Output Standards Subcommittee Meeting

7:00 PM–9:00 PM International Electrotechnical Commission Subcommittee Meeting

Thursday, March 17, 2016

6:30 AM–5:00 PM Registration Open

7:00 AM–7:30 AM Breakfast

7:00 AM–5:00 PM SonoSlam

7:30 AM–5:00 PM Preconvention Program

8:00 AM–2:00 PM Bioeffects Committee Meeting

12:30 PM–3:30 PM Finance and Executive Committee Meeting

2:00 PM–6:00 PM Technical Standards Committee Meeting

5:15 PM–6:00 PM Ultrasound in Medical Education Special Interest Group Meeting

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

Friday, March 18, 2016

6:00 AM Central Park Run

6:30 AM–4:30 PM Convention Registration Open

8:00 AM–9:30 AM Special Interest Sessions

9:45 AM–11:30 AM Opening Plenary Session, Awards Session, and AIUM Business Meeting

11:30 AM–1:00 PM Grand Opening Luncheon in the Exhibit Hall (Americas Hall I)

11:30 AM–4:00 PM Exhibit Hall Open
E-Posters Open for Viewing

1:00 PM–2:00 PM Curriculum Task Force Meeting

1:30 PM–2:30 PM *Journal of Ultrasound in Medicine* Deputy and Subspecialty Editors Meeting (by invitation only)

1:00 PM–3:00 PM Special Interest Sessions
Hands-on Special Interest Sessions

3:30 PM–5:30 PM Special Interest Sessions

5:30 PM–6:00 PM Therapeutic Ultrasound Community Meeting

Saturday, March 19, 2016

6:00 AM Central Park Run

6:30 AM–4:30 PM Convention Registration Open

7:00 AM–8:00 AM Just Images and Comprehensive Refresher Sessions
Journal of Ultrasound in Medicine Editorial Board Meeting (by invitation only)

8:15 AM–10:15 AM Special Interest Sessions
Hands-on Special Interest Session

9:00 AM–10:00 AM Membership Committee Meeting

9:30 AM–4:00 PM Exhibit Hall Open (Americas Hall)
E-Posters Open for Viewing

10:15 AM–11:00 AM Cardiovascular Ultrasound Community Meeting
Elastography Interest Group Meeting
Neurosonology Community Meeting

11:00 AM–12:00 PM Musculoskeletal Ultrasound Community Meeting

11:00 AM–12:30 PM Special Interest Sessions
Scientific Sessions
General and Abdominal Ultrasound Community Meeting

12:30 PM–1:30 PM Lunch in the Exhibit Hall (Americas Hall II)

12:30 PM–1:30 PM Clinical Standards Committee Meeting
Contrast-Enhanced Ultrasound Community Meeting
Gynecologic Ultrasound Community Meeting
Presidential Advisory Committee Meeting

1:30 PM–3:30 PM Special Interest Sessions
Hands-on Special Interest Session
Ultrasound Practice Accreditation Council Meeting

2:30 PM–3:00 PM Pediatric Ultrasound Community Meeting

3:00 PM–4:00 PM Interventional-Intraoperative Ultrasound Community Meeting

4:00 PM–5:30 PM Special Interest Sessions
Hands-on Special Interest Session
Scientific Sessions
Ultrasound in Global Health Interest Group Meeting
Accreditation Tutorial

5:30 PM–6:00 PM Sonography Community Meeting

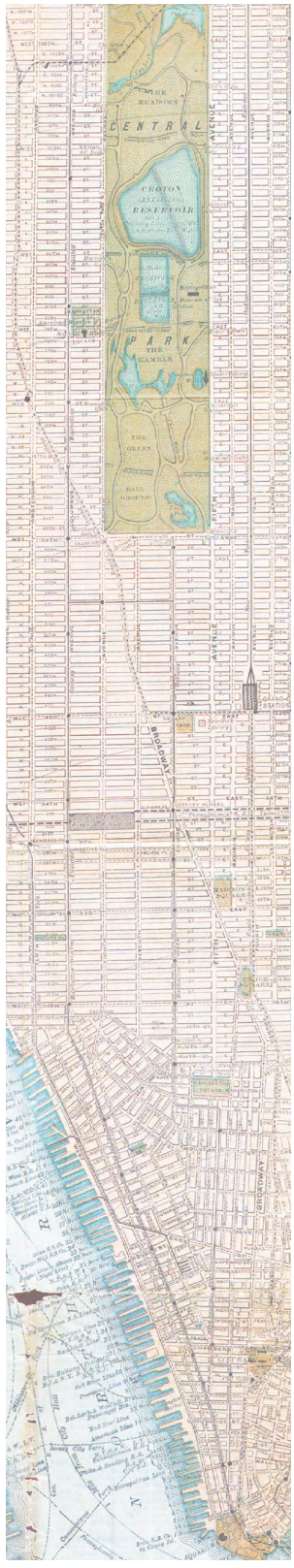
6:00 PM–7:00 PM Sonographer Networking Reception (by invitation only)

Sunday March, 20, 2016

6:30 AM–4:30 PM	Convention Registration Open
7:00 AM–8:00 AM	Special Interest Sessions
7:00 AM–8:00 AM	Council on Communities Meeting
8:15 AM–10:15 AM	Continuing Medical Education (CME) Committee Meeting
	Special Interest Sessions
	Hands-on Special Interest Session
9:30 AM–4:00 PM	Exhibit Hall Open
	E-Posters Open for Viewing
10:15 AM–11:00 AM	Basic Science and Instrumentation Community Meeting
11:00 AM–12:30 PM	Special Interest Sessions
	Scientific Sessions
12:30 PM–1:30 PM	Fetal Echocardiography Community Meeting
	Point-of-Care Ultrasound Community Meeting
12:30 PM–3:30 PM	Executive Committee Meeting
12:30 PM–1:30 PM	Lunch in the Exhibit Hall (Americas Hall I)
1:30 PM–3:30 PM	Special Interest Sessions
4:00 PM–5:30 PM	Special Interest Sessions
	Scientific Sessions
	Obstetric Ultrasound Community Meeting
	Leadership Dinner (by invitation only)

Monday, March 21, 2016

6:30 AM–3:30 PM	Convention Registration Open
7:00 AM–8:00 AM	Special Interest Sessions
8:15 AM–11:00 AM	Board of Governors Meeting
8:15 AM–10:15 AM	Special Interest Sessions
9:30 AM–1:30 PM	Exhibit Hall Open
	E-Posters Open for Viewing
10:15 AM–11:00 AM	High-Frequency Clinical and Preclinical Imaging Community Meeting
11:00 AM–12:30 PM	Special Interest Sessions
	Scientific Sessions
12:30 PM–1:30 PM	Lunch in the Exhibit Hall (Americas Hall II)
1:30 PM–3:30 PM	Special Interest Sessions



GENERAL INFORMATION

Registration Hours

Second Floor Promenade

Thursday, March 17, 2016	6:30 AM–5:00 PM
Friday, March 18, 2016	6:30 AM–4:30 PM
Saturday, March 19, 2016	6:30 AM–4:30 PM
Sunday, March 20, 2016	6:30 AM–4:30 PM
Monday, March 21, 2016	6:30 AM–3:30 PM

Speaker Ready Room

New York Suite, Fourth Floor

Thursday, March 17, 2016	6:00 AM–5:00 PM
Friday, March 18, 2016	7:00 AM–5:30 PM
Saturday, March 19, 2016	6:30 AM–5:30 PM
Sunday, March 20, 2016	6:30 AM–5:30 PM
Monday, March 21, 2016	6:30 AM–5:30 PM

AIUM Resource Center

Exhibit Hall, Americas Hall I

Friday, March 18, 2016	11:00 AM–4:00 PM
Saturday, March 19, 2016	9:30 AM–4:00 PM
Sunday, March 20, 2016	9:30 AM–4:00 PM
Monday, March 21, 2016	9:30 AM–1:30 PM

AIUM Office Hours

Fifth Floor

Thursday, March 17, 2016	7:30 AM–4:30 PM
Friday, March 18, 2016	7:30 AM–4:30 PM
Saturday, March 19, 2016	7:30 AM–4:30 PM
Sunday, March 20, 2016	7:30 AM–4:30 PM

Exhibitor Registration Hours

Second Floor Promenade

Thursday, March 17, 2016	6:30 AM–5:00 PM
Friday, March 18, 2016	7:00 AM–4:30 PM
Saturday, March 19, 2016	6:30 AM–4:30 PM
Sunday, March 20, 2016	6:30 AM–4:30 PM
Monday, March 21, 2016	6:30 AM–1:30 PM

Exhibit Hall Hours

Americas Hall I and Americas Hall II

Friday, March 18, 2016	11:00 AM–4:00 PM
Grand Opening Luncheon (Americas Hall I)	11:30 AM–1:00 PM
Saturday, March 19, 2016	9:30 AM–4:00 PM
Coffee Service	9:30 AM–10:15 AM
Lunch (Americas Hall II)	12:30 PM–1:30 PM
Sunday, March 20, 2016	9:30 AM–4:00 PM
Coffee Service	9:30 AM–10:15 AM
Lunch (Americas Hall I)	12:30 PM–1:30 PM
Monday, March 21, 2016	9:30 AM–1:30 PM
Coffee Service	9:30 AM–10:15 AM
Lunch (Americas Hall II)	12:30 PM–1:30 PM

E-Poster Viewing Hours

Americas Hall II

Friday, March 18, 2016	11:30 AM–4:30 PM
Saturday, March 19, 2016	9:30 AM–4:30 PM
Sunday, March 20, 2016	9:30 AM–4:00 PM
Monday, March 21, 2016	9:30 AM–1:30 PM

Hands-on Special Interest Sessions

Friday, March 18, 2016

~~8:00 AM–9:30 AM~~	~~Shoulder Ultrasound (F1)~~	Sold out
~~1:00 PM–3:00 PM~~	~~Elastography (F2)~~	Sold out
~~3:30 PM–5:30 PM~~	~~Fetal Cardiac Sonography: Basic and Advanced (F3)~~	Sold out

Saturday, March 19, 2016

8:15 AM–10:15 AM	Evaluation of Chronic Venous Insufficiency (SA1)	
~~1:30 PM–3:30 PM~~	~~Hip Ultrasound (SA2)~~	Sold out
4:00 PM–5:30 PM	Carotid and Transcranial Doppler Ultrasound (SA3)	

Sunday, March 20, 2016

8:15 AM–10:15 AM	Ultrasound Guidance for Critical Procedures (S1)	
1:30 PM–3:30 PM	How to Do the Biopsy: From Simple to Sophisticated (S2)	
~~4:00 PM–5:30 PM~~	~~Knee and Ankle Ultrasound, Including Regional Peripheral Nerves (S3)~~	Sold out

GENERAL INFORMATION

Badges
For those attendees who have registered in advance, your badge and registration materials will be held for you at the AIUM Advance Registration Desk, located at the New York Hilton Midtown Promenade, second floor.

Lost or Forgotten Badge
If you need to replace a lost or forgotten badge, a $25 fee will apply.

Spouse and Guest Registration
You may register a spouse/guest for $220, which provides access to the Exhibit Hall, including lunches and breaks.

Children
Children are not permitted in the exhibit hall or educational sessions.

Hotel Information
The New York Hilton Midtown is conveniently located in the heart of Midtown Manhattan, just steps away from New York City's most popular attractions and shopping destinations. This Midtown Manhattan hotel offers a wealth of services and amenities and an intimate experience. The hotel's stylish guest rooms provide a refreshing night's rest in the city that never sleeps. Although many organizations and associations use an outside travel agency to negotiate contracts, the AIUM negotiates its own contracts, and any discounts are paid directly to the AIUM. Income from the discounts allows the AIUM to offset expenses and provide enhanced services to attendees.

Videotaping and Photography Policy
The AIUM does not allow any unauthorized videotaping or photography during the AIUM Annual Convention and Preconvention Program. The AIUM reserves the right to photograph or videotape any exhibits or attendee for use in promotional materials or AIUM publication.

Smoking Policy
The Hilton New York Midtown is a smoke-free environment.

Need Help?
If you have questions during the convention, look for the blue AIUM shirts. The AIUM staff will be wearing these shirts throughout the duration of the convention.

Hotel Address
New York Hilton Midtown
1355 Avenue of the Americas
New York, NY 10019 USA
212-586-7000

A spectacular location in the heart of midtown Manhattan.

COMMUNITY + COMMITTEE MEETINGS

Community and Interest Group Meeting Schedule

Thursday, March 17, 2016

5:15 PM–6:00 PM Ultrasound in Medical Education
Concourse G

Friday, March 18, 2016

5:30 PM–6:00 PM Therapeutic Ultrasound
Concourse A

Saturday March 19, 2016

10:15 AM–11:00 AM Cardiovascular Ultrasound
Beekman

10:15 AM–11:00 AM Elastography
Sutton Center

10:15 AM–11:00 AM Neurosonology
Sutton South

11:00 AM–12:30 PM General and Abdominal Ultrasound
East

11:00 AM–12:00 PM Musculoskeletal Ultrasound
Regent

12:30 PM–1:30 PM Contrast-Enhanced Ultrasound
Concourse F

12:30 PM–1:30 PM Gynecologic Ultrasound
Grand Ballroom West

2:30 PM–3:00 PM Pediatric Ultrasound
Sutton North

3:00 PM–4:00 PM Interventional/Intraoperative Ultrasound
Sutton Center

4:00 PM–5:30 PM Ultrasound in Global Health
Concourse G

5:30 PM–6:00 PM Sonography
Gibson

Sunday, March 20, 2016

7:00 AM–8:00 AM Council on Communities Meeting
East

10:15 AM–11:00 AM Basic Science and Instrumentation
Concourse A

12:30 PM–1:30 PM Fetal Echocardiography
Sutton north

12:30 PM–1:30 PM Point-of-Care Ultrasound
East

4:00 PM–5:30 PM Obstetric Ultrasound
Trianon

Monday, March 21, 2016

10:15 AM–11:00 AM High-Frequency Clinical and Preclinical Imaging
Petite Trianon

Committee Meeting Schedule

Wednesday, March 16, 2016

3:00 PM–6:00 PM Output Standards Subcommittee
East

7:00 PM–9:00 PM International Electrotechnical Commission Subcommittee
East

Thursday, March 17, 2016

8:00 AM–2:00 PM Bioeffects Committee
East

12:30 PM–3:30 PM Executive Committee
Hilton Board Room

2:00 PM–6:00 PM Technical Standards Committee
East

Friday, March 18, 2016

1:00 PM–2:00 PM Curriculum Task Force Committee
Holland

1:30 PM–2:30 PM *Journal of Ultrasound in Medicine* Deputy and Subspecialty Editors
East

Saturday, March 19, 2016

7:00 AM–8:00 AM *Journal of Ultrasound in Medicine* Editorial Board
Mercury

9:00 AM–10:00 AM Membership Committee
East

12:30 PM–1:30 PM Clinical Standards Committee
Harlem

12:30 PM–1:30 PM Presidential Advisory Committee
Holland

1:30 PM–3:30 PM Ultrasound Practice Accreditation Council
East

Sunday, March 20, 2016

7:00 AM–8:00 AM Council on Communities
East

8:15 AM–10:15 AM Continuing Medical Education Committee
Harlem

12:30 PM–3:30 PM Executive Committee
Hilton Board Room

7:00 PM–11:00 PM Leadership Dinner
Grand Ballroom West

Monday, March 21, 2016

8:15 AM–11:00 AM Board of Governors
Mercury

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SPECIAL INTEREST TRACKS

aium NYC MARCH 17-21 2016

Convention registrants can attend sessions from all interest tracks, unless the session is followed by an asterisk which indicates a separate registration fee is required. Orange strike through indicates sessions that are sold out.

Basic Science and Instrumentation

- Estimation of In Situ Acoustic Output Levels — Friday
- Compressional Sound Speed Imaging — Saturday
- Design Updates for Nontraditional Applications of Point-of-Care Ultrasound — Saturday
- Community Meeting — Sunday
- Synthetic Focus Imaging Techniques — Sunday
- Cleaning Up Ultrasound Images — Monday

Cardiovascular Ultrasound

- Acute Cardiac Ultrasound Cases — Friday
- Advanced Carotid Ultrasound — Friday
- Carotid Ultrasound: The Good, the Bad, and the Ugly — Friday
- How to Approach the Transplant Recipient — Friday
- Vascular Jeopardy — Friday
- Community Meeting — Saturday
- Hands-on Carotid and Transcranial Doppler Ultrasound* — Saturday
- Hands-on Evaluation of Chronic Venous Insufficiency* — Saturday
- Just Images: Uncommon Chronic Vascular Pathology — Saturday
- Just Images: Vascular Emergencies — Saturday
- Renal Doppler Ultrasound: How Far Can You Go? — Saturday
- Imaging Pitfalls and Great Calls — Sunday
- Noninvasive Testing for Peripheral Arterial Disease: Case-Based Presentations — Sunday
- Peripheral Arterial Disease: Consult Through Intervention and Follow-up Surveillance — Sunday
- Spectrum of Care and Evaluation of Chronic Venous Insufficiency — Sunday
- Transcranial Doppler Application and Interpretation in Brain Injury and Disease — Sunday
- Just Images: Abdominal Aorta — Monday
- Just Images: Cardiovascular Ultrasound — Monday

Contrast-Enhanced Ultrasound

- Clinical Applications of Contrast-Enhanced Ultrasound: Case-Based Approach — Saturday
- Clinical Applications of Ultrasound Contrast: Part 1 — Saturday
- Clinical Applications of Ultrasound Contrast: Part 2 — Saturday
- Community Meeting — Saturday
- Just Images: Contrast-Enhanced Ultrasound — Sunday

Elastography

- ~~Elastography Hands-On*~~ — ~~Friday~~
- Imaging Application and Uses: Part 1 — Friday
- Research in Elastography — Friday
- Interest Group Meeting — Saturday
- Just Images: Breast Elastography — Saturday
- Musculoskeletal Elastography — Saturday
- Elastographic Images — Sunday
- Imaging Application and Uses: Part 2 — Sunday

Fetal Echocardiography

- Common Congenital Heart Anomalies: Prenatal, Postnatal, and Pathologic Correlations — Friday
- Hands-on Fetal Cardiac Sonography: Basic to Advanced* — Friday
- Prognosis and Follow-up After Early Diagnosis of Fetal Cardiac Abnormalities — Friday
- What Went Wrong? All You Need to Know About Fetal Cardiac Embryology, Anatomy, and Pathology — Friday
- Abnormalities of the Fetal Venous System — Saturday
- Can Fetal Echocardiography Predict the Future? Progression of Pathology Through Gestation — Saturday
- Normal Fetal Heart Examination: Chambers, Arteries, and Veins — Saturday
- Community Meeting — Sunday
- Complications of Monochorionicity — Sunday
- Interplay of Genetics and the Fetal Heart: Different Problems, Different Perspectives — Sunday
- Tricks and Physics: How to Improve Your Imaging of the Fetal Heart — Sunday
- Assessment of the Fetus at Risk for Cardiac Decompensation: When to Worry, What to do About It — Monday
- Just Images: Fetal Echocardiography — Monday
- Wrong Diagnosis: Learning From Our Mistakes — Monday

SPECIAL INTEREST TRACKS

General and Abdominal Ultrasound

Breast Imaging — Friday

Evaluation and Follow-up of the Chronic Kidney Disease Patient With a Renal Mass — Friday

Ultrasound Evaluation of the Abdominal Wall and Associated Structures — Friday

Community Meeting — Saturday

Just Images: Uncommon Vascular Pathology — Saturday

Renal Doppler Ultrasound: How Far Can You Go? — Saturday

Ultrasound After 5 PM — Saturday

Ultrasound of the Patient With a Thyroid Nodule: Basic Anatomy and Preoperative and Postoperative Evaluation — Saturday

Journal Club: Recently Published Articles That Have Shaped the Practice of General and Abdominopelvic Ultrasound — Sunday

Film Panel: Unknown Cases — Sunday

Should You Change Your Current Practice of Hepatic Sonography? — Monday

Gynecologic Ultrasound

Deep Endometriosis — Friday

Just Images: Urogynecology and Pelvic Floor — Friday

Novel Gynecologic and Early-Pregnancy Ultrasound-Guided Interventions — Friday

Abnormal Uterine Bleeding — Saturday

Acute Care in Gynecology — Saturday

Community Meeting — Saturday

Film Panel: Unknown Cases — Saturday

Three-Dimensional Gynecologic Ultrasound — Saturday

Adnexal Masses — Sunday

Early Pregnancy, Pregnancy of Unknown Location, and Ectopic Pregnancy — Sunday

Just Images: Gynecology — Monday

Knobology and the Basics of Gynecologic Ultrasound — Monday

Reproductive Medicine and Infertility — Monday

High-Frequency Clinical and Preclinical Imaging

Advances in Photoacoustic Imaging — Sunday

Applications of High-Frequency Ultrasound for Drug Development and Testing — Monday

Community Meeting — Monday

Imaging With High-Frequency Ultrasound: Live Demonstration — Monday

Interventional and Intraoperative Ultrasound

Novel Gynecologic and Early-Pregnancy Ultrasound-Guided Interventions — Friday

Community Meeting — Saturday

Ultrasound-Guided Intervention: Start-of-the-Art Techniques in Biopsy, Managing Coagulopathy, and Avoiding Complications — Saturday

Hands-on How to do the Biopsy: From Simple to Sophisticated* — Sunday

Just Images: Interventional/Intraoperative Ultrasound — Monday

Musculoskeletal Ultrasound

Hands-on Shoulder Ultrasound* — Friday

Musculoskeletal Ultrasound of Sports Injuries and Hernias — Friday

Community Meeting — Saturday

Hands-on Hip Ultrasound* — Saturday

Musculoskeletal Elastography — Saturday

Hands-on Knee and Ankle Ultrasound, Including Regional Peripheral Nerves* — Sunday

Ultrasound-Guided Tendon Procedures: Techniques, Tips, and Tricks — Sunday

Just Images and Dynamics: Musculoskeletal Ultrasound –From Pediatrics to Adults — Monday

Rheumatologic Applications in Ultrasound — Monday

Neurosonology

Carotid Ultrasound: The Good, the Bad, and the Ugly — Friday

Advanced Carotid Ultrasound — Friday

Vascular Jeopardy — Friday

Community Meeting — Saturday

Hands-on Carotid and Transcranial Doppler Ultrasound* — Saturday

Neonatal Head Sonography — Saturday

Just Images: Perinatal Neurosonography — Sunday

Transcranial Doppler Application and Interpretation in Brain Injury and Disease — Sunday

Transcranial Doppler Basics and Notes for Stroke — Sunday

Fetal Neurosonography: Evaluation of Structural Brain Development and Malformations — Monday

In, Out, and About the Pediatric Spinal Canal — Monday

Just Images: Pediatric/ Neurosonology — Monday

SPECIAL INTEREST TRACKS (CONT'D)

Obstetric Ultrasound

Controversies in Noninvasive Prenatal Testing — Friday
Evaluation of the Cervix in Pregnancy — Friday
Obstetric Film Panel: Interesting Prenatal Cases With Neonatal Follow-up — Friday
Hands-on Fetal Cardiac Sonography: Basic and Advanced* — Friday
Abnormalities of the Fetal Venous System — Saturday
Controversies in Obstetric Doppler Ultrasound — Saturday
Just Images: First-Trimester Ultrasound — Saturday
Learning From Our Mistakes: Where We Got Fooled — Saturday
Medicolegal Issues in Obstetric Ultrasound — Saturday
Coding and Billing in Obstetric Ultrasound — Sunday
Community Meeting — Sunday
Complications of Monochorionicity — Sunday
Obstetric Double Jeopardy: An Audience Participation Imaging Game — Sunday
Prenatal Imaging of the Fetal Face — Sunday
The Fetal Abdomen: Beyond the Basics — Sunday
Three- and Four-Dimensional Ultrasound for the Advanced Assessment of Fetal Abnormalities — Sunday
Emerging Concepts in Fetal Growth Assessment — Monday
Fetal Genitourinary Abnormalities — Monday
Fetal Neurosonography: Evaluation of Structural Brain Development and Malformations — Monday
Just Images: Obstetrics — Monday

Pediatric Ultrasound

Breast Lumps in Teenagers: The "Black Hole" of Pediatric Radiologists — Saturday
Community Meeting — Saturday
Complex Cutting-Edge Pediatric Ultrasound — Saturday
Prenatal Ultrasound Abnormalities of the Chest, Abdomen, and Pelvis With Postnatal Correlation — Saturday
How to Be an Ultrasound Hipster: A Comprehensive Radiologist's and Pediatric Orthopedic Surgeon's Approach to Groovy Hip Joint Imaging With Ultrasound — Sunday
Pediatric Oncologic Ultrasound: Liver, Renal, and Retroperitoneal Tumors — Sunday
Challenging Pediatric Ultrasound Cases — Monday
Just Images: Pediatric Ultrasound/ Neurosonography — Monday
Sonography Teaching Master Class: Experts Discuss How to Orchestrate Sonography Teaching for Physicians That Leads to Standing Ovations and Encores — Monday

Point-of-Care Ultrasound

Acute Cardiac Ultrasound Cases — Friday
Institutional Point-of-Care Ultrasound — Friday
Point-of-Care Ultrasound Assessment of Acute Bowel Pathology — Friday
Design Updates for Nontraditional Applications of Point-of-Care Ultrasound — Saturday
Interesting Cases in Acute Care — Saturday
Ultrasound Evaluation of Vascular Emergencies — Saturday
Acute Head and Neck Ultrasound — Sunday
Community Meeting — Sunday
Hands-on Ultrasound Guidance for Critical Procedures* — Sunday
Point-of-Care Ultrasound: Recent Advances in Research and Technology — Sunday
Sonographic Evaluation of Acute Musculoskeletal Complaints — Sunday
Just Images: Point-of-Care Ultrasound — Monday
New Horizons in Critical Care Ultrasound — Monday
Ultrasound Evaluation of Acute Abdominal and Pelvic Pain — Monday

Sonography

Becoming an Evidence-Based Practitioner — Saturday
Community Meeting — Saturday

Therapeutic Ultrasound

Community Meeting — Friday
Therapeutic Ultrasound — Friday

Ultrasound in Global Health

Interest Group Meeting — Saturday
Interesting Cases from Resource Limited Settings — Saturday
Ultrasound in Global Health Lecture Series: Bringing Ultrasound to the World — Saturday

Other

Accreditation Tutorial — Saturday
How to Be an Effective Manuscript Reviewer for the *Journal of Ultrasound in Medicine* — Sunday

CASE-OF-THE-DAY CHALLENGES

Americas Hall II

On behalf of the Planning Committee, we would like to thank the communities and interest groups for providing the cases for the Case-of-the-Day Challenges.

The Case-of-the-Day Challenges will be located on the 2nd floor of the Exhibit Hall; Americas Hall II.

The cases will be available beginning on **Friday, March 18, through Monday, March 21, 2016.**

The cases will be displayed on designated computers where you will be able to choose your challenge according to specialty. When you submit your answer, you will find out immediately whether your diagnosis is correct. Your results will be purged immediately, so only you will know whether your diagnosis is correct.

Most importantly, enjoy the education these case of the day challenges provide.

Thank you to Parker Laboratories, Inc. for their generous support of the Case-of-the-Day Challenges.

PARKER LABORATORIES, INC.

JOIN US!

Get your *AIUM Annual Convention* started off on the right foot by joining your colleagues on a hosted 3- or 6-mile run!
These runs, hosted and led by local runners, will provide you with a little exercise and a unique way to see part of the city while you network with colleagues.

When: March 18 and 19
When: 6:00 AM
Start: New York Hilton Midtown lobby

Visit the registration area or the AIUM booth if you have any questions.

CONTINUING MEDICAL EDUCATION (CME) CREDIT INFORMATION

Activity Description

The 2016 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 for the 2016 Preconvention Program

The AIUM designates this live activity for a maximum of up to 7.5 *AMA PRA Category 1 Credits*™. Physicians should claim only the credits commensurate with the extent of their participation in the activity.

Designation Statement for the 2016 Convention

The AIUM designates this live activity for a maximum of up to 29.0 *AMA PRA Category 1 Credits*™. Physicians should claim only the credits commensurate with the extent of their participation in the activity.

Credits for Sonographers

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

American Registry for Diagnostic Medical Sonography (ARDMS)

The ARDMS accepts *AMA PRA Category 1 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 7.5 ARRT Category A Credits for the 2016 AIUM Preconvention Program and 29.0 ARRT Category A credits for the *2016 Convention*.

The Ultrasound Guided Regional Anesthesia (UGRA) Credits

The Ultrasound Guided Regional Anesthesia (UGRA) Education and Clinical Training Portfolio is a joint initiative from ASA and the American Society of Regional Anesthesia and Pain Medicine (ASRA) designed for anesthesiologists who wish to distinguish themselves in the field and provide evidence of training and experience to share with employers. The program guides participants through specific criteria to demonstrate knowledge and achievement in UGRA procedures. The program requires participants to progressively build knowledge through participation in specific CME activities and validate experience via case log documentation. The completed portfolio contains data that defines all UGRA achievements, the criteria required to meet the achievement and evidence of how those criteria were met.

Courses are indicated with a **UGRA**.

SAMs

The ABR defines "self-assessment CME" as interactive learning opportunities that use self-assessment tools to help learners reflect on their practice and identify their individual needs. The following sessions qualify for self-assessment CME toward the purpose of fulfilling requirements in the American Board of Radiology Maintenance of Certification Program:

- Breast Lumps in Teenagers: The "Black Hole" of the Pediatric Radiology (March 19)
- Ultrasound Guided Intervention–State of the Art Techniques in Biopsy, Managing Coagulopathy, and Avoiding Complications (March 19)
- How to be an Ultrasound Hipster (March 20)
- Pediatric Onocologic Ultrasound: Liver, Renal, Retroperitoneal Tumors (March 20)
- Just Images: Interventional/Intraoperative (March 21)

Courses are indicated with a **SAMs**.

CONTINUING MEDICAL EDUCATION (CME) CREDIT INFORMATION

Course Objectives

On completion of this learning activity, participants should be able to:

- Demonstrate updated knowledge in basic science and instrumentation, cardiovascular ultrasound, contrast-enhanced ultrasound, dermatologic 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, point-of-care ultrasound, sonography, ultrasound in resource limited-areas, 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 and performance.

Accreditation Council for Graduate Medical Education (ACGME) Competencies

These courses are designed to meet 1 or more of the following ACGME competencies: interpersonal and communication skills, medical knowledge, patient care and procedural skills, practice-based learning and improvement, professionalism, and systems-based learning.

Disclosure Policy

As a provider accredited by the ACCME, the AIUM must ensure balance, independence, objectivity, and scientific rigor in its educational activities. Course directors, the planning committee, faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity so that the AIUM may identify and resolve any conflicts of interest prior to the activity.

Disclosures for This Activity

The faculty, committee members, community officers, AIUM leadership, and AIUM staff involved in planning this CME activity have completed a Disclosure of Financial Relationship. Individuals with disclosures are listed in the *Official Proceedings*. Disclosures are available for review on request.

Documenting CME Credits

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

Disclaimer

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

EDUCATIONAL OPPORTUNITIES

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.

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 is required.*

Just Images Sessions

View and discuss unique cases with the physicians who made the diagnoses.

Comprehensive Refresher Sessions

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

Special Interest Sessions

Choose from concurrent courses developed by community and interest group officers and presented by distinguished ultrasound professionals.

Hands-on Special Interest Sessions

Participate in sessions on musculoskeletal ultrasound, ultrasound-guided nerve blocks, carotid and transcranial Doppler ultrasound, elastography, how to do the biopsy, and pediatrics. The cost for these sessions is $50 each. Space is limited.

Film Panel Sessions

A group of expert panelists will evaluate new and challenging cases in ultrasound.

Scientific Sessions

Learn about the latest research in ultrasound. Topics include but are not limited to:

- Basic Science
- Breast Ultrasound
- Cardiovascular Ultrasound
- Clinical Tissue Characterization
- Contrast-Enhanced Ultrasound
- Elastography
- Emergency Ultrasound
- General and Abdominal Ultrasound
- Genitourinary Ultrasound
- Gynecologic Ultrasound
- High-Frequency Clinical and Preclinical Imaging
- Interventional-Intraoperative Ultrasound
- Musculoskeletal Ultrasound
- Obstetric Ultrasound
- Pediatric Ultrasound
- Point-of-Care Ultrasound
- Sonography Practice
- Therapeutic Ultrasound

E-Posters (Americas Hall II)

E-posters allow authors to present their research using a monitor and computer.

Accreditation Tutorial (Beekman)

Saturday March 19, 2016 4:00 pm–5:30 pm

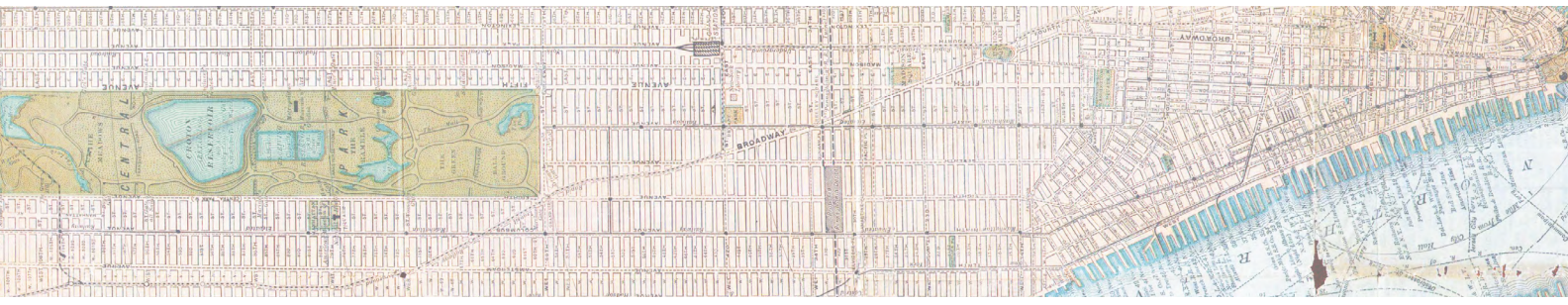
Learn how easy it is to complete the ultrasound practice accreditation process and get answers to the most commonly asked questions regarding accreditation. Learn about AIUM standards for examination protocols, personnel, quality assurance, record keeping, safety, and physical facilities. This workshop incorporates a hands-on session that shows the individual how to fill out the online application, upload images, and apply for accreditation.

Case-of-the-Day Challenges (Americas Hall II)

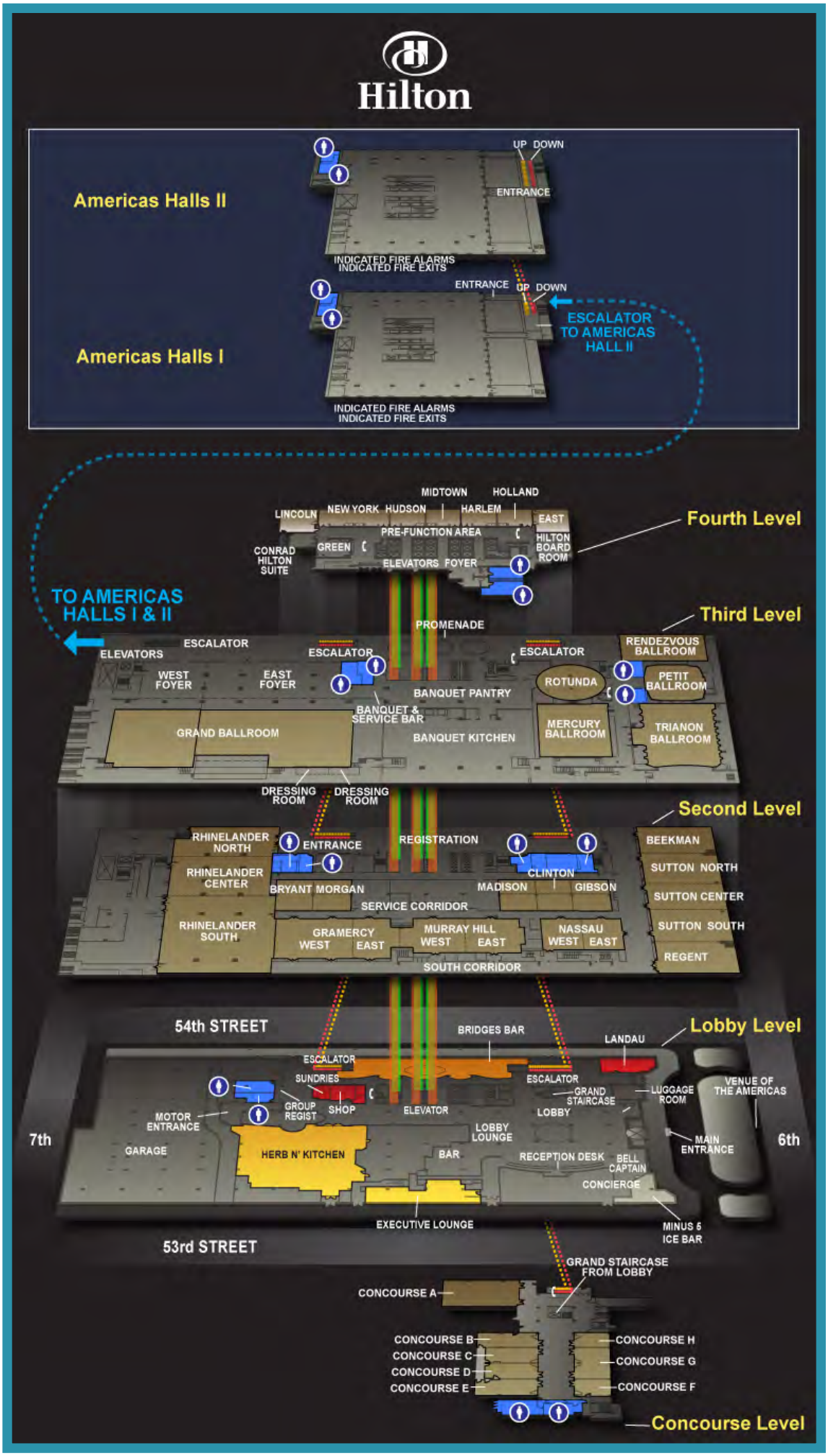
Test your abilities each day by diagnosing unique case studies.

Community and Interest Group Meetings

Meet with other ultrasound professionals who share your interests, plan future AIUM educational programs, and discuss the issues in your specialty. (See page 5 for schedule)



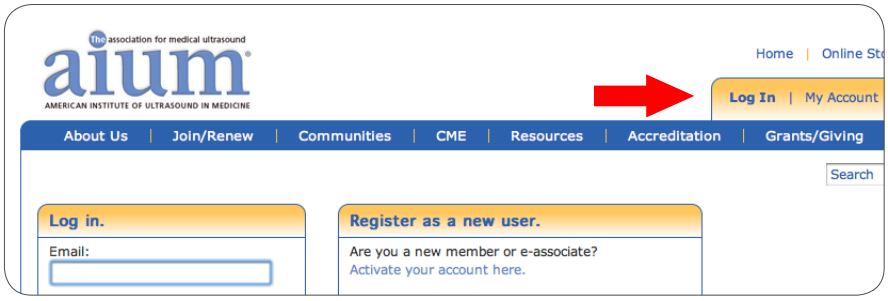
NEW YORK HILTON MIDTOWN FLOOR PLAN



TO PRINT YOUR CME CERTIFICATE FOR THE CONVENTION/PRECONVENTION PROGRAM:

Everything you need to register and print your AIUM Convention CME credits is accessible through "My Account" on the AIUM website.

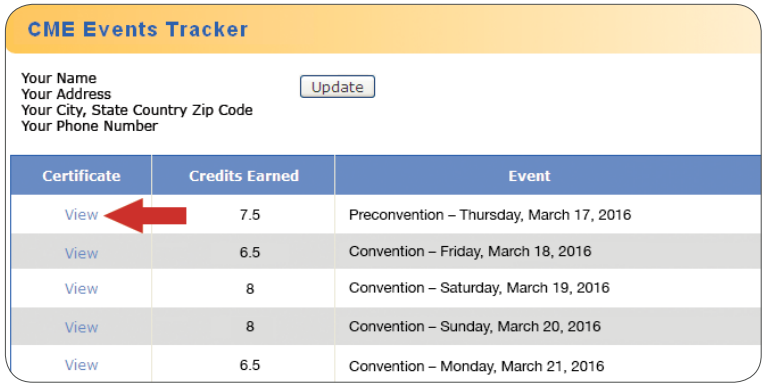
- Go to www.aium.org and click on the "My Account" link on the upper right side of the page.
- If you have already set up an account, just log in with your registered e-mail address and password.
- If you have not yet set up your account, click on "Activate your account here."



You will need your AIUM membership/ID number, which is located on your name badge. (If you registered on-site or do not know your AIUM membership/ID number, please e-mail ddelanko@aium.org.)

Once into your account:

- Go to the lower right area titled "My CME Tracker." Click on "All CMEs Earned at Conventions and/or Postgraduate Courses."
- Once there, follow the instructions to enter the number of CME credits you earned.
- Do not submit until you have entered all of your CME credits for the entire event.



Notes

If you register on-site, please wait at least 24 hours before claiming your CME credits. This will give the AIUM systems time to synchronize.

Enter your credits through a desktop computer. Mobile devices are not supported. You will be able to enter credits only for the days for which you are registered. The maximum number of credits for each day is:

Preconvention, Thursday, March 17, 2016, **7.5 credits**

Convention, Friday, March 18, 2016, **6.5 credits**

Convention, Saturday, March 19, 2016, **8 credits**

Convention, Sunday, March 20, 2016, **8 credits**

Convention, Monday, March 21, 2016, **6.5 credits**

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Thursday, March 17, 2016

7:00 AM	Team Registration and Check In Opens
8:00 AM–11:00 AM	**Round #1**—Hands-on scanning/Q&A stations
11:00 AM–1:00 PM	Lunch
1:00 PM–3:00 PM	**Round #2**—This round will include case-based scanning. Teams not advancing to this round will participate in additional training.
3:00 PM–4:00 PM	**Round #3**—Final scan off
4:00 PM–5:00 PM	Award Presentation

SonoSlam pits teams of medical school students from across the country against each other to see who rocks the transducer best. The winning team receives national glory and the envy of the other 140 U.S. medical schools.

Hosted by the AIUM and the National Ultrasound Interest Group (NUSIG), SonoSlam is designed to challenge, teach, and build ultrasound skills. The winning team will be presented with the Peter Arger Cup!

The association for medical ultrasound
aium
AMERICAN INSTITUTE OF ULTRASOUND IN MEDICINE

Thursday, March 17, 2016

Preconvention Program

Separate Registration Required

Day at a Glance

6:30 AM–5:00 PM	Registration Open
7:00 AM–7:30 AM	Preconvention Breakfast
7:30 AM–5:00 PM	Fetal imaging in Early Gestation: A Comprehensive Review
7:30 AM–11:30 AM	Comprehensive Review of Musculoskeletal Ultrasound of Joints: From Basic to Advanced Imaging
	Integrating, Evaluating, and Encouraging Ultrasound in Medical Education
	Pelvic Floor
8:00 AM–2:00 PM	Bioeffects Committee Meeting
12:30 PM–3:30 PM	Finance and Executive Committee Meeting
1:00 PM–5:00 PM	Multiple Gestations
	Pediatric Applications of Doppler Ultrasound
2:00 PM–6:00 PM	Technical Standards Committee Meeting
5:30 PM–7:00 PM	Presidential Reception for New Members and Leadership (by invitation only)
5:15 PM– 6:00 PM	Ultrasound in Medical Education Special Interest Group meeting

PRECONVENTION MARCH 17TH

THURSDAY

7:00 AM–7:30 AM

Preconvention Breakfast

7:30 AM–5:00 PM

Full-Day Course

Fetal Imaging in Early Gestation: A Comprehensive Review

Earn up to 7.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Grand Ballroom East

Moderators: Alfred Abuhamad, MD, Isabelle Wilkins, MD

Speakers: Alfred Abuhamad, MD, Bryann Bromley, MD, Mary Norton, MD, Elena Sinkovskaya, MD, PhD, RDMS, RDCS, Paul Speer, MD, Isabelle Wilkins, MD

This course will review the fetal anatomic systems that should be evaluated in the first trimester. Speakers will discuss what they consider the most important diagnoses within these systems from a clinical, medicolegal, or ultrasound perspective.

7:30 AM–11:30 AM

Morning Half-Day Courses

UGRA Comprehensive Review of Musculoskeletal Ultrasound of Joints: From Basic to Advanced Imaging

Earn up to 3.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Trianon

Moderators: Joseph Craig, MD, ChB, Humberto Rosas, MD

Speakers: Natalie Bureau, MD, FRCPC, MSc, Joseph Craig, MD, ChB, Girish Gandikota, MBBS, FRCS, FRCR, RMSK, Humberto Rosas, MD, Courtney Scher, DO, Colin Strickland, MD

On completion of this course, participants should gain a basic to advanced understanding of when and how to perform musculoskeletal ultrasound to evaluate the shoulder, elbow, wrist, hip, knee, ankle, and foot.

Integrating, Evaluating, and Encouraging Ultrasound in Medical Education

Earn up to 3.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Nassau

Moderators: David Bahner, MD, RDMS, John Pellerito, MD, Don DiSalvo, MD

This preconvention workshop will feature faculty, students, and panel discussions on how to integrate ultrasound into medical school programs and curriculum. Key topics include: competency, training, and getting students to become experts.

Pelvic Floor

Earn up to 3.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Grand Ballroom West

Moderator: Phyllis Glanc, MD

Speakers: Hans Peter Dietz, MD, PhD, FRANZCOG, DDU CU, Ilan Trisch-Timor, MD

The assessment of female urinary incontinence and pelvic organ prolapse has to date been limited to urodynamic testing and the clinical evaluation of surface anatomy. It is becoming increasingly clear that such an approach is insufficient. This is mainly due to the realization that pelvic floor trauma in labor is common, generally overlooked, and a major factor in the causation of pelvic organ prolapse. Modern imaging methods such as magnetic resonance imaging and 3-dimensional (3D) ultrasound have enabled us to diagnose such abnormalities reliably and accurately, most commonly in the form of an avulsion of the puborectalis muscle off its insertion on the os pubis. However, ultrasound has a number of other advantages in the assessment of pelvic organ prolapse, most notably in the differential diagnosis of posterior compartment prolapse, which can be due to at least 5 different conditions. Imaging also has great utility in the assessment of modern sling and mesh implants and in women with symptoms of obstructed defecation. Most recently, translabial 3D/4D ultrasound has become an alternative to endoanal ultrasound for the diagnosis of obstetric anal sphincter tears.

8:00 AM–2:00 PM

Bioeffects Committee Meeting

East

12:30 PM–3:30 PM

Finance and Executive Committee Meeting

Hilton Board Room

1:00 PM–5:00 PM

Afternoon Half-Day Courses

Multiple Gestations

Earn up to 3.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Grand Ballroom West

Moderators: Anthony Johnson, DO, Lynn Simpson, MD

Speakers: Christina Han, MD, Sonia Hassan, MD, Anthony Johnson, DO, Jena Miller, MD, Lynn Simpson, MD

This course will review the important aspects to evaluate in multiple gestations; the importance of chorionicity in the management of multiple gestations will be reviewed. Speakers will discuss what they consider the most important twin diagnoses and systems from a clinical, medicolegal, or ultrasound perspective.

Pediatric Applications of Doppler Ultrasound

Earn up to 3.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Trianon

Moderator: Leann Linam, MD

Faculty: Susan Back, MD, Leah Braswell, MD, Rob Goodman, MD, Leann Linam, MD, Mary Beth McCarville, MD, Karl Muchantef, MD

The objective of this course is to teach the basics of Doppler ultrasound and its applications in the pediatric population. The course will cover Doppler physics, transcranial Doppler ultrasound, neonatal head Doppler ultrasound, renal Doppler ultrasound (native and transplant), liver Doppler ultrasound (native and transplant), and Doppler ultrasound of vascular malformations.

2:00 PM–6:00 PM

Technical Standards Committee Meeting

East

5:30 PM–7:00 PM

Presidential Reception for New Members and Leadership

Urban Kitchen (Lobby Level)

(by invitation only)

5:15 PM– 6:00 PM

Ultrasound in Medical Education Interest Group Meeting

Concourse G

AIUM LEADERSHIP

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Friday, March 18, 2016

Day at a Glance

6:30 AM–4:30 PM	Convention Registration Open
8:00 AM–9:30 AM	Special Interest Sessions
9:45 AM–11:30 AM	Opening Plenary Session, Awards Session, and AIUM Business Meeting
11:30 AM–1:30 PM	Grand Opening Luncheon in the Exhibit Hall (Americas Hall I)
11:30 AM–4:00 PM	Exhibit Hall Open
11:30 AM–4:30 PM	E-Posters Open for Viewing
1:00 PM–2:00 PM	Curriculum Task Force Meeting
1:30 PM–2:30 PM	*Journal of Ultrasound in Medicine* Deputy and Subspecialty Editors Meeting
1:00 PM–3:00 PM	Special Interest Sessions
3:00 PM– 3:30 PM	Break in Exhibit Hall
3:30 PM–5:30 PM	Special Interest Sessions
	Hands-on Special Interest Session
5:30 PM–6:00 PM	Therapeutic Ultrasound Community Meeting

FRIDAY MARCH 18TH

8:00 AM–9:30 AM

Special Interest Sessions

Acute Cardiac Ultrasound Cases

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Trianon

Moderator: Anthony Dean, MD

Speakers: Michael Malin, MD, David Riley, MD, Turan Saul, MD

By the end of the session, participants will be able to: discuss the role of acute cardiac ultrasound in differentiating causes of shock, chest pain, shortness of breath, and other acute diseases; detail circumstances that make acute cardiac imaging more challenging and alternative techniques to optimize imaging; and discuss common and uncommon pathologies encountered in the acute care setting.

Controversies in Noninvasive Prenatal Testing

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Mercury

Moderator: Jacques Abramowicz, MD

On completion of this session, the participant should demonstrate an understanding of noninvasive prenatal testing (NIPT) technology and appropriate indications for NIPT use in clinical practice.

8:00 AM–8:30 AM

The New Genetics

Jacques Abramowicz, MD

8:30 AM–9:00 AM

Ultrasound Is Dead: NIPT Can Do It All

Lawrence Platt, MD

9:00 AM–9:30 AM

You Still Need Ultrasound in 2016

Steven Warsof, MD

Deep Endometriosis

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Grand Ballroom West

Moderator: James Shwayder, MD, JD

The objectives of this session are to demonstrate the sonographic appearance of pelvic endometriosis involving lesions in the bowel wall, pouch of Douglas, bladder wall, rectovaginal septum, etc; and to demonstrate the benefit of ultrasound over other forms of imaging for detecting endometriosis in patients presenting with pelvic pain. Even when the uterus and ovaries are normal, the patient may still have extensive and symptomatic endometriosis, which is detectable accurately sonographically.

8:00 AM–8:30 AM

Endometriosis: An Overview

Beryl Benacerraf, MD

8:30 AM–9:00 AM

Correlation of Ultrasonographic Findings and Laparoscopic Findings With Advanced-Stage Endometriosis

James Shwayder, MD, JD

9:00 AM–9:30 AM

New Techniques in the Diagnosis of Deep Infiltrating Endometriosis

Stefano Guerriero, MD

UGRA Hands-on Shoulder Ultrasound (Sold out)

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Rendezvous Trianon

Moderators: Mary Chiavaras, MD, PhD, FRCP, Corrie Yablon, MD

Faculty: Nathalie Bureau, MD, FRCPC, MSc, Mary Chiavaras, MD, PhD, FRCP, Cristy Gustas, MD, Jon Jacobson, MD, Nicholas Nacey, MD, Daniel Nissman, MD, MPH, MSEE, Jennifer Pierce, RDMS, Courtney Scher, DO, Colin Strickland, MD, Corrie Yablon, MD

At the completion of this session, participants will have gained hands-on experience in performing a systematic ultrasound examination of the shoulder.

How to Approach the Transplant Recipient

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Moderator: Edward Bluth, MD

Beekman

8:00 AM–8:30 AM

Ultrasound Evaluation of the Renal Transplant Recipient

Shelia Sheth, MD

8:30 AM–9:00 AM

Ultrasound Evaluation of the Liver and Pancreas Transplant Recipients

Edward Bluth, MD

9:00 AM–9:30 AM

Liver

Jason Pietryga, MD

Research in Elastography

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton Center

Moderator: Richard Barr, MD, PhD

Learn about the latest research in elastography. This session will update the learner on the latest research and developments regarding compression strain and shear wave elastography.

8:00 AM–8:30 AM

Basic Science

Mark Palmeri, MD, PhD

8:30 AM–9:00 AM

Liver

Giovanna Ferraioli, MD

9:00 AM–9:30 AM

Breast

Richard Barr, MD, PhD

Ultrasound Evaluation of the Abdominal Wall and Associated Structures

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton South

Moderator: Nirvi Dahiya, MD

The objective of this session is to describe the normal and abnormal sonographic appearances of the abdominal wall and to focus on describing palpable abdominal masses, defects, hernias, and soft tissue infections.

8:00 AM–8:20 AM

Abdominal Wall: Lumps and Bumps in the Wall

Nirvi Dahiya, MD

8:20 AM–8:40 AM

Hole in the Abdominal Wall: Overview of Hernias

Cynthia Rapp, RDMS

8:40 AM–9:00 AM

Soft Tissue Infections, Including Post–Hernia Repair Evaluation

Michael Williamson, MD

9:00 AM–9:20 AM

Under the Wall: Peritoneum, Omentum, and Other Stuff

Ravi Kadasne, MD

What Went Wrong? All You Need to Know About Fetal Cardiac Embryology, Anatomy, and Pathology

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton North

Moderator: Anita Moon Grady, MD

This session will combine the knowledge of the clinician sonographer and the anatomic pathologist in a comprehensive review of the embryology, anatomy, physiology, and ultrasound appearance of ventricular septal defects, looping and laterality disorders, and selected conotruncal lesions. Included will be discussions of counseling and implications of ultrasound findings for perinatal management.

8:00 AM–8:15 AM

All You Need to Know About Ventricular Septal Defects: Embryology, Anatomy, and Echocardiography

Norman Silverman, MD, MSc

8:15 AM–8:30 AM

All You Need to Know About Ventricular Septal Defects: Pathology

Norman Silverman, MD, MSc

8:30 AM–8:45 AM

All You Need to Know About Situs and Looping Disorders: Embryology, Anatomy, and Echocardiography

Helena Gardiner, MD, PhD, FRCP, FRCPCH

8:45 AM–9:00 AM

All You Need to Know About Situs and Looping Disorders: Pathology

Norman Silverman, MD, MSc

9:00 AM–9:15 AM

All You Need to Know About Double-Outlet Right Ventricles Versus Tetralogy of Fallot and Transposition of the Great Arteries: Embryology, Anatomy, and Echocardiography

Lisa Hornberger, MD

9:15 AM–9:30 AM

All You Need to Know About Double-Outlet Right Ventricles Versus Tetralogy of Fallot and Transposition of the Great Arteries: Pathology

Norman Silverman, MD, MSc

FRIDAY MARCH 18TH

FRIDAY

9:45 AM–11:30 AM

Opening Plenary Session, Awards Session, and AIUM Business Meeting

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or AART Category A Credit.

Grand Ballroom East

Welcome

Beryl Benacerraf, MD

William J. Fry Memorial Lecture Award

Tips and Tricks of Successful Ultrasound Studies

Dirk Timmerman, MD, PhD, FRCOG

This lecture will cover lessons learned from 20 years of clinical research in gynecological ultrasound ranging from assessment of ovarian tumors and uterine pathology to complications in early pregnancy.

Plenary Session

Global Maternal Health: Ultrasound and Access to Care

Alfred Abuhamad, MD

Joseph H. Holmes Pioneer Award

Clinical Awardee – *Alfred Abuhamad, MD*

Basic Science Awardee – *Michael Kolios, PhD*

Peter H. Arger, MD, Excellence in Medical Student Education Award

Awardee – J. Christian Fox, MD, RDMS

Distinguished Sonographer Award

Awardee – *Daniel A. Merton, BS, RDMS*

Honorary Fellow Award

Aris Papageorghiou, MD, FRCOG

Paul Sidhu, BSc, MBBS, MRCP, FRCR

Memorial Recognition

Carol Mittelstaedt, MD

Anna Lev-Toaff, MD

AIUM Business Meeting and Opening Remarks

11:15 AM–11:30 AM

State-of-the AIUM

Beryl Benacerraf, MD

11:30 AM

Opening Luncheon in the Exhibit Hall

(Americas Hall I)

1:00 PM–2:00 PM

Curriculum Task Force Meeting

Holland

1:30 PM–2:30 PM

Journal of Ultrasound in Medicine Deputy and Subspecialty Editors Meeting

East

1:00 PM–3:00 PM

Special Interest Sessions

Breast Imaging

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton South

Moderator: Susan Ackerman, MD

At the conclusion of this session, participants should be able to: (1) describe emerging breast imaging technologies; (2) discuss the role of screening; (3) analyze case presentations during an unknown/challenging case session and describe findings; and (4) evaluate a multidisciplinary approach to breast care.

1:00 PM–1:10 PM
Introduction

1:10 PM–1:30 PM
Tomosynthesis
Nitin Tanna, MD

1:30 PM–1:50 PM
Just Images
Susan Ackerman, MD

1:50 PM–2:10 PM
Screening Breast Ultrasound
Stamatia Destounis, MD

2:10 PM–2:30 PM
Multidisciplinary Approach
Madeline Lewis, MD

2:30 PM–2:50 PM
Just Images
Abid Irshad, MBBS

2:50 PM–3:00 PM
Question and Answer

Elastography: Hands On

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Rendezvous Trianon

Moderator: Richard Barr, MD, PhD

Faculty: Giovanna Ferraioli, MD, Carlo Filice, MD

Provide the ultrasound imaging community the opportunity to scan with compression strain and shear wave elastography on a variety of imaging systems. This session also allows users to get expert advice as well.

Estimation of In Situ Acoustic Output Levels

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Concourse A

Moderators: Kathy Nightingale, PhD, Thomas Szabo, PhD

The objective of this session is to provide a review of state-of-the-art approaches to characterizing acoustic output in situ. These methods are evolving, and many are simulation based. The session will discuss the problem with current derating approaches, review challenges with previously developed methods for addressing the problem, and present state-of-the-art approaches and software tools that have been developed for use by the general research community.

1:00 PM–1:10 PM
Introduction

1:10 PM–1:30 PM
Estimation of In Situ Acoustic Output: History and Future Directions
Thomas Szabo, PhD

1:30 PM–1:50 PM
Quantification of Nonlinear Fields: Challenges of Direct Measurement Versus Linear Extrapolation
Sam Howard, PhD

1:50 PM–2:10 PM
Estimation of In Situ Medical Ultrasound Fields Based on Measurements in Water and Nonlinear Simulations
Michael Bailey, PhD

2:10 PM–2:30 PM
Measurement and Modeling of Nonlinear Beam Distortion in Heterogeneous Media Using the Open Source K-Wave Toolbox
Elly Martin, PhD

2:30 PM–2:50 PM
Simulations of Nonlinear Ultrasound Propagation in the Human Body
Gianmarco Pinton, PhD

2:50 PM–3:00 PM
Question and Answer

FRIDAY MARCH 18TH

Institutional Point-of-Care Ultrasound

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Trianon

Moderator: Philip Levy, MD

After this session, participants should be able to discuss how to establish relationships within a hospital institution to foster the growth of point-of-care ultrasound. The session will focus on establishing transparency, enhancement of interdepartmental oversight, and general work flow concepts and training that use middleware software and technology. The evolution of point-of-care ultrasound is changing the landscape of ultrasound application and greatly expanding the clinical specialties using ultrasound. This session will discuss the range of penetration ultrasound can have in a hospital institution and the specific challenges posed and solutions to the increasing demands for point-of-care ultrasound

1:00 PM–1:30 PM

The Institutional Migration of Point-of-Care Ultrasound From a Diagnostic Modality to a Clinical Evaluation Instrument

Harvey Nisenbaum, MD

1:30 PM–2:00 PM

Developing a Successful Business Plan to Grow Point-of-Care Ultrasound

Gerardo Chiricolo, MD

2:00 PM–2:30 PM

Evolution of Work Flow From VHS to the Cloud: Middle Software Technology

Rajesh Geria, MD

2:30 PM–3:00 PM

Creating Transparency Within the Institution: Research and Collaboration

Resa Lewiss, MD

Novel Gynecologic and Early Pregnancy Ultrasound-Guided Procedures

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Grand Ballroom West

Moderator: Joaquin Santolaya, MD, PhD

The session will provide a comprehensive overview of the management and treatment of pathologies occurring in the female pelvis and pregnant patients, including up-and-coming cell-based therapy.

1:00 PM–1:30 PM

Making Sense of Coagulation Parameters: Treating the Lab Versus the Patient

Corinne Deurdulian, MD

1:30 PM–2:00 PM

Novel Ultrasound-Guided Management of Uterine Arteriovenous Malformations, Adnexal Masses, and Pelvic Abscesses

Nami Azar, MD

2:00 PM–2:30 PM

Sonographic Evaluation of the Normal Gestational Sac Compartments and the Potential Ultrasound-Guided Cell-Based Therapies Before 10 Weeks' Gestation

Joaquin Santolaya, MD, PhD

2:30 PM–3:00 PM

Diagnostic and Treatment Challenges of Cornual and Scar Pregnancies

Ilan Timor-Tritsch, MD

Obstetric Film Panel: Interesting Prenatal Cases With Neonatal Follow-up

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Grand Ballroom East

Moderator: Janice Byrne, MD

Faculty: Janice Byrne, MD, Timothy Canavan, MD, Joan Mastrobattista, MD, Mary O'Day, MD, Thomas Shipp, MD

The objectives of this session are to: (1) evaluate new and challenging obstetric cases in ultrasound; (2) elicit an audience response for diagnosis; (3) discuss differential diagnosis and management of challenging cases; and (4) describe the use of magnetic resonance imaging as an adjunct to ultrasound in managing difficult fetal cases.

Prognosis and Follow-up After Early Diagnosis of Fetal Cardiac Abnormalities

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton North

Moderator: Liat Gindes, MD

This session is anticipated to educate physicians and those who counsel patients about what indications to refer for early cardiac assessment and how to appropriately counsel and manage patients with both normal and abnormal results. Cardiologists with special expertise in early fetal echocardiography will provide perspective, balanced by obstetric imaging–focused experts, to provide a balanced view of the topics.

1:00 PM–1:40 PM
Comprehensive First-Trimester Cardiac Assessment
Reem Abu Rustum, MD

1:40 pm–2:20 pm
Potential and Pitfalls of Early Cardiac Assessment
Lisa Hornberger, MD

2:20 PM–2:40 PM
Prediction of Prognosis: Limitations of Early Diagnosis and Problems That May Be Associated With Diagnoses in the First Trimester
Anita Moon-Grady, MD

2:40 PM–3:00 PM
Prediction of Prognosis: Limitations of Early Diagnosis and Problems That May Be Associated With Diagnoses in the First Trimester
Lynn Simpson, BSc, MSc, MD

Vascular Jeopardy

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Beekman

Moderator: Leslie Scoutt, MD

Faculty: George Berdejo, BA, RVT, Susan Smith, MD, Sharlene Teefey, MD

This session is designed to invite audience participation from all levels in a game format and to present vascular cases at different levels of difficulty.

3:30 PM–4:30 PM

Special Interest Session

Carotid Ultrasound: The Good, the Bad, and the Ugly

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Beekman

Moderator: George Berdejo, BA, RVT

The objective of this session is to review pitfalls in performance and interpretation as well as waveform analysis and interpretation of complex cases in a film panel format.

3:30 PM–4:00 PM
Carotid Ultrasound: The Good, the Bad, and the Ugly
John Pellerito, MD

4:00 PM–4:30 PM
Cerebrovascular Ultrasound: Pearls and Pitfalls
George Berdejo, BA, RVT

3:30 PM–5:30 PM

Special Interest Sessions

Common Congenital Heart Anomalies: Prenatal, Postnatal, and Pathologic Correlations

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Sutton North

Moderators: Alfred Abuhamad, MD, Karen McCarthy, PhD

This session will cover all aspects of anatomy, ultrasound diagnosis, and postnatal management of the 3 most clinically significant congenital heart defects, including D-transposition of the great arteries, tetralogy of Fallot, and hypoplastic left heart syndrome.

3:30 PM–4:10 PM
Tetralogy of Fallot
Elena Sinkovskaya, MD, PhD, RDMS, RDCS

4:10 PM–4:50 PM
Aortic Coarctation
Mary Donofrio, MD

4:50 PM–5:30 PM
Transposition of the Great Arteries
Jack Rychik, MD

Elastographic Imaging Application and Uses: Part 1

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Sutton Center

Moderator: Richard Barr, MD, PhD

This session will provide an update on state-of-the-art elastography. The emphasis will be on techniques already shown to be of clinical value.

3:30 PM–3:40 PM
Introduction

3:40 PM–4:15 PM
Liver Elastography Update
Giovanna Ferraioli, MD

4:15 PM–4:50 PM
The Opportunities
David Cosgrove, MD

4:50 PM–5:30 PM
Breast Elastography
Richard Barr, MD, PhD

FRIDAY MARCH 18TH

Evaluation and Follow-up of the Chronic Kidney Disease Patient With a Renal Mass

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Sutton South

Moderator: Wui Chong, MD

This session will be multidisciplinary. At the conclusion of the session, participants will be able to discuss the clinical problem of imaging in renal failure, describe the role of conventional grayscale ultrasound (US) in evaluation of renal masses, evaluate the use of contrast-enhanced US for characterization of renal masses, and discuss the performance of US-guided renal biopsies.

3:30 PM–4:00 PM
The Clinical Problem of Imaging in Renal Failure
Emily Chang, MD

4:00 PM–4:30 PM
Conventional Grayscale Ultrasound of Renal Masses
Wui Chong, MD

4:30 PM–5:00 PM
Contrast-Enhanced Ultrasound of Renal Masses
Michelle Robbin, MD, MS

5:00 PM–5:30 PM
Ultrasound-Guided Renal Biopsies
Hanh Nghiem, MD

Evaluation of the Cervix in Pregnancy

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Grand Ballroom East

Moderator: Anthony Odibo, MD

On completion of this session, participants should be able to describe the evaluation of the cervix in pregnancy and management of abnormal findings.

3:30 PM–4:05 PM
Short Cervical Length and Intra-Amniotic Infection
Sarah Obican, MD

4:05 PM–4:40 PM
Short Cervix in Twins and Higher-Order Multiples
Ashley Roman, MD, MPH

4:40 PM–5:15 PM
Current Position on Universal Screening for Short Cervix
Anthony Odibo, MD

2:50 PM–3:00 PM
Question and Answer

Hands-on Fetal Cardiac Sonography: Basic and Advanced (Sold out)

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Rendezvous Trianon

Moderators: Tracy Anton, RDMS, Joan Mastrobattista, MD, Julia Solomon, MD, Lami Yeo, MD

Faculty: Tracy Anton, RDMS, Kathleen Bradley, MD, Jude Crino, MD, Helena Gardiner, MD, Liat Gindes, MD, Wesley Lee, MD, Christopher Lindblade, MD, Veronica Martinez, RDMS, Anne-Maude Morency, MD, Lynn Murphy-Kaulbeck, MD, Gary Satou, MD

Guidelines for imaging of the fetal heart have changed in the last several years. In addition to the change in AIUM obstetric imaging guidelines, which now mandate the visualization of both cardiac outflow tracts, there have also been corresponding changes to the requirements for the detailed obstetric exam (76811). It is now required to provide diagnostic images of the systemic venous return, aortic arch, and 3-vessel and trachea view. This session is designed to provide hands-on practical training to help attendees meet these requirements. There will be 16 tables: 8 dedicated to improving technique for acquisition of basic cardiac views and 8 dedicated to more detailed assessment, as well as fetal echocardiographic skills. Attendees will have the opportunity, in conjunction with faculty, to learn these skills on second- and third-trimester pregnant models.

Just Images: Urogynecology and Pelvic Floor

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Grand Ballroom West

Moderator: Phyllis Glanc, MD

Faculty: Hans Peter Dietz, MD, PhD, FRANZCOG DDU CU

This session will review images of urogynecologic complications with mesh placement and the posterior compartment.

UGRA Musculoskeletal Ultrasound of Sports Injuries and Hernias

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Regent

Moderator: Nathalie Bureau, MD, FRCPC, MSc

On completion of this session, participants will know how to use ultrasound to investigate high hamstring injuries, lower abdominal hernias, and the posttraumatic leg.

3:30 PM–4:10 PM
The Art of Diagnosing Hernias on Ultrasound
Girish Gandikota, MBBS, FRCS, FRCR, RMSK

4:10 PM–4:50 PM
Ultrasound of Posttraumatic Leg Pain
Nicholas Nacey, MD

4:50 PM–5:30 PM
Ultrasound of High Hamstring Injuries
Johan Michaud, MD

Point-of-Care Ultrasound Assessment of Acute Bowel Pathology

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Trianon

Moderator: Eitan Dickman, MD

This session will address the role of ultrasonography when caring for patients with acute abdominal pain. On completion of this course, participants should be able to describe the ultrasonographic appearance of colitis, diverticulitis, inflammatory bowel disease, pneumoperitoneum, and mesenteric ischemia, as well as confirm the proper placement of a nasogastric tube.

3:30 PM–4:00 PM
Sonographic Evaluation of Abdominal Pain: Focus on Mesenteric Ischemia and Diverticulitis
John Pellerito, MD

4:00 PM–4:30 PM
Case-Based Approach to Sonographic Bowel Assessment
Gerardo Chiricolo, MD

4:30 PM–5:00 PM
In the Pipeline: Novel Gastrointestinal Ultrasound Applications
Mark Tessaro, MD

5:00 PM–5:30 PM
Sonographic Diagnosis of Acute Abdominal Pain
Eitan Dickman, MD

Therapeutic Ultrasound

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Concourse A

Moderator: Timothy Bigelow, MD

This session will cover: (1) oncologic applications of therapeutic ultrasound; (2) sonothrombolysis; and (3) vascular applications of therapeutic ultrasound: neuromodulation/stimulation.

3:30 PM–4:00 PM
Vascular Applications of Therapeutic Ultrasound: Sonothrombolysis
Andrei Alexandrov, MD, RVT

4:00 PM–4:30 PM
Oncologic Applications of Histotripsy
Jim Bertolina, PhD

4:30 PM–5:00 PM
Therapeutic Ultrasound on Neuromodulation/Stimulation
Randy King , PhD

5:00 PM–5:30 PM
Challenges and Promises of Neuromodulation
Robert Muratore, PhD

4:30 PM–5:30 PM

Special Interest Session

Advanced Carotid Ultrasound

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Beekman

Moderator: Leslie Scoutt, MD

This session will describe complex ultrasound examinations of the carotid arteries, with technical pitfalls and uncommon pathology.

4:30 PM–5:00 PM
Advanced Carotid Disease
Eugene Zierler, MD

5:00 PM–5:30 PM
Nonatherosclerotic Carotid Pathology
Leslie Scoutt, MD

5:30 PM–6:00 PM

Therapeutic Ultrasound Community Meeting

Concourse A

aium NYC MARCH 17-21 2016

AIUM Resource Center

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Browse and preview the many educational products that the AIUM has to offer.

Saturday, March 19, 2016

Day at a Glance

6:30 AM–4:30 PM	Convention Registration Open
7:00 AM–8:00 AM	Just Images and Comprehensive Refresher Sessions
	Journal of Ultrasound in Medicine Editorial Board Meeting
8:15 AM–10:15 AM	Special Interest Sessions
	Hands-on Special Interest Session
9:00 AM–10:00 AM	Membership Committee Meeting
9:30 AM–4:00 PM	Exhibit Hall Open
	E-Posters Open for Viewing
10:15 AM–11:00 AM	Cardiovascular Ultrasound Community Meeting
	Elastography Community Meeting
	Neurosonology Community Meeting
11:00 AM–12:30 PM	General and Abdominal Ultrasound Community Meeting
	Special Interest Sessions
11:00 AM–12:00 PM	Musculoskeletal Ultrasound Community Meeting
12:30 PM–1:30 PM	Scientific Sessions
	Contrast-Enhanced Ultrasound Community Meeting
	Gynecologic Ultrasound Community Meeting
12:30 PM–1:30 PM	Lunch in the Exhibit Hall (Americas Hall II)
12:30 PM–1:30 PM	Clinical Standards Committee Meeting
	Presidential Advisory Committee Meeting
1:30 PM–3:30 PM	Special Interest Sessions
	Hands-on Special Interest Session
	Ultrasound Practice Accreditation Council Meeting
2:30 PM–3:00 PM	Pediatric Ultrasound Community Meeting
3:00 PM–4:00 PM	Interventional-Intraoperative Ultrasound Community Meeting
4:00 PM–5:30 PM	Special Interest Sessions
	Hands-on Special Interest Session
	Scientific Sessions
	Ultrasound in Global Health Interest Group Meeting
	Accreditation Tutorial
5:30 PM–6:00 PM	Sonography Community Meeting
6:00 PM–7:00 PM	Sonographer Networking Reception (by invitation only)

SATURDAY MARCH 19TH

7:00 AM–8:00 AM

Special Interest Sessions

Acute Care in Gynecology

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Grand Ballroom West

Moderator: Leslie Scoutt, MD

This session will review common etiologies of acute pelvic pain and gynecologic causes of acute pelvic pain in the nonpregnant patient.

7:00 AM–7:25 AM
Adnexal Torsion
Arthur Fleischer, MD

7:25 AM–7:50 AM
Nontorsion Etiologies of Acute Pelvic Pain
Sheila Sheth, MD

Clinical Applications of Contrast-Enhanced Ultrasound: Case-Based Approach

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Concourse A

Moderator: Michelle Robbin, MD, MS

On completion of this session, participants will understand : (1) how contrast can be used off-label today; and (2) how contrast-enhanced ultrasound can be integrated into daily practice as a problem-solving tool in abdominal imaging.

7:00 AM–7:30 AM
Renal Contrast-Enhanced Ultrasound Cases
Jessica Zarzour, MD

7:30 AM–8:00 AM
Contrast-Enhanced Ultrasound Cases: All the Rest
Wui Chong , MD

Just Images: Breast Elastography

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Sutton Center

Moderator: Richard Barr, MD, PhD

Faculty: Stamatia Destounis, MD

This session will showcase breast-imaging cases, highlighting how elastography makes a difference in supporting the overall Breast Imaging Reporting ad Data System. The learner will see a variety of cases showing both compression strain and shear wave elastography and how the use of elastography is contributing to the overall interpretation.

Interesting Cases in Acute Care

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Trianon

Moderator: Charlotte Henningsen, MS, RT, RDMS, RVT

This session is designed for physicians and sonographers who are involved with caring for patients who are acutely ill. On completion of this session, participants should be able to describe the role of ultrasonography in identifying pathologic conditions that require emergent intervention. Case-based presentations will also be used to illustrate which other imaging modalities may be used when evaluating these types of patients.

7:00 AM–7:30 AM
Interesting Cases: A View From the Emergency Department
Charlotte Henningsen, MS, RT, RDMS, RVT

7:30 AM–8:00 AM
Ultrasound in the Emergency Department: Using Ultrasound First
Refky Nicola, DO, MS

Just Images: Vascular Emergencies

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Beekman

Moderator: Gowthanam Gunabushanam, MD

The objective of this session is to describe the role of ultrasound in assessing patients presenting with vascular emergencies

7:00 AM–7:30 AM
Vascular Emergencies in the Abdomen
Margarita Revzin, MD

7:30 AM–8:00 AM
Vascular Emergencies in the Peripheral Arteries and Veins
Gowthanam Gunabushanam, MD

Learning From Our Mistakes: Where We Got Fooled

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Grand Ballroom East

Moderator: Alfred Abuhamad, MD

On completion of this session, participants should be able to describe some of the pitfalls encountered in the evaluation of fetal anomalies.

7:00 AM–7:20 AM

Cyst in the Posterior Fossa: Not Always a Dandy-Walker Malformation

Elena Sinkovskaya, MD, PhD, RDMS, RDCS

7:20 AM–7:40 AM

Anomalous Pulmonary Venous Return: Factors That Lead to a Correct or Missed Diagnosis

Anita Moon-Grady, MD

7:40 AM–8:00 AM

Transposition of the Great Arteries: Why This Diagnosis Is Frequently Missed

Alfred Abuhamad, MD

Normal Fetal Heart Examination: Chambers, Arteries, and Veins

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Sutton North

Moderator: Joshua Copel, MD

The objective of this session is to review the cardiovascular anatomy that should be assessed during routine assessment of the fetal heart.

7:00 AM–7:20 AM

Detailed 4-Chamber View Examination

Reem Abu Rustum, MD

7:20 AM–7:40 AM

Outflow Tracts and Arches

Luís Gonçalves, MD

7:40 AM–8:00 AM

Systemic and Pulmonary Veins

Tracy Anton, BS, RDMS, RDCS

Prenatal Ultrasound Abnormalities of the Chest, Abdomen, and Pelvis With Postnatal Correlation

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Sutton South

Moderator: Mariana Meyers, MD

Prenatal ultrasound is the main screening and diagnostic modality for many fetal anomalies. Correlation of prenatally detected abnormalities with postnatal studies is not always available in many centers. Here we will review the ultrasound features of the most common fetal thoracic, abdominal, and pelvic abnormalities and their postnatal imaging appearances.

7:00 AM–7:20 AM

Prenatal Ultrasound Abnormalities of the Chest With Postnatal Correlation

Amy Mehollin-Ray, MD

7:20 AM–7:40 AM

Prenatal Ultrasound Abnormalities of the Abdomen With Postnatal Correlation

Kimberly Dannull, MD

7:40 AM–8:00 AM

Prenatal Ultrasound Abnormalities of the Pelvis With Postnatal Correlation

Carol Barnewolt, MD

7:00 AM–8:00 AM

Journal of Ultrasound in Medicine Editorial Board Meeting

Mercury

SATURDAY MARCH 19TH

8:15 AM–10:15 AM

Special Interest Sessions

SAMs Breast Lumps in Teenagers: The "Black Hole" of Pediatric Radiologists

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits, and SAMs Credits

Nassau

Moderator: Mariana Meyers, MD

Faculty: Regina Hooley, MD, FSBI, Brigid Killelea, MD

Have you ever been asked to read a breast ultrasound in a teenager for a "lump" and panicked? If you have, then come join us while we review benign and malignant breast "lumps" in teenagers by ultrasound. This session will review the most common benign and malignant breast lesions in the teenage population and how to identify them by ultrasound.

Can Fetal Echocardiography Predict the Future? (Progression of Pathology Through Gestation)

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Sutton North

Moderator: Jack Rychik, MD

Fetal cardiac lesions, though usually present early in gestation, may continue to evolve through gestation; there may be development or progression of the ventricular inflow or outflow tract and arch obstruction, and cardiac tumors may develop, grow, or regress. Knowledge of the mechanisms of and potential for progression in fetal heart disease is critical for counseling regarding prognosis and for planning of prenatal and neonatal evaluation and management.

8:15 AM–8:45 AM
Cardiac Tumors
Shab Peyvandi, MD

8:45 AM–9:15 AM
Right Ventricular Outflow Tract Obstruction
Helena Gardiner, MD, PhD, FRCP, FRCPCH

9:15 AM–9:45 AM
Asymmetric Ventricles
Jack Rychik, MD

9:45 AM–10:15 AM
Aortic Stenosis and Hypoplastic Left Heart Syndrome
Wayne Tworetzky, MD

Clinical Applications of Ultrasound Contrast: Part 1

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Concourse G

Moderator: Michelle Robbin, MD, MS

On completion of this session, participants will understand: (1) how contrast-enhanced ultrasound (CEUS) can be used off-label; (2) how CEUS can be integrated into daily practice; and (3) when to use US contrast as a problem-solving tool.

8:15 AM–8:35 AM
How to Integrate Contrast-Enhanced Ultrasound Into Clinical Practice
Michelle Robbin, MD, MS

8:35 AM–8:55 AM
Role of Contrast-Enhanced Ultrasound Radiation Reduction
Paul Sidhu, BsC, MBBS, MRCP, FRCR

8:55 AM–9:15 AM
Technique and Instrumentation: A Sonographer Perspective
Maria Stanczak, MS, RDMS, RVT, RT(M)

9:15 AM–9:35 AM
Contrast-Enhanced Ultrasound of Liver Masses
Stephanie Wilson, MD, MS

9:35 AM–9:55 AM
Contrast-Enhanced Ultrasound Evaluation of Genitourinary/Renal Masses
Richard Barr, MD, PhD

9:55 AM–10:15 AM
Contrast-Enhanced Ultrasound of Small Parts
David Cosgrove, MA, MSc, FRCP, FRCR

Compressional Sound Speed Imaging

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Concourse A

Moderators: Paul Carson, PhD, Michael Oelze, PhD

The objectives of this session are to: (1) meet the anticipated need for information on speed of sound (SOS) imaging as it is being tested in the transmission mode for Food and Drug Administration approval and being considered for use in commercial pulse echo systems; (2) explain the spatial frequencies and the variability and bias expected in transmission and reflection mode imaging and in their combinations as a function of available apertures; (3) explain the expected hardware and computational burdens; and (4) relay the state of the art in SOS imaging.

8:15 AM–8:25 AM
Introduction

8:25 AM–8:50 AM
Imaging Speed of Sound Using Pulse Echo
Michael Jaeger, PhD

8:50 AM–9:15 AM
Nonlinear Inverse Scattering and Imaging: Chance for a More Active Role
Michael Gelze, PhD

9:15 AM–9:40 AM
Three-Dimensional Full-Wave Nonlinear Inverse Scattering: Applications to High-Resolution Breast Imaging and Quantitative Results
Jim Wiskin, PhD

9:40 AM–10:05 AM
Breast Sound Speed Imaging: From Ray Tomography to Waveform Tomography
Cuiping Li, PhD

10:05 AM–10:15 AM
Questions and Answers

Hands-on Evaluation of Chronic Venous Insufficiency

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Rendezvous Trianon

Moderator: George Berdejo, RVT

Faculty: George Berdejo, RVT, John Blebea, MD, Joshua Cruz, MD, Roy Fujitani, MD, Gowthanam Gunabushanam, MD, Jeffrey Indes, MD, Margarita Revzin, MD, Susan Smith, MD, Eugene Zierler, MD, RVHT

At the completion of this activity, participants will be able to perform a directed physical examination of the patient with chronic venous insufficiency (CVI) and understand and predict the common patterns of venous reflux, outline the anatomy and learn the recent new terminology of the superficial and deep venous system of the pelvis and lower extremities, and perform a detailed and relevant preoperative ultrasound evaluation in the patient with CVI.

8:15 AM–8:45 AM
Mapping of Venous Insufficiency
Joshua Cruz, RDMS, RVT

Medicolegal Issues in Obstetric Ultrasound

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Grand Ballroom East

Moderator: James Shwayder, MD, JD

The objectives of this session are to: (1) evaluate challenging obstetric cases in each trimester and the associated medicolegal aspects; and (2) discuss appropriate documentation and follow-up of challenging fetal cases.

8:15 AM–8:45 AM
Liability in Early Pregnancy
James Shwayder, MD, JD

8:45 AM–9:15 AM
Liability in the Second and Third Trimesters
Steven Warsof, MD

UGRA Musculoskeletal Elastography

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Regent

Moderators: Amy Lex, RT, RDMS, Nathalie Bureau, MD, FRCPC, MSc

This session will address the current role of elastography in the characterization of musculoskeletal disorders.

8:15 AM–8:55 AM
Techniques and Challenges of Musculoskeletal Elastography
Amy Lex, RT, RDMS

SATURDAY MARCH 19TH

8:55 AM–9:35 AM
Review of the Literature
Cristy Gustas, MD

9:35 AM–10:15 AM
Current Applications and Future Trends
Jennifer Pierce, RDMS

Neonatal Head Sonography

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Sutton South

Moderator: Beth Kline-Fath, MD

The objective of this session is to review normal neonatal head sonography and then compare it to congenital pathology and encephaloclastic events.

8:15 AM–8:55 AM
Normal Head Ultrasound
Martha Munden, MD

8:55 AM–9:35 AM
Congenital Brain Malformations
Beth Kline-Fath, MD

9:35 AM–10:15 AM
Destructive Lesions of the Brain
Dorothy Bulas, MD

Three-Dimensional Gynecology

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Grand Ballroom West

Moderator: Rochelle Andreotti, MD

This session will provide an introduction and image review for 3-dimensional images in gynecology.

8:15 AM–8:45 AM
Three-Dimensional Gynecologic Ultrasound
William Brown III, MD

8:45 AM–9:15 AM
Three-Dimensional Ultrasound in Müllerian Duct Anomalies
Yvette Groszmann, MD

9:15 AM–9:45 AM
Evaluation of Intracavitary Abnormalities: The Value of the Coronal Plane
Rochelle Andreotti, MD

9:45 AM–10:00 AM
Adnexal Pathology: Using 3-Dimensional Ultrasound to Increase Diagnostic Accuracy
Yvette Groszmann, MD

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

Ultrasound Evaluation of Vascular Emergencies

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Trianon

Moderator: Christopher Raio, MD

After this session, participants should be able to integrate hemodynamic information into the interpretation of vascular studies, understand different diagnostic criteria for peripheral arterial disease, compensate for common pitfalls in the sonographic diagnosis of vascular emergencies, and achieve improved patient outcomes through vascular ultrasound practice.

8:15 AM–8:55 AM
Sonographic Findings of Vascular Emergencies
Leslie Scoutt, MD

8:55 AM–9:35 AM
Point-of-Care Vascular Ultrasound in Emergency and Critical Care
Christopher Raio, MD

9:35 AM–10:15 AM
Vascular Scanning Techniques: Pearls and Pitfalls
M. Robert De Jong, RDMS, RDCS, RVT

9:00 AM–10:00 AM
Membership Committee Meeting
East

10:15 AM–11:00 AM
Cardiovascular Ultrasound Community Meeting
Beekman

Elastography Interest Group Meeting
Sutton Center

Neurosonology Community Meeting

Sutton South

11:00 AM–12:30 PM

Special Interest Sessions

Film Panel: Unknown Cases

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Grand Ballroom West

Moderator: Beryl Benacerraf, MD, Misty Blanchette Porter, MD

Faculty: Yvette Groszmann, MD, MPH, Stefano Guerrierio, MD, Dirk Timmerman, MD, PhD, FRCOG

This session will review unknown images in gynecology with experts.

Interesting Ultrasound Cases From Resource-Limited Settings

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Concourse G

Moderator: Sanjiv Bajaj, MD

This session will present important case-based topics relevant to the use of ultrasound in resource-limited settings. Topics may include the use of ultrasound in diagnosing tropical diseases, advanced disease that is not typically seen in the United States, and use in human immunodeficiency virus patients with opportunistic coinfections, including tuberculosis. This will include image review of cases submitted by our Ultrasound in Global Health Interest Group and a presentation of current research on the topic.

Just Images: First-Trimester Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Grand Ballroom East

Moderator: Timothy Canavan, MD, MSc

Faculty: Mary Frates, MD, Andrei Rebarber, MD

Topics in this session will include: (1) review of landmarks and imaging modalities used in the first trimester; (2) recognition of normal and abnormal first-trimester studies, including adnexal pathology detected in the first trimester; and (3) pitfalls in first-trimester imaging.

11:00 AM–12:30 PM

Scientific Sessions

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

Basic Science: Bioeffects and Instrumentation

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Concourse A

Moderator: Keith Wear, PhD

11:00 AM–11:30 AM

Luminary Speaker: Keith Wear, PhD

11:30 AM–11:40 AM

2385072 Hermite Function Pulses for Scatterer Identification

Kevin Parker

11:40 AM–11:50 AM

2385179 Lower Bound on Estimation Variance of Ultrasonic Attenuation Coefficient Using the Reference Phantom Method

Kayvan Samimi, Tomy Varghese*

11:50 AM–12:00 PM

2385495 Using a Gamma Mixture Model for Estimating Cervical Attenuation

Viksit Kumar, Timothy Bigelow*

12:00 PM–12:10 PM

2394302 Differentiation of Breast Lesions Using Statistics of Backscattered Echoes Combined With the Breast Imaging Reporting and Data System

Hanna Piotrzkowska-Wroblewska, Andrzej Nowicki, Katarzyna Dobruch-Sobczak, Jerzy Litniewski*

12:10 PM–12:20 PM

2394384 Shear Rate Normalized Flow-Mediated Vasodilation of the Radial Artery

Andrzej Nowicki, Wojciech Secomski, Zbigniew Trawinski, Robert Olszewski*

12:20 PM–12:30 PM

Question and Answer

SATURDAY MARCH 19TH

Cardiovascular Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Beekman

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

11:00 AM–11:30 AM

Luminary Speaker: Alison Pouch, PhD

11:30 AM–11:37 AM

2361109 Will the Next Generation of Hospitalists Use Ultrasound in Practice? Observations Regarding Use of a Pocket-Sized Ultrasound Device by Residents During a Hospitalist Rotation

Benjamin Tsai

11:37 AM–11:44 AM

2371987 Coronary Calcium Volume Measurement in a Diabetic Cohort Using Intravascular Ultrasound Videos: A Comparative Study

*Tadashi Araki, Sumit Kumar Banchhor, Narendra Londhe, Nobutaka Ikeda, Petia Radeva, Devarshi Shukla, Luca Saba, Antonella Balestrieri, Andrew Nicolaides, Shoaib Shafique, John Laird, Jasjit Suri**

11:44 AM–11:51 AM

2373743 Automated Lumen Diameter and Interadventitial Diameter Show a Relationship With Plaque Score on B-Mode Carotid Ultrasound

*Tadashi Araki, Krishna Kumar, Nobutaka Ikeda, Aditya Sharma, Francesco Lavra, Jeny Rajan, Luca Saba, Andrew Nicolaides, John Laird, Shoaib Shafique, Jasjit Suri**

11:51 AM–11:58 AM

2375021 Initial Attempt Combining Transthoracic Echocardiography and Ultrasonography to Diagnose Intravascular and Intracardiac Metastatic Tumors

Jiong Wang, Yi Cheng, Yueh Lee, Ye Zheng, Yongmei Wang, Xiaobin Tang, Chun Zhang*

11:58 AM–12:05 PM

2381935 Ultrasound Characterization of Carotid Plaque Vulnerability in Patients Prior to Endarterectomy

Huan Dong, Maria Stanczak, John Farber, Paul DiMuzio, Priscilla Machado, Laurence Needleman, Flemming Forsberg*

12:05 PM–12:12 PM

2385100 Initial Assessment of Carotid Doppler Velocity Measurement Reproducibility in Normal Volunteers

Nicole Strissel, Leonardo de Souza, Heather Hatz, Crystal Koski, Jeanie Otten, Ryan Karshen, Donald Tradup, Zaiyang Long, Nicholas Hangiandreou, Thanila Macedo*

12:12 PM–12:19 PM

2385287 Noninvasive Intracardiac Pressure Measurements Using Subharmonic Aided Pressure Estimation: Proof of Concept in Humans

Sushmita Kulkarni, Jaydev Dave, Purva Pangaonkar, Maria Stanczak, Maureen McDonald, Ira Cohen, Praveen Mehrotra, Michael Savage, Paul Walinsky, Nicholas Ruggiero, David Fischman, Carolyn VanWhy, Matthew Lombardi, Flemming Forsberg*

12:19 PM–12:30 PM

Question and Answer

Obstetric Ultrasound: Fetal Anomalies

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Nassau

Moderator: Nasrin Benion, MD

11:00 AM–11:07 AM

2385005 Evaluation of Neural Tube Defects in More Than 200 Cases of Early Pregnancy Loss: Sonographic Detection of Failure Area

David Hartge, Michael Gembicki, Jan Weichert*

11:07 AM–11:14 AM

2377086 Association Between Soft Markers and Abnormal Newborn Phenotype in Women 35 Years of Age or Older With Negative Cell-Free DNA Testing

Anna Palatnik, Anna Romanova, Patrick Schneider, Jeffrey Dungan*

11:14 AM–11:21 AM

2377581 Congenital Lung Overinflation: A Rare, Enigmatic Lung Lesion on Detailed Fetal Sonography

Edward Oliver, Suzanne Iyoob, Steven Horii, Teresa Victoria, Nahla Khalek, N. Scott Adzick, Lori Howell, Beverly Coleman*

11:21 AM–11:28 AM

2378007 The Utility of Repeat Midtrimester Anatomy Ultrasound for Anomaly Detection

S. Lindsay Wood, John Owen, Sheri Jenkins, Lorie Harper*

11:28 AM–11:35 AM

2380242 Cardiac Axis in Fetuses With Tetralogy of Fallot: Associations With Prenatal Findings, Genetic Anomalies, and Postnatal Outcome

Yili Zhao, Scott Edington, Elena Sinkovskaya, Jonathan Fleenor, Alfred Abuhamad*

11:35 AM–11:42 AM

2385879 Lung-to-Head Ratio, Ultrasound Liver-to-Thoracic Ratio, and Stomach Position in Fetuses With Isolated Left-Sided Congenital Diaphragmatic Hernia: Proposal of Multiple-Parameter Sonographic Evaluation

Rodrigo Ruano, Nicolas Sananes, Ingrid Britto, Oluyinka Olutoye, Darrell Cass, Michael Belfort, Wesley Lee*

11:42 AM–11:49 AM

2386805 What is the Role of 11- to 14-Week Ultrasound in Women With Negative Noninvasive Prenatal Screening

Emily Reiff, Sarah Little, Lori Dobson, Louise Wilkins-Haug, Bryann Bromley*

11:49 AM–11:56 AM

2386862 Patient Choice and Clinical Outcomes Following Positive Noninvasive Prenatal Screening

*Lori Dobson, Emily Reiff, Sarah Little, Louise Wilkins-Haug, Bryann Bromley**

11:56 AM–12:03 PM

2392543 Are Nuchal Septations Clinically Significant for Early Prenatal Genetic Screening?

Lauren Mack, Wesley Lee, Arame Thiam, Joan Mastrobattista, Michael Belfort, Alireza Shamshirsaz, Rodrigo Ruano, David Rendon, Jimmy Espinoza*

12:03 PM–12:10 PM

2392630 Are Ultrasonographic Renal Parameters Associated With Urinary Biochemistry in Fetuses With Lower Urinary Tract Obstruction?

Ahmed Nassr, Chester Koh, Patricio Gargollo, Alireza Shamshirsaz, Jimmy Espinoza, Haleh Sangi-Haghpeykar, Stephen Welty , David Roth, Michael Belfort, Michael Braun, Rodrigo Ruano*

12:10 PM–12:17 PM

2393058 Progression of Functional Motor Level in Neonates With Myelomeningocele Can Be Scored by Prenatal Sonography

Joan Mastrobattista, Elena Carreras, Lauren Mack, Anna Maroto, Whitehead William, Tamara Illescas, Karin Fox, Carlota Rodo, Michael Belfort, Silvia Arevalo, Rodrigo Ruano, Rajshi Gandhi, Wesley Lee, A. Cuxart*

12:17 PM–12:24 PM

2393074 Prenatal Ultrasonography Reliably Predicts Postnatal Neurologic Function in Fetuses With Myelomeningocele

Joan Mastrobattista, Elena Carreras, Lauren Mack, Anna Maroto, Whitehead William, Tamara Illescas, Karin Fox, Carlota Rodo, Michael Belfort, Silvia Arevalo, Rodrigo Ruano, Rajshi Gandhi, Wesley Lee, A. Cuxart*

Point-of-Care Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Trianon

Moderator: Kathleen Cross, RDMS, RT (R) (M)(CT)

11:00 AM–11:15 AM

Luminary Speaker: Vicki Noble, MD

11:15 AM–11:22 AM

2365878 Interobserver and Intraobserver Agreement of Emergency Physicians and Cardiologists in the Echocardiographic Identification of Right Ventricular Dysfunction in Patients With Submassive Pulmonary Embolism

Laura Oh, Angela Johnson, Gregory Thacker, Geoffrey Rose, Thomas Johnson, Michael Runyon, Megan Templin, James Norton, Anthony Weekes*

11:22 AM–11:29 AM

2379399 Variable Interpretation of Cardiac Standstill Among Physician Sonographers

Kevin Hu, Nachi Gupta, Felipe Merino, Phillip Andrus*

11:29 AM–11:36 AM

2379957 Emergency Physician Focused Cardiac Ultrasound Exam Improves Diagnosis of Ascending Aortic Dissection

Joseph Pare, Rachel Liu, Christopher L. Moore, Tyler Sherban, Michael Kelleher, Sheeja Thomas, Richard Taylor*

11:36 AM–11:43 AM

2385154 Does Carotid Intima-Media Thickening Predict a Negative Stress Test in Low-Risk Chest Pain?

Matthew Tabbut

11:50 AM–11:57 AM

2384122 Soft Tissue Ultrasound and Failure of Therapy for Suspected Skin Abscesses

Romolo Gaspari, Alexandra Sanseverino*

SATURDAY MARCH 19TH

11:57 AM–12:04 PM

2384354 Emergency Physician Utilization of Ultrasound in Arizona

Richard Amini, Michael Wyman, Nicholas Hernandez, Srikar Adhikari*

12:04 PM–12:11 PM

2384358 Ultrasound-Assisted Lumbar Puncture in the Emergency Department

Jesse Spangler, Rohit Manaktala, Jordan Tozer, Michael Joyce, Michael Vitto, Jin Liu, Adam Sima, David Evans*

12:11 PM–12:30 PM

Question and Answer

11:00 AM–12:00 PM

Musculoskeletal Ultrasound Community Meeting

Regent

11:00 AM–12:30 PM

General and Abdominal Ultrasound Community Meeting

East

12:30 PM–1:30 PM

Clinical Standards Committee Meeting

Harlem

Contrast-Enhanced Ultrasound Community Meeting

Concourse F

Gynecologic Ultrasound Community Meeting

Grand Ballroom West

Presidential Advisory Committee Meeting

Holland

1:30 PM–3:30 PM

Special Interest Sessions

Abnormalities of the Fetal Venous System

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Grand Ballroom East

Moderators: Liat Gindes, MD, Julia Solomon, MD

Evaluation of the fetal venous system has lagged behind other cardiac and arterial vascular assessment, but it has now become well recognized as a target for investigation in cases of circulatory compromise. A broad spectrum of malformations affecting this system has been described, including abnormalities of systemic and pulmonary venous return, as well as portal, umbilical, and ductus venosus abnormalities. This session will review the anatomy of the fetal venous system and outline the abnormalities that may affect these structures as well as the associated adverse outcomes.

1:30 PM–2:00 PM

Abnormalities of Systemic Venous Return

Julia Solomon, MD

2:00 PM–2:30 PM

Abnormalities of the Ductus Venosus and Portal Hepatic Venous Return

Liat Gindes, MD

2:30 PM–3:00 PM

Pulmonary Venous Return Abnormalities

Christopher Lindblade, MD

3:00 PM–3:30 PM

Cerebral Venous Anatomy and Malformations

Ana Monteagudo, MD

Abnormal Uterine Bleeding

Earn up to 2.0 AMA PRA Category 1 Credits™ (accepted by the ARDMS) or ARRT Category A Credits

Grand Ballroom West

Moderator: Misty Blanchette-Porter, MD

This session will review common causes of abnormal uterine bleeding, sonohysterography, and indications for endometrial biopsy.

1:30 PM - 2:10 PM

Abnormal Uterine Bleeding: The Standard of Care has Changed

Misty Blanchette-Porter, MD

2:10 PM–2:50 PM

Sonographic and Hysteroscopic Correlation

William Brown III, MD

2:50 PM–3:30 PM

Adenomyosis and Fibroids

Dirk Timmerman, MD, PhD, FRCOG

Clinical Applications of Ultrasound Contrast: Part 2

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Concourse A

Moderator: Arthur Fleischer, MD

On completion of this course, participants will understand: (1) how contrast-enhanced ultrasound (CEUS) can be used off-label; (2) how CEUS can be integrated into daily practice; and (3) when to use ultrasound contrast as a problem-solving tool.

1:30 PM–1:50 PM

Contrast-Enhanced Ultrasound Liver Imaging Reporting and Data Systems (CEUS LI-RADS)

Yuko Kono, MD, PhD

1:50 PM–2:10 PM

Contrast-Enhanced Ultrasound in Tumor Chemotherapy Monitoring

Nathalie Lassau, MD

2:10 PM–2:30 PM

Contrast-Enhanced Ultrasound in Tumor Ablation Monitoring

Flemming Forsberg, PhD

2:30 PM–2:50 PM

Gynecologic Applications of Contrast-Enhanced Ultrasound

Nitin Chaubal, MD

2:50 PM–3:10 PM

Contrast-Enhanced Ultrasound Evaluation of Trauma Patients

David Cosgrove, MA, MSc, FRCP, FRCR

3:10 PM–3:30 PM

Contrast-Enhanced Ultrasound in the Management of Indeterminate Focal Testicular Lesions

Paul Sidhu, BsC, MBBS, MRCP, FRCR

Complex Cutting-Edge Pediatric Ultrasound

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton North

Moderator: Leann Linam, MD

After this session, participants should recognize the uses of contrast-enhanced ultrasound in pediatric practice, understand how to implement a sonographic voiding cystourethrography service, be aware of modern Doppler techniques and their potential applications, gain familiarity with the concept of sonographic elastography, and determine applications for elastography in pediatric practice.

1:30 PM–1:42 PM

Contrast Voiding Cystourethrography

Kassa Darge, MD, PhD

1:42 PM–1:54 PM

Elastography Basics

Leann Linam, MD

1:54 PM–2:06 PM

Intravascular Ultrasound Contrast in Pediatrics

Mary Beth McCarville, MD

2:06 PM–2:18 PM

Elastography Applications

Martha Munden, MD

2:18 PM–2:30 PM

Superb Micro Doppler Imaging

Sara O'Hara, MD

SATURDAY MARCH 19TH

Design Updates for Nontraditional Applications of Point-of-Care Ultrasound

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Trianon

Moderators: Oliver Kripfgans, PhD, Philip Levy, MD

After this session, participants should be able to discuss recent advances in the use of nontraditional clinical applications of point-of-care ultrasound (POCUS). Topics will include patient-performed POCUS, algorithm, work flow, and automation solutions, high-intensity focused ultrasound, and ethical challenges of POCUS. The course will focus on the impact of these nontraditional applications of ultrasound on teaching, research, and clinical practice and help identify potential areas for collaboration and innovation.

1:30 PM–1:40 PM
Introduction

1:40 PM–2:00 PM
The Disruption Continues: Patient-Performed POCUS
Vicki Noble, MD

2:00 PM–2:20 PM
Resuscitation Ultrasound: At the Interface of Emergency and Critical Care Ultrasound
Nikhil Theyyunni, MD

2:20 PM–2:40 PM
Algorithms and Automation Solutions for POCUS
Nahi Halmann, PhD

2:40 PM–3:00 PM
Integration of POCUS Into Digital Work Flow
Christopher Bryczkowski, MD

3:00 PM–3:20 PM
Reshaping the POCUS Map: Translating the Science Into Reality
Jason Nomura, MD

3:20 PM–3:30 PM
Questions and Answers

UGRA Hands-on Hip Ultrasound (Sold out)

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Rendezvous Trianon

Moderators: Girish Gandikota, MBBS, FRCS, FRCR, RMSK, Colin Strickland, MD

Faculty: Nathalie Bureau, MD, FRCPC, MSc, Joseph Craig, MB, ChB, Patricia Delzell, MD, Girish Gandikota, MBBS, FRCS, FRCR, RMSK, Cristy Gustas, MD, Marnix van Holsbeeck, MD, Jon Jacobson, MD, Johan Michaud, MD, Levon Nazarian, MD, Daniel Nissman, MD, MPH, MSEE, Humberto Rosas, MD, Colin Strickland, MD

At the completion of this session, participants will have gained hands-on experience in performing comprehensive ultrasound examinations of the hip.

Just Images: Uncommon Vascular Pathology

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Beekman

Moderator: Leslie Scoutt, MD

The objective of this session is to describe the role of ultrasound in the evaluation of abdominal vascular pathology.

1:30 PM–2:00 PM
Uncommon Vascular Pathology: Part 1
Margarita Revzin, MD

2:00 PM–2:30 PM
Uncommon Vascular Pathology: Part 2
Deborah Rubens, MD

Renal Doppler Ultrasound: How Far Can You Go?

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Beekman

Moderator: Margarita Revzin, MD

The objective of this session is to describe how to do a renal Doppler exam, the role of ultrasound in the evaluation of renovascular hypertension (RVHT), the interventional approach to RVHT, and the role of ultrasound in evaluating other renal vascular pathology

2:30 PM–3:00 PM
Doppler Ultrasound of the Renal Arteries
Deborah Rubens, MD

3:00 PM–3:30 PM
To Intervene or Not to Intervene: That Is the Question
Eugene Zierler, MD

SAMs Ultrasound-Guided Intervention: State-of-the-Art Techniques in Biopsy, Managing Coagulopathy, and Avoiding Complications

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits, and SAMs Credits.

Sutton Center

Moderator: Nami Azar, MD

The objectives of this session are to: (1) educate the audience on how to utilize novel approaches and fusion technology to perform difficult biopsies and possible ablations; (2) provide an overview of coagulation parameters and anticoagulant medications and guidelines on managing coagulopathy; and (3) provide recommendations on how to manage and approach fluid collections in the body for drainage.

1:30 PM–2:00 PM

Managing Coagulopathy in Patients Undergoing Invasive Procedures

Corinne Deurdulian, MD

2:00 PM–2:30 PM

Ultrasound-Guided Procedures Beyond the Conventional

Dean Huang, BmedSci, BMBS, MRCPCH, FRCR, EBI

2:30 PM–3:00 PM

Avoiding Complications: What to Look for Besides the Needle

Dean Nakamoto, MD

3:20 PM–3:30 PM

Questions and Answers

Ultrasound in Global Health Lecture Series: Bringing Ultrasound to the World

Earn up to 2.0 *AMA PRA Category 1 Credit*s™ (accepted by the ARDMS) or ARRT Category A Credits.

Concourse G

Moderator: Megan Leo, MD, RDMS

This session will serve to present a few very important topics relevant to the use of ultrasound in resource-limited settings. Responsible ultrasound training programs and research in ultrasound usage have the potential to improve health care outcomes in underserved communities around the world. Topics are to include a Rwandan physician's perspective on the integration of ultrasound into local medical practice, the training and research experiences of a cardiac sonographer who is a leading expert in the diagnosis and treatment of rheumatic heart disease around the globe, and pearls from a successful physician researcher on navigating the international Institutional Review Board. This lecture series aims to connect members with an interest in these important areas.

1:30 PM–2:10 PM

Successes and Failures of Training Clinicians and Nonclinicians in the Diagnosis of Cardiac Pathology by Portable Ultrasound Across Continents

David Adams, RCS, RDCS, FASE

2:10 PM–2:50 PM

Ultrasound Development in Rwanda: The Impact of Training on Physicians and Patient Care

Lynn Copolla, MD, MPH

2:50 PM–3:30 PM

How to Navigate the International Institutional Review Board: Logistics of Doing Research in Resource-Limited Countries

Trish Henwood, MD

Ultrasound of the Patient With a Thyroid Nodule: Basic Anatomy and Preoperative and Postoperative Evaluation

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton South

Moderator: Sharlene Teefey, MD

The objectives of this session are to review the anatomy of the neck and introduce the new American Thyroid Association guidelines for evaluating thyroid nodules and the post-thyroidectomy patient.

1:30 PM–2:10 PM

Evaluation of Lymph Nodes in the Patient with Papillary Thyroid Carcinoma

Sharlene Teefey, MD

2:10 PM–2:50 PM

New American Thyroid Association Guidelines: When to Biopsy a Thyroid Nodule

Mary Frates, MD

2:50 PM–3:30 PM

Postoperative Ultrasound Surveillance in Thyroid Carcinoma

James Etzkorn, MD

1:30 PM–3:30 PM

Ultrasound Practice Accreditation Council Meeting

East

SATURDAY MARCH 19TH

2:30 PM–3:00 PM

Pediatric Ultrasound Community Meeting

Sutton North

3:00 PM–4:00 PM

Interventional-Intraoperative Ultrasound Community Meeting

Sutton Center

4:00 PM–5:30 PM

Special Interest Sessions

UGRA Becoming an Evidence-Based Practitioner

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Gibson

Moderator: Shawn Roll, PhD, OTR/L, CWCE, RMSK

This session will provide an overview of the skills necessary for sonography professionals to become successful evidence-based practitioners, including critical analysis of published scientific literature, building practice-based evidence, and balancing evidence-based practice with a busy clinical schedule.

4:00 PM–4:30 PM

Building Practice-Based Evidence Through Clinical Research and Database Development

Kevin Evans, PhD, RT(R)(M)(BD), RDMS, RVS

4:30 PM–5:00 PM

Finding, Reading, and Assessing Evidence in Published Literature

Shawn Roll, PhD, OTR/L, CWCE, RMSK

5:00 PM–5:30 PM

Practical Techniques for Incorporating Evidence-Based Practice Into a Busy Clinical Schedule

Kathryn Zale, MS, RDMS, RVT

Controversies in Obstetric Doppler Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Grand Ballroom East

Moderator: Donna Neale, MD

On completion of this session, participants should demonstrate an understanding of obstetric Doppler technology and appropriate indications for obstetric Doppler use in clinical practice.

4:00 PM–4:15 PM

The Use of Uterine Artery Doppler Studies for the Prediction of Preeclampsia: Pros

Donna Neale, MD

4:15 PM–4:30 PM

The Use of Umbilical Artery Doppler Studies for the Management of Intrauterine Growth Restriction: Pros

Ray Bahado-Singh, MD

4:30 PM–4:45 PM

The Use of Middle Cerebral Artery Doppler Studies for the Management of Fetal Growth Restriction: Challenges

Ray Bahado-Singh, MD

4:45 PM–5:00 PM

The Use of Umbilical Artery Doppler Studies for the Management of Intrauterine Growth Restriction: Challenges

Jude Crino, MD

5:00 PM–5:15 PM

The Use of Middle Cerebral Artery Doppler Studies for the Management of Fetal Anemia: Pros

Giancarlo Mari, MD

5:15 PM–5:30 PM

The Use of Uterine Artery Doppler Studies for the Prediction of Preeclampsia: Challenges

Giancarlo Mari, MD

Hands-on Carotid and Transcranial Doppler Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Rendezvous Trianon

Moderator: Digna Cabral, BS

Faculty: Andrei Alexandrov, BS, RVT, Eva Bartels, MD, PhD, John Bennett, MD, George Berdejo, BA, RVT, John Blebea, MD, MBA, Nelly Campos, MD, RVT, M. Robert De Jong, RDMS, RDCS, RVT, Zsolt Garami, MD, Jennifer McDowell, MM, RVT, RDMS, RT, Tatjana Rundek, MD, PhD , Leslie Scoutt, MD, Charles Tegeler, MD

This session is designed to provide strategies, technical approaches, and practical guidance for arterial vascular access and to provide basics on scanning and interpretation of carotid ultrasound and transcranial Doppler ultrasound.

Ultrasound After 5:00 PM

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton South

Moderator: Gayatri Joshi, MD

The objectives of this session are: (1) to list the conditions that may present as acute pain after working hours; (2) to describe the sonographic signs and features of the presenting disease; and (3) to describe the differential diagnosis and sonographic features that help in diagnosis.

4:00 PM–4:20 PM
The Acute Scrotum
Wui Chong, MD

4:20 PM–4:40 PM
Acute Right Lower Quadrant Pain
Ravi Kadasne, MD

4:40 PM–5:00 PM
Acute Right Upper Quadrant Pain
Gayatri Joshi, MD

5:00 PM–5:20 PM
Acute Pelvic Pain
Refky Nicola, MS, DO

5:20 PM–5:30 PM
Questions and Answers

4:00 PM–5:30 PM

Scientific Sessions

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

Elastography

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Sutton Center

Moderator: Richard Barr, MD, PhD

4:00 PM–4:30 PM
Luminary Speaker: Richard Barr, MD, PhD

4:30 PM–4:37 PM
2381698 Ultrasound Elastography: Variation of Fibrosis Assessment as a Function of Depth, Force, and Distance From the Central Axis of the Transducer With a Comparison of Different Systems
Changtian Li, Luzeng Chen, Zhikui Chen, David Cosgrove, Atul Bhan, Dahlene Fusco, Manish Dhyani, Anthony Samir*

4:37 PM–4:44 PM
2383952 Ultrasound Strain Elastography in Assessment of Resting Biceps Brachii Muscle Stiffness in Patients With Parkinson's Disease: A Primary Observation
Jing Gao, Li-Juan Du, Wen He, Shuo Li, George Shih, Keith Hentel, Jonathan Rubin*

4:44 PM–4:51 PM
2384881 Summative Elastography Score Is Superior to Single-Plane Elastography Score in Dupuytren's Cord Treatment
Andrew DeMarco, Megan Bishop, Theresa Goldman, Paul DeMarco*

4:51 PM–4:58 PM
2384911 Three-Dimensional Reconstruction in Ultrasound Elastography Using a Markov Random-Field Model
Atul Ingle, Tomy Varghese*

4:58 PM–5:05 PM
2384985 Assessment of Liver and Spleen Stiffness in Patients With Myelofibrosis Using FibroScan and Shear Wave Elastography
Muriel Webb

SATURDAY MARCH 19TH

5:05 PM–5:12 PM

2387759 Sonoelastographic, B-Mode Sonographic, and Color Doppler Sonographic Findings of Pleomorphic Adenomas and Warthin Tumors of the Parotid Gland

Hasan Yerli

5:12 PM–5:30 PM

Question and Answer

Musculoskeletal Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credit.

Regent

Moderator: Humberto Rosas, MD

4:00 PM–4:30 PM

Luminary Speaker: Humberto Rosas, MD

4:30 PM–4:37 PM

2377365 Multifidi Activity Helps Explain Clinical Measures in Older Adults With Low Back Pain

J. Megan Sions, Peter Coyle, Teonette Velasco, Gregory Hicks*

4:37 PM–4:44 PM

2327733 Musculoskeletal Ultrasound in American Occupational Medicine Residency Programs: A Survey of Program Directors

Yusef Sayeed, Anna Allen, Joseph Minardi, Hussam Kurdi, Charles Werntz*

4:44 PM–4:51 PM

2369886 Preloaded Machine Protocols: Are There Better Ways to Ensure a Complete Shoulder Ultrasound exam?

Akash Garg, Patricia Delzell, Jennifer Bullen, Naveen Subhas*

4:51 PM–4:58 PM

2384646 Ultrasound-Guided Platelet-Rich Plasma Injection: Clinical Outcomes in Patients With Patellar Tendinopathy Following Anterior Cruciate Ligament Reconstruction Using a Patellar Tendon Autograft

Garrett Woodbury, John Wilson, Kari Taggart, Geoffrey Baer, Tim McGuine, Ken Lee*

4:58 PM–5:05 PM

2385559 Ethnicity Does Not Affect Cross-Sectional Areas of Major Upper Extremity Nerves on Ultrasound

Nathan Anderson, Leland Finley, Bryce Betteridge, Weston Pratt, Jongyeol Kim*

5:05 PM–5:12 PM

2377749 The ArcTOA Technique for Out-of-Plane Ultrasound-Guided Injections: Technique Description and Comparison Study

Sathish Rajasekaran, Jonathan Finnoff*

Obstetric Ultrasound: Uterus, Placenta, and Cervix

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Grand Ballroom West

Moderator: Anna Monteagudo, MD

4:00 PM–4:30 PM

Luminary Speaker: Ilan Timor-Tritsch, MD

4:30 PM–4:37 PM

2378589 Utility of Volumetric Assessment of Cervical Funneling to Predict Cerclage Failure

Jessica Sheng, Frank Schubert, Avinash Patil*

4:37 PM–4:44 PM

2377958 More Data Supporting That Intra-Amniotic "Sludge" Does Not Affect Pregnancy Outcome in Patients Undergoing Cerclage for a Sonographically Short Cervix

Fereshteh Boozarjomehri, Margaret Dziadosz, Morgan Peltier, Fatima Boozarjomehri, Anthony Vintzileos, Ilan Timor-Tritsch, Frederick Naftolin*

4:44 PM–4:51 PM

2380128 Prospective Evaluation of Postpartum Uterine Sonographic Measures Following Vaginal and Cesarean Deliveries

*Eran Ashwal, Kinneret Tenenbaum-Gavish, Hila Zilber, Liran Hiersch, Arnon Wiznitzer, Yariv Yogev, Israel Meizner, Ron Bardin**

4:51 PM–4:58 PM

2382045 Relationship of Cervical Length With Need for Adjuvant Progesterone and Pregnancy Outcomes in Women With Cerclage

Rachel Sinkey, Mercedes Garcia, Anthony Odibo*

4:58 PM–5:05 PM

2382463 Revision of a Failed Cerclage Is Associated With Higher Risk of Premature Birth Compared to Primary Cerclage

Fereshteh Boozarjomehri, Margaret Dziadosz, Morgan Peltier, Fatima Boozarjomehri, Anthony Vintzileos, Ilan Timor-Tritsch, Frederick Naftolin*

5:05 PM–5:12 PM

2385068 Placental Mesenchymal Dysplasia Imitating a Partial Molar Pregnancy

David McKinney, Carri Warshak*

5:12 PM–5:19 PM

2385849 Large Vascular Placental Lake on First-Trimester Ultrasound

David McKinney, Carri Warshak*

5:19 PM–5:30 PM

Question and Answer

Therapeutic Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Concourse A

Moderator: Peter Lewin, MSc, PhD

4:00 PM - 4:15 PM

Luminary Speaker: Peter Lewin, MSc, PhD

4:15 PM–4:22 PM

2364234 Treatment of Lower Limb Deep Vein Thrombosis by Combining Microbubble-Enhanced Ultrasound and Urokinase: A Clinical Study

Qiong Zhu, Gang Dong, MengJiao Guo, Shunji Gao, Zheng Liu, Feng Xie*

4:22 PM–4:29 PM

2366593 Clinical Studies of Far-Field Continuous Therapeutic Ultrasound for Enhancing Drug Delivery

Mingde Li

4:29 PM–4:36 PM

2378893 Ultrasound-Enhanced Neoadjuvant Chemotherapy of Cervical Carcinoma Combined With Microbubbles and Hydrogen Peroxide

Xueyan Qiao, Yan Zhu, Xi Xiong, Ping Yan, Zheng Liu*

4:36 PM–4:43 PM

2381296 Restoration of the Blood-Brain Barrier Following Ultrasound-Induced Opening Appears to Be Independent of Opening Volume

Meaghan O'Reilly, Olivia Hough, Kullervo Hynynen*

4:43 PM–4:50 PM

2383984 Effects of In Vivo Ultrasonic Exposure to the Rat Heart: Reproducibility of Heart Rate and Cardiac Output Depression

Olivia Coiado, William O'Brien Jr*

4:50 PM–4:57 PM

2384123 A Novel Tikhonov Regularization Scheme to Focus Ultrasound Phased Arrays

Alec Hughes, Kullervo Hynynen*

4:57 PM–5:04 PM

2385368 First-in-Human Clinical Trial Using Ultrasonic Propulsion to Reposition Renal Calculi in Humans

Jeff Thiel, Jonathan Harper, Franklin Lee, Bryan Cunitz, Barbrina Dunmire, Michael Bailey, Manjiri Dighe, Mathew Sorensen*

5:04 PM–5:11 PM

2393124 Therapeutic Ultrasound for Stimulation of Insulin Release as a Potential Treatment for Type 2 Diabetes

*Ivan Suarez, Aleksandar Jeremic, Vesna Zderic**

5:11 PM–5:18 PM

2393141 Amperometric Detection of Ultrasound-Induced Secretory Events From Pancreatic βCells

*Bogdan Balteanu, Tania Singh, Ivan Suarez, Aleksandar Jeremic, Vesna Zderic**

5:18 PM–5:30 PM

Question and Answer

5:30 PM- 6:00 PM
Sonography Community Meeting

Gibson

6:00 PM
Sonographer Networking Reception (by invitation only)

Clinton

SATURDAY

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march 25–29 florida

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Walt Disney Swan and Dolphin Resort
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Sunday, March 20, 2016

Day at a Glance

6:30 AM–4:30 PM	Convention Registration Open
7:00 AM–8:00 AM	Special Interest Sessions
7:00 AM–8:00 AM	Council on Communities Meeting
8:15 AM–10:15 AM	Continuing Medical Education (CME) Committee Meeting
	Special Interest Sessions
	Hands-on Special Interest Session
9:30 AM–4:00 PM	Exhibit Hall Open
	E-Posters Open for Viewing
10:15 AM–11:00 AM	Basic Science and Instrumentation Community Meeting
11:00 AM–12:30 PM	Special Interest Sessions
	Scientific Sessions
12:30 PM–1:30 PM	Fetal Echocardiography Community Meeting
	Point-of-Care Ultrasound Community Meeting
12:30 PM–3:30 PM	Executive Committee Meeting
12:30 PM–1:30 PM	Lunch in the Exhibit Hall (Americas Hall I)
1:30 PM–3:30 PM	Special Interest Sessions
3:00 PM–3:30 PM	Break in Exhibit Hall
4:00 PM–5:30 PM	Special Interest Sessions
	Scientific Sessions
	Obstetric Ultrasound Community Meeting
	Leadership Banquet (by invitation only)

SUNDAY MARCH 20TH

7:00 AM–8:00 AM

Special Interest Sessions

Coding and Billing in Obstetric Ultrasound

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits

Grand Ballroom West

Moderator: Joshua Copel, MD

On completion of this session, participants should be able to describe the correct method of coding and billing obstetric ultrasound.

7:00 AM–8:00 AM

Ultrasound Pearls to Be a Better Medical Partner in the New Affordable Care Act Era: Appropriate Billing of Ultrasound Under ICD-10

Joshua Copel, MD

Elastography

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.

Sutton Center

Moderator: Amy Lex, MS, RT(R), RDMS

The objectives of this session are to review indications and guidelines, describe techniques, and highlight tips and tricks for multiple applications. The emphasis will be on techniques already shown to be of clinical value. Newer in-process applications will be included in shorter talks. An update on state-of-the-art elastography will be provided.

7:00 AM–7:20 AM

Musculoskeletal

Ogonna Nwawka, MD

7:20 AM–7:40 AM

Other

David Cosgrove, MA, MSc, FRCP, FRCR

7:40 AM–8:00 AM

Liver

Michelle Robbin, MD , MS

How to Be an Effective Manuscript Reviewer for the *Journal of Ultrasound in Medicine*

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.

Nassau

Moderator: Levon Nazarian, MD

At the end of this educational session, participants will be able to: (1) identify the steps required to complete the peer-review process for manuscripts; (2) assess the importance of the service that reviewers provide to the *Journal of Ultrasound in Medicine*; and (3) distinguish the components of a top-quality peer review.

Interplay of Genetics and the Fetal Heart: Different Problems, Different Perspectives

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.

Sutton North

Moderator: Dolores Pretorius, MD

This session will address the current role of echocardiography in the evaluation of patients with known or suspected aneuploidy and other common genetic conditions. On completion of this session, participants should be able to: (1) describe how echocardiography is currently used in the evaluation for aneuploidy and the role of cardiac and noncardiac "soft markers" from the perspective of the sonologist and the echocardiographer; (2) identify targets for genetic testing based on a cardiac anomaly diagnosis; and (3) be aware of controversial and unclear aspects of this area in prenatal diagnostics.

7:00 AM–7:20 AM

Cardiac Soft Markers

Dolores Pretorius, MD

7:20 AM–7:40 AM

Cardiovascular Genetics: What We Can Learn From a Fetal Echocardiogram

Shab Peyvandi, MD

7:40 AM–8:00 AM

Controversies From Both Sides

Dolores Pretorius, MD, Shab Peyvandi, MD

Just Images: Perinatal Neurosonography

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.

Regent

Moderator: Beth Kline-Fath, MD

The objective of this session is to provide examples of difficult prenatal ultrasound cases for the approach to the workup and outcome.

7:00 AM–7:20 AM
Case Presentation
Usha Nagarja, MD

7:20 AM–7:40 AM
Case Presentation
Mariana Meyers, MD

7:40 AM–8:00 AM
Case Presentation
Amy Mehollin-Ray, MD

Peripheral Arterial Disease: Consult Through Intervention and Follow-up Surveillance

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.

Beekman

Moderator: Gowthanam Gunabushanam, MD

At the end of this session, participants will have acquired better understanding of how to non-invasively evaluate and assess the patient with peripheral arterial disease, use diagnostic ultrasound in the preoperative workup and planning, and assess the intervention and patient long term using duplex ultrasound and other noninvasive techniques.

7:00 AM–7:30 AM
Screening for Peripheral Vascular Disease
George Berdejo, BA, RVT

7:30 AM–8:00 AM
Intervention and Follow-up of Patients With Peripheral Arterial Disease
John Blebea, MD

Three- and Four-Dimensional Ultrasound for the Advanced Assessment of Fetal Abnormalities

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credit.

Grand Ballroom East

Moderator: Julia Solomon, MD , CM

Many ultrasound machines currently in use by practitioners have 3- and 4-dimensional or volume-based imaging capabilities. However, the use of this imaging is often limited to surface rendering of the fetal face, as there is a deficit in training of both physicians and sonographers in the use of adjunctive volume-based modalities. This session aims to demonstrate how more advanced 3- and 4-dimensional modalities such as skeletal renderings, volume calculations, and color or glass body imaging can be used to improve the assessment and diagnosis of structural fetal malformations.

7:00 AM–7:20 AM
Advanced 3- and 4-Dimensional Assessment of the Cranium, Brain, and Palate
Deborah D'Agostini, RDMS

7:20 AM–7:40 AM
Advanced 3- and 4-Dimensional Assessment of Skeletal and Soft Tissue Abnormalities
Lawrence Platt, MD

7:40 AM–8:00 AM
Advanced 3- and 4-Dimensional Cardiac and Vascular Assessment
Julia Solomon, MD, CM

7:00 AM–8:00 AM

Council on Communities Meeting

East

SUNDAY MARCH 20TH

8:15 AM–10:15 AM

Special Interest Sessions

Acute Head and Neck Ultrasound

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Trianon

Moderator: John Bailitz, MD

The objectives of this session are: (1) to review sonographic findings of a variety of ophthalmic emergencies, including retinal detachment, vitreous hemorrhage, lens dislocation, intraocular foreign bodies, and globe injury; (2) to discuss the use of sonographic optic nerve sheath diameter in cardiac arrest and stroke patients; (3) to review point-of-care ultrasound evaluation of a wide variety of head and neck conditions, such as peritonsillar abscesses, facial abscesses, dental abscess, sinusitis, epiglottitis, siailolithiasis, sialoadenitis, lymphadenitis, cysts, facial fractures, and skull fractures; and (4) to discuss interventional/therapeutic applications of point-of-care head and neck ultrasound. After this session, participants should be able to integrate point-of-care ultrasound in the assessment of acute head and neck conditions in adult and pediatric patients and use sonographic optic nerve sheath diameter to predict neurologic outcomes in stroke and cardiac arrest patients.

8:15 AM–8:45 AM

Evolving Applications of Acute Head and Neck Ultrasound

John Bailitz, MD

8:45 AM–9:15 AM

Sonographic Findings of Ophthalmic Emergencies

Richard Calderon, OD

9:15 AM–9:45 AM

Pediatric Neck Masses in the Emergency Department

Henrietta Kotlus Rosenberg, MD

9:45 AM–10:15 AM

Point-of-Care Head and Neck Ultrasound

Srikar Adhikari, MD, MS

Adnexal Masses

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Grand Ballroom West

Moderator: James Shwayder, MD, JD

This session will review imaging criteria to distinguish between benign, borderline, metastatic, and primary invasive masses and review common benign and adnexal masses in pregnancy.

8:15 AM–8:55 AM

International Ovarian Tumor Analysis Standardized Terminology to Describe Ovarian Tumors and Simple Ultrasound Rules to Characterize Ovarian Masses

Dirk Timmerman, MD, PhD, FRCOG

8:55 AM–9:35 AM

Adnexal Masses in Pregnancy

James Shwayder, MD, JD

9:35 AM–10:15 AM

International Ovarian Tumor Analysis Trial From 1999 to 2016: What Are the Key Take-home Messages? What Protocol Should Be Used to Evaluate Ovarian Pathology in 2016?

Dirk Timmerman, MD, PhD, FRCOG

Hands-on Ultrasound Guidance for Critical Procedures

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Rendezvous Trianon

Moderator: Arun Nagdev, MD

Faculty: Richard Amini, MD, Lawrence Haines, MD, Daniel Mantuani, MD, Arun Nagdev, MD, Jason Nomura, MD, David Rosenblum, MD, Gary Schwartz, MD

This session will allow participants to increase their comfort with a variety of procedures that can benefit from ultrasound guidance. On completion of this session, participants will be familiar with ultrasound guidance for blocks of the upper and lower extremities, pericardiocentesis, arthrocentesis, and vascular access.

SAMs How to Be an Ultrasound Hipster: A Comprehensive Radiologist's and Pediatric Orthopedic Surgeon's Approach to Groovy Hip Joint Imaging With Ultrasound.

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits , and SAMs Credits.

Sutton North

Moderator: Rob Goodman, MB, BChir

This session will address the current role of ultrasound in the pediatric hip from a pediatric radiologist's and pediatric orthopedic surgeon's viewpoint. On completion of this session, participants should be able to: (1) recognize the techniques and findings for an irritable hip; (2) understand what the pediatric orthopedic surgeon needs to know from irritable hip ultrasound; (3) recognize the techniques and findings for developmental dysplasia of the hip (DDH); and (4) understand what the pediatric orthopedic surgeon needs to know from DDH hip ultrasound.

8:15 AM–8:45 AM
Developmental Dysplasia of the Hip
Rob Goodman, MB, BChir

8:45 AM–9:30 AM
Irritable Hip
Nadia Mahmood, MD

9:30 AM–10:15 AM
What the Surgeon Needs to Know
Melinda Sharkey, MD

Imaging Pitfalls and Great Calls

Earn up to 1.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.
Beekman
Moderator: John Blebea, MD

To review pitfalls in vascular ultrasound and common mistakes in technique and interpretation.

8:15 AM–8:45 AM
Great Calls From the Vascular Lab
Eugene Zierler, MD

8:45 AM–9:15 AM
Pitfalls in Vascular Imaging
John Pellerito, MD

Just Images: Contrast-Enhanced Ultrasound

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.
Concourse G
Moderators: Jean-Michael Correas, MD, Giovanna Ferraioli, MD

The objective of this session is to familiarize the participants with various clinical applications of contrast-enhanced ultrasound.

Noninvasive Testing for Peripheral Arterial Disease: Case-Based Presentations

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.
Beekman
Moderator: George Berdejo, BA, RVT
Faculty: George Berdejo, BA, RVT, John Blebea, MD, Gowthanam Gunabushanam, MD, Eugene Zierler, MD

This session will describe the role of ankle brachial indices and pulse volume recordings for assessing patients with suspected peripheral vascular disease and discuss the role of Doppler ultrasound in assessing patients with peripheral arterial disease

Prenatal Imaging of the Fetal Face

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.
Nassau
Moderator: Amy Mehollin-Ray, MD

The objectives of this session are: (1) to review common prenatal abnormalities of the fetal face; and (2) to review the use of different imaging modalities to evaluate the fetal face.

9:15 AM–9:35 AM
Orbits
Maria Garcia, MD

9:35 AM–9:55 AM
Fetal Cleft Lip and Palate: Improved Accuracy Using Ultrasound and Magnetic Resonance Imaging
Judy Estroff, MD

9:55 AM–10:15 AM
Facial Clefts
Amy Mehollin-Ray, MD

Synthetic Focus Imaging Techniques

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.
Concourse A
Moderator: Mickael Tanter, PhD

This session will give an overview of new focusing methods for advanced ultrasound imaging. These include synthetic aperture ultrasound imaging, plane wave imaging, retrospective focusing, adaptive beam forming, frequency domain beam forming, and dual-stage beam forming, which all break with the conventional single-emission–single-transmit focusing paradigm. After this session, participants will be able to understand the principles behind these new imaging modalities and their relative strengths and weaknesses.

8:15 AM–8:35 AM
Adaptive Beam Forming in Ultrasound
Andreas Austeng, PhD

8:35 AM–8:55 AM
Plane Wave Focusing for Sensitive Flow Imaging
Mickael Tanter, PhD

8:55 AM–9:15 AM
Dual-Stage Beam Forming for Compact Synthetic Aperture Scanning
Martin Hemmsen, PhD

9:15 AM–9:35 AM
Generalized Synthetic Transmit Focusing Techniques
David Napolitano, PhD

SUNDAY MARCH 20TH

9:35 AM–9:55 AM
Synthetic Aperture Focusing Methods
Jorgen Arendt Jensen, PhD

9:55 AM–10:15 AM
Circular Wave Focusing With Integrated Motion Compensation for Cardiac Imaging
Damien Garcia, PhD

The Fetal Abdomen: Beyond the Basics

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.
Grand Ballroom East
Moderator: Beverly Coleman, MD

Because the anatomy of the gastrointestinal tract is less well delineated in the fetus, discrete abnormalities are often poorly appreciated and defined as either "cystic or solid." However, the exact pathologic correlate, as well as significant associations and implications for care, remain undiagnosed. This session will aim to give an image-based review of abnormalities of the fetal gastrointestinal tract, with specific attention to anatomic correlates and associated concerns. On completion of the session, participants will have an understanding of the etiology of both cystic and solid masses of the gastrointestinal tract and how to evaluate them.

8:15 AM–8:35 AM
Atresias: TuBe or Not TuBe—That Is the Question
Anne Kennedy, MD

8:35 AM–8:55 AM
In and Around the Fetal Liver
Beverly Coleman, MD

8:55 AM–9:15 AM
Differential Diagnosis of Abdominal Cysts
Paula Woodward, MD

UGRA Ultrasound-Guided Tendon Procedures: Techniques, Tips, and Tricks

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.
Regent
Moderators: Ron Adler, MD, PhD, Jon Jacobson, MD

The objective of this session is to review different ultrasound-guided percutaneous procedures to treat tendon disorders.

8:15 AM–8:35 AM
Percutaneous Treatment of Calcific Tendinopathy
Corrie Yablon, MD

8:35 AM–8:55 AM
Steroid Injections
Daniel Siegal, MD

8:55 AM–9:15 AM
Tendon Fenestration
Jon Jacobson, MD

9:15 AM–9:35 AM
Platelet-Rich Plasma Injections
Mary Chiavaras, MD, PhD, FRCPC

9:35 AM–9:55 AM
Tenex
Ron Adler, MD, PhD

9:55 AM–10:15 AM
Questions and Answers

10:15 AM–11:00 AM
Basic Science and Instrumentation Community Meeting
Concourse A

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

Complications of Monochorionicity

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.
Grand Ballroom East
Moderators: Anita Moon-Grady, MD, Ruben Quintero, MD

This session is designed to educate attendees about the importance of a diagnosis of monochorionicity, as well as understand the risks and complications unique to these pregnancies.

11:00 AM–11:20 AM
Complications of Monochorionicity: Selective Intrauterine Growth Restriction
Ruben Quintero, MD

11:20 AM–11:40 AM
Cardiovascular Development and Congenital Heart Disease in Monochorionicity Multiples
Anita Moon-Grady, MD

11:40 AM–12:00 PM

They're Not Twin-Twin Transfusion Syndrome, but They're still a Problem: Twin Anemia-Polycythemia Sequence and Twin Reversed Arterial Perfusion Sequence

Russell Miller , MD

12:00 PM–12:20 PM

Twin-Twin Transfusion Syndrome

Anne-Maude Morency, MD

12:20 PM–12:30 PM

Question and Answer

Early Pregnancy: Pregnancy of Unknown Location and Ectopic

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Grand Ballroom West

Moderator: Peter Doubilet, MD, PhD

This session will review diagnostic criteria of early pregnancy failure and pregnancy of uncertain viability, pregnancies of unknown location, and ectopic pregnancy, including 3-dimensional ultrasound.

11:00 AM–11:30 AM

Early Pregnancy: Miscarriage

Carol Benson, MD

11:30 AM–12:00 PM

Cesarean Scar Pregnancy

Ilan Timor-Tritsch, MD

12:00 PM–12:30 PM

Ectopic Pregnancy

Peter Doubilet, MD, PhD

Spectrum of Care and Evaluation of Chronic Venous Insufficiency

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Beekman

Moderator: George Berdejo, BA, RVT

At the completion of this session, participants will be able to perform a directed physical examination of the patient with chronic venous insufficiency (CVI) and understand and predict the common patterns of venous reflux; outline the anatomy and learn the recently new terminology of the superficial and deep venous systems of the abdomen, pelvis, and lower extremities; perform a detailed and relevant preoperative ultrasound evaluation in the patient with CVI; render a final report the findings of the ultrasound evaluation; describe treatment options; and use the ultrasound findings to determine and execute therapy and follow the patient after therapy.

11:00 AM–11:45 AM

Mapping Venous Insufficiency: What the Interventionalist Needs to Know

George Berdej, BA, RVT

11:45 AM–12:30 PM

Endovascular Therapies for Chronic Venous Insufficiency

Roy Fujitani, MD, RVT

Tricks and Physics: How to Improve Your Imaging of the Fetal Heart

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton North

Moderator: Wesley Lee, MD

This session will address the current role of ultrasound in detailed fetal heart assessment. On completion of this session, participants should be able to: (1) differentiate between operator, patient, and platform issues with image optimization; (2) describe differences in necessary settings for grayscale and Doppler (including color) used to assess the heart versus those used in general obstetric scanning; and (3) optimize 3- and 4-dimensional settings for the fetal heart

11:00 AM–11:30 AM

How to Improve Grayscale Images for Cardiac Examination

Alfred Abuhamad, MD

11:30 AM–12:00 PM

How to Improve Doppler Images for Cardiac Examination

Wesley Lee, MD

12:00 PM–12:30 PM

How to Improve 3- and 4-Dimensional Images of the Heart

Lami Yeo, MD

11:00 AM–12:30 PM

Scientific Sessions

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

Basic Science: Tissue Characterization

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Concourse A

Moderator: Katherine Nightingale, MD

11:00 AM–11:30 AM

Luminary Speaker: Katherine Nightingale, MD

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11:30 AM–11:40 AM

2378080 Limitations of the Kramers-Kronig Approximations for Ultrasound Propagation in Soft and Hard Tissue

James Miller, Jonathan Katz*

11:40 AM–11:50 AM

2373262 Coronary Artery Disease Risk Stratification Using Feature Strength in a Machine-Learning Paradigm: A Link Between Coronary and Carotid Ultrasound Plaque Burdens

*Tadashi Araki, Nobutaka Ikeda, Devarshi Shukla, Narendra Londhe, Vimal Kumar Shrivastava, Sumit Banchhor, Luca Saba, Andrew Nicolaides, Shoaib Shafique, John Laird, Jasjit Suri**

11:50 AM–12:00 PM

2382475 Does Soft Tissue Vascularity Influence Elasticity?

Kevin Parker

12:00 PM–12:10 PM

2385301 Acquiring Maps of Attenuation Slope During Thermal Ablation of Ex Vivo Bovine Liver

Kayvan Samimi, Tomy Varghese*

12:10 PM–12:20 PM

2385314 In Vivo Acoustic Radiation Force Impulse Characterization of Human Carotid Atherosclerotic Plaque Composition and Structure

*Tomek Czernuszewic, Jonathon Homeister, Melissa Caughey, Mark Farbe, Joseph Fulton, Peter Ford, William Marston, Raghuveer Vallabhaneni, Timothy Nichols, Caterina Gallippi**

12:20 PM–12:30 PM

Question and Answer

Breast Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Regent

Moderator: Gary Whitman, MD

11:00 AM–11:30 AM

Luminary Speaker: Gary Whitman, MD

11:30 AM–11:37 AM

2385274 Screening Ultrasound in New York State: Three Years of Experience Screening Women with Dense Breast Tissue

Stamatia Destounis

11:37 AM–11:44 AM

2385255 New York State Breast Density Mandate: Follow-up Data for Screening Ultrasound and Breast Cancer Detection

Stamatia Destounis

11:44 AM–11:51 AM

2385774 Characterizing Breast Microcalcifications Using a New Ultrasound Image-Processing Technique

Priscilla Machado, Maria Stanczak, John Eisenbrey, Barbara Cavanaugh, Lisa Zorn, Flemming Forsberg*

11:51 AM–11:58 AM

2385746 Breast Ultrasound Tomography: A Clinical Study

Lianjie Huang, Junseob Shin, Youzuo Lin, Ting Chen, Kai Gao, Kenneth Hanson*

11:58 AM–12:05 PM

2384877 Fusion of Computed Tomographic (CT) and Sonographic Images for Breast Cancer Evaluation Using Real-time Virtual Sonography With CT Navigation

Tsun-Hou Chang, Hsian-He Hsu*

12:05 PM–12:12 PM

2381756 Subharmonic Pressure Estimation in Breast Tumors: Calibration and Treatment

Valgerdur Halldorsdottir, Jaydev Dave, Andrew Marshall, Anya Forsberg, Priscilla Machado, Traci Fox, Ji-Bin Liu, John Eisenbrey, Flemming Forsberg*

12:12 PM–12:19 PM

2385253 Four-Dimensional Subharmonic Contrast Imaging for Monitoring Neoadjuvant Chemotherapy of Breast Cancer

Flemming Forsberg, Maria Stanczak, Elizabeth Hsu, Anush Sridharan, Adam Berger, Tiffany Avery, John Eisenbrey*

12:19 PM–12:30 PM

Question and Answer

Contrast-Enhanced Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Concourse G

Moderator: Andrej Lyshchik, MD, PhD

11:00 AM–11:15 AM

Introduction

11:15 AM–11:22 AM

2363290 Contrast-Enhanced Transrectal Ultrasound of the Prostate With Whole-Mount Prostatectomy Correlation: Analysis of Racial Differences

Ethan Halpern, Edouard Trabulsi*

11:22 AM–11:29 AM

2381002 Size Measurements of Hepatocellular Carcinoma: Comparisons Between Contrast and 2-Dimensional Ultrasound

Fei Wang, Zheng Liu, Mei Zhu, Fei Chen, Wenhong Gao*

11:29 AM–11:36 AM

2381690 Characterization of Pancreatic Masses With Subharmonic and Endoscopic Contrast Ultrasound

Flemming Forsberg, Maria Stanczak, Andrej Lyshchik, David Loren, Patrick O'Kane, Ali Siddiqui, Thomas Kowalski, Cynthia Miller, Traci Fox, Ji-Bin Liu, John Eisenbrey*

11:36 AM–11:43 AM

2382015 Preliminary Clinical Application of Contrast-Enhanced Ultrasound Using a High-Frequency Linear Probe in the Detection of Small Colorectal Liver Metastases

*Qin Si, Guangjian Liu**

11:43 AM–11:50 AM

2383496 Double Contrast-Enhanced Ultrasound for Diagnosis of Gastric Subepithelial Tumors

Man Lu

11:50 AM–11:57 AM

2384518 Dynamic Contrast-Enhanced Ultrasound and Elastography for Assessing Deltoid Muscle Integrity After Reverse Shoulder Arthroplasty

Christian Fischer, Daniel Krammer, Thomas Bruckner, Martin Krix, Marc-André Weber, Gerhard Schmidmaier, Andreas Hug, Felix Zeifang*

11:57 AM–12:04 PM

2384901 Contrast-Enhanced Ultrasound in Small Indeterminate Renal Lesions

Jessica Zarzour, Janelle West, Eric Turner, Bradford Jackson, Mark Lockhart, Michelle Robbin*

12:04 PM–12:11 PM

2385019 Preoperative Tumor Studies Using Contrast-Enhanced Ultrasonography in Patients With Clinically Suspected Insulinoma

Miaomiao Zhang

12:11 PM–12:18 PM

2385711 Value of Contrast-Enhanced Ultrasonography in Confident Diagnosis of Ovarian Torsion: Initial Experience

Shenaz Momin, Asif Momin*

12:18 PM–12:25 PM

2385754 Value of Ultrasound Contrast Agents in the Diagnosis of Endoleaks in Patients With Abdominal Aortic Aneurysms Treated With Stent Graft Implantations

Anna Drelich-Zbroja, Tomasz Jargiello, Michal Sojka, Malgorzata Szczerbo-Trojanowska*

General, Abdominal, and Interventional-Intraoperative Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton South

Moderator: Nirvikar Dahiya, MD

11:00 AM–11:07 AM

2351545 Ultrasound of Human Papillomavirus Cancers in the Base of the Tongue and Tonsils

M. Robert De Jong, Carole Fakhry, Stephanie Coquia, Marianna Holman, Ulrike Hamper*

11:07 AM–11:14 AM

2376078 Sonographic Appearance of Topical Hemostatic Agents With Computed Tomographic and Magnetic Resonance Imaging Correlation and Long-term Follow-up

Brett Walker, Howard Heller, Cheryl Sadow, Mary Frates*

11:14 AM–11:21 AM

2380816 Gallstone Prevalence in the Ngobe Population

Leigh Goodrich, Michael Butler, Logan Woodhouse, Jillian Gottlieb, Roxanne Talamayan-Pascua, Nicole Salame, Ivy Ewald, Marie-Claire Matsuo, Anna-Marie Hosking, Alyssa Velasco*

11:21 AM–11:28 AM

2381102 What's All the Noise About? Detecting Post-Transplant Hepatic Vein Stenosis With Doppler Ultrasound Versus Venography

Sara Plett, David Valenzuela, Nicholas Fidelman, Andrew Taylor, Kanti Kolli, Evan Lehrman, Jeanne Laberge, Robert Kerlan, Vickie Feldstein, Maureen Kohi*

11:28 AM–11:35 AM

2384546 Evaluation of Gastric Accommodation: Comparison of 3-Dimensional Ultrasound and Magnetic Resonance Imaging of Gastric Volumes

Wijnand Buisman

SUNDAY MARCH 20TH

11:35 AM–11:42 PM

2385053 Characterization of Renal Angiomyolipomas by Quantitative Sonography

Anil Chauhan, Laith Sultan, Peiman Habibollahi, Chandra Sehgal*

11:42 PM–11:49 PM

2384147 Value of Contrast-Enhanced Ultrasound-Guided Percutaneous Biopsy in Anterior Mediastinum Lesions

Yi Dong, Wen-Ping Wang, Feng Mao, Zheng-Biao Ji*

11:49 PM–11:56 PM

2379078 Ex Vivo Ultrasound Margin Assessment in Basal Cell Carcinoma: Initial Experience in 30 Cases

Fernando Alfageme, Eugenio Cerezo, Lola Suarez, Irene Salgüero, Rita Cabeza, Gaston Roustan*

11:56 PM–12:03 PM

2345160 Study of Ultrasound-Guided Needle Aspiration and Catheter Drainage in the Management of Liver Abscesses

Rohit Bhoil, Mukesh Surya, Y. Sharma*

12:03 PM–12:30 PM

Question and Answer

New Investigator Session

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Mercury Ballroom

Moderator: Phyllis Glanc, MDCM, BSc, FRCPR, Chandra Sehgal, PhD

11:00 AM–11:07 AM

2380297 Structure Function for Quantitative Ultrasound Tissue Characterization

Aiguo Han, William O'Brien Jr

11:07 AM–11:14 AM

2380144 Revisiting Cardiac Chamber Discrepancy in the Prenatal Diagnosis of Coarctation of the Aorta

Suguna Ganesan, Darren Hutchinson, Bryn Jones, Nicole Woodrow*

11:14 AM–11:21 AM

2385462 High-Frequency Photoacoustic Characterization of Ex Vivo Lymph Nodes of Colorectal Cancer Patients

Emi Saegusa-Beecroft, Ashwin Sampathkumar, Jonathan Mamou, Junji Machi, Ernest Feleppa*

11:21 AM–11:28 AM

2388520 A Novel Semiautomated Fractional Limb Volume Tool for Rapid and Reproducible Fetal Soft Tissue Assessment

Lauren Mack, Sung Yoon Kim, Sungmin Lee, Haleh Sangi-Haghpeykar, Wesley Lee*

11:28 AM–11:35 AM

2380297 Structure Function for Quantitative Ultrasound Tissue Characterization

Aiguo Han, William O'Brien Jr*

11:35 AM–11:42 AM

2379335 Uterocervical Angle: A Novel Ultrasound Marker to Predict Spontaneous Preterm Birth

Margaret Dziadosz, Terri-Ann Bennett, Cara Dolin, Annie Honart, Sarah Lee, Sarah Pivo, Ashley Roman*

11:42 AM–11:49 AM

2377746 Uterocervical Angle Measurement Improves Prediction of Cerclage Failure

Jordan Knight, Jessica Sheng, Frank Schubert, Avinash Patil*

11:49 AM–11:56 AM

2382415 Comb-Push Shear Elastography on a Clinical Ultrasound Machine: First Report on Differentiation of Breast Masses

Mahdi Bayat, Max Denis, Adriania Gregory, Mohammad Mehrmohammadi, Duane Meixner, Robert Fazzio, Mostafa Fatemi, Azra Alizad*

11:56 AM–12:03 PM

2347629 Effect of Fabrication Methods on the Acoustic Properties of Encapsulated Oxygen Microbubbles

Rawan Shraim, Margaret Wheatley, Patrick O'Kane, Flemming Forsberg, John Eisenbrey*

12:03 PM–12:10 PM

2384956 Comparison of 3-Dimensional Strain Volume Reconstructions Using Sheaf of Ultrasound Planes and Wobbler-Based Acquisitions

Wenjun Yang, Atul Ingle, Tomy Varghese*

12:10 PM–12:17 PM

2381525 Monitoring Microwave Ablation Treatments for Hepatocellular Carcinoma Using Electrode Displacement Ultrasound Elastography

Wenjun Yang, Marci Alexander, Kelly Wergin, Nicholas Rubert, Atul Ingle, Meghan Lubner, Timothy Ziemlewicz, James Hinshaw, Shane Wells, Fred Lee Jr, James Zagzebski, Tomy Varghese*

12:17 PM–12:24 PM

2383721 Effect of Percutaneous Ultrasound-Guided Subacromial Bursography With Microbubbles for Assessment of Rotator Cuff Tears

Xueqing Cheng

12:24 PM– 12:30 PM

2384897 Recipient Umbilical Artery Elongation in Twin-Twin Transfusion Syndrome (TTTS)

Roopali Donepudi, Lovepreet Mann, Christoph Wohlmuth, Kenneth Moise, Saul Snowise, Yisel Morales, Anthony Johnson, Michael Bebbington, Helena Gardiner, Ramesha Papanna*

Obstetric Ultrasound: New Techniques

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Nassau

Moderator: Jude Crino, MD

11:00 AM–11:15 AM

Luminary Speaker: Jude Crino, MD

11:15 AM 11:22 AM

2380504 Elastography of the Postpartum Perfused Human Placenta

Stephen McAleavey, Kevin Parker, Juvenal Ormachea, Ronald Wood, Christopher Stodgell, Philip Katzman, Richard Miller*

11:22 AM–11:29 AM

2362569 Fetal Adrenal Gland Size and Ability to Predict Spontaneous Term Labor

Alexis Gimovsky, Matthew Hoffman, Philip Shlossman*

11:29 AM–11:36 AM

2376552 HDlive Silhouette Mode in Antenatal Diagnosis of Intestinal Abnormalities

Mohamed AboEllail, Kenta Yamamoto, Megumi Ishibashi, Masato Mashima, Hirokazu Tanaka, Toshiyuki Hata*

11:36 AM–11:43 AM

2380956 Uterocervical Angle: A Novel Ultrasound Marker to Assess Risk for Spontaneous Preterm Birth in Twins

Margaret Dziadosz, Terri-Ann Bennett, Cara Dolin, Annie Honart, Sarah Lee, Sarah Pivo, Ashley Roman*

11:43 AM–11:50 AM

2381556 Effect of Preeclampsia on Umbilical Vein Blood Volume Flow in a Limited Cohort

Stephen Pinter, Oliver Kripfgans, Marjorie Treadwell, Anna Kneitel, J. Brian Fowlkes, Jonathan Rubin*

11:50 AM–11:57 AM

2384611 The Role of the First-Trimester Maxillary Gap in a Series of 4 Cases in Lebanon

Reem Abu-Rustum, Nabil Helou, M. Fouad Ziade*

11:57 AM–12:04 PM

2384672 The Role of Adjunct Ultrasound Parameters During Antepartum Testing: The Doppler Cerebroplacental Ratio Versus the Amniotic Fluid Deepest Vertical Pocket

Kareem Tabsh, Wanchi Zeng, Greggory DeVore*

12:04 PM–12:11 PM

2384939 The Value of Second-Trimester Crown-Rump Length Measurement in the Diagnosis of Skeletal Dysplasia

Karla Leavitt, Alberto de la Vega, Komal Bajaj*

12:11 PM–12:18 PM

2385788 A novel Technique to Assess the Uterine Cervix: 3-Dimensional Sphere Application

Nicole Smith, Caroline Rouse, David Cantonwine, Sarah Easter, Thomas Shipp*

12:18 PM–12:30 PM

Question and Answer

Point-of-Care Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Trianon

Moderator: Arun Nagdev, MD

11:00 AM–11:07 AM

2384610 Computerized Detection of Abdominal Free Fluid in Focused Assessment With Sonography for Trauma Exams: A Pilot Study

Anna Sjogren, Megan Leo, Joseph Gwin*

11:07 AM–11:14 AM

2384751 Sonographic Carotid Corrected Flow Time Measurement to Assess Hydration Status in Prolonged Fasting

Hamid Shokoohi, Grant Berry, Jordan King, Jackson King, Murteza Shahkolahi, Ameneh Poshtmashad, Mohammad Salimian, Ali Pourmand*

11:14 AM–11:21 AM

2385176 Risk Factors for Isolated Femoral and Deep Femoral Vein Thromboses

Jason Fields, Shruti Chandra, Julie Gianakon, Kunal Desai, Arthur Au*

11:21 AM–11:28 AM

2385209 How Does Clinical Ultrasound Affect the Patient-Physician Relationship?

Jason Fields, Julie Gianakon, Carl Alsup, Kunal Desai, Arthur Au*

SUNDAY MARCH 20TH

11:28 AM–11:35 AM

2385349 Corrected Flow Time: A Noninvasive Ultrasound Measure to Detect Preload Reduction by Nitroglycerin

Joseph Pare, Rachel Liu, Christopher L. Moore, Basmah Safdar*

11:35 AM–11:42 AM

2385428 Emergency Medicine Physician–Performed Transesophageal Echocardiography in Simulated Cardiac Arrest

Donald Byars, David Evans, Turan Kayagil, Matt Jones, Michael Vitto, Jordan Tozer, Michael Joyce*

11:42 AM–11:49 AM

2385477 Three-Window Point-of-Care Ultrasound Confirmation of Correct Endotracheal Tube Placement

Shadi Lahham, Elizabeth Turner, Sean Wilson, Marc Rosen, Arthur Youssefian, Mohammed Subeh, Craig Anderson, J. Christian Fox*

11:49 AM–11:56 AM

2385846 Medical Student–Performed Point-of-Care Ultrasound: The Effect on Patient Satisfaction in the Emergency Department

Logan Villarreal, Deanna Lo, Andrew Sumnicht, Stephanie Gondra-Sanabria, Daniel Sebastian Udrea, Richard Chyan, Vi Am Dinh*

11:56 AM–12:03 PM

2382868 Lung Ultrasound for Evaluating Acute Chest Syndrome in Pediatric Patients With Sickle Cell Disease: So Easy Even a Medical Student Can Do It!

Stephanie Cohen, Zayir Malik, Robert Hagbom, Adina Alazraki, Courtney McCracken, April Zmitrovich, Claudia Morris*

12:03 PM–12:10 PM

2385154 Does Carotid Intima-Media Thickening Predict a Negative Stress Test in Low-Risk Chest Pain?

Matthew Tabbut

12:10 PM–12:30 PM

Question and Answer

Ultrasound in Medical Education

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton Center

Moderators: David Bahner, MD, RDMS
Charlotte Henningsen, MS, RT, RDMS, RVT

11:00 AM–11:15 AM

Luminary Speaker: David Bahner, MD, RDMS

11:15 AM–11:22 AM

2349408 Multidisciplinary Ultrasound Leadership Training Initiative: Comprehensive Evaluation of a Novel Near-Peer Medical Student Ultrasound Training Program

Daniel Francescon, David Way, Tyler Dschaak, David Bahner*

11:22 AM–11:29 AM

2383966 Does an Integrated Undergraduate Medical Ultrasound Program Enhance Medical Student Recruitment?

Felicia Toreno, Craig Goodmurphy, Barry Knapp, Donald Byars, Frank Lattanzio*

11:29 AM–11:36 AM

2384041 Medical Student Perceived Value of Ultrasound Education During the First Year of Medical School

Felicia Toreno, Craig Goodmurphy, Barry Knapp, Donald Byars, Frank Lattanzio*

11:36 AM–11:43 AM

2384071 Pair Scanning: Integrating the Student Sonographer Without Impacting Patient Care

Marcia Docherty, Kathleen Foran, Susan Burnett-Roy*

11:43 AM–11:50 AM

2384600 Midwifery Students' Perceptions of the Importance of Ultrasound in Medical Education in Lebanon

Reem Abu-Rustum, M. Fouad Ziade*

11:50 AM–11:57 PM

2385125 Comparison of Third-Year Medical Students Using Vscan Handheld Ultrasound With Obstetric Sonographers for Determination of Biparietal Diameter and Fetal Lie in Obstetric Patients

*Felicia Toreno, Barry Knapp, Craig Goodmurphy, Donald Byars, Khaled Sakhel**

11:57 PM–12:04 PM

2385197 Collaboration Between Eastern Virginia Medical School (EVMS) and the Diagnostic Medical Sonography Program at Tidewater Community College in the Implementation of Ultrasound Into the Medical School Curriculum at EVMS

Felicia Toreno, Barry Knapp, Craig Goodmurphy, Donald Byars, Frank Lattanzio, Indu Sharma*

12:04 PM–12:11 PM

2385233 Does the Addition of an Integrated Cardiac Ultrasound Curriculum to the M1 and M2 Years of Medical Education Enhance Comprehension of Cardiac Physiology and Pharmacology?

Felicia Toreno, Frank Lattanzio, Craig Goodmurphy, Barry Knapp, Donald Byars*

12:11 PM–12:30 PM
Question and Answer

12:30 PM–1:30 PM
Fetal Echocardiography Community Meeting
Sutton North

Point-of-Care Ultrasound Community Meeting
East

12:30 PM–3:30 PM
Finance and Executive Committee Meeting
Hilton Board Room

12:30 PM–1:30 PM
Lunch in the Exhibit Hall
Americas Hall I

1:30 PM–2:00 PM
Special Interest Sessions

Measuring Cells, Proteins, and Ions With Photoacoustic Ultrasound; Smart Contrast Agents for In Vivo
Jesse Jokerst, PhD Imaging

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

Advances in Photoacoustic Imaging
Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.
Concourse G
Moderators: Jesse Jokerst, PhD, Terri Swanson, MA
Participants will learn about cutting-edge science in photoacoustic imaging, including preclinical studies and translational end points.

1:30 PM - 2:00 PM
Measuring Cells, Proteins, and Ions With Photoacoustic Ultrasound; Smart Contrast Agents for In Vivo Imaging
Jesse Jokerst, PhD

2:00 PM–2:30 PM
Clinical Opportunities for Photoacoustic Ultrasonic Imaging
Richard Bouchard, PhD

2:30 PM–3:00 PM
New Biomarkers in Photoacoustic Imaging
John Eisenbrey, MD

3:00 PM–3:30 PM
Photoacoustic Imaging in Head and Neck Oncology
Mukund Seshadri, DDS, PhD

Double Jeopardy: An Audience Participation Imaging Game
Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.
Grand Ballroom East
Moderator: Phyllis Glanc, MD
Creative teaching techniques engage students, stimulate participation, and sustain their interest. Since ultrasound is a visually driven specialty, supplemental learning via an interactive session with audience participation enhances the academic environment. This session will be a question-and-answer session based on a quiz show format, using diagnostic images of obstetric complications or abnormalities. Immediate response/feedback allows participants to gauge their competence relative to other participants and identify areas for improvement.

1:30 PM–3:30 PM
Obstetric and Gynecologic Jeopardy and Challenging and Life-Threatening Situations
Ivan Diamond, MD, Phyllis Glanc, MDCM, BSc, FRCPC, Joan Mastrobattista, MD

SUNDAY MARCH 20TH

Elastographic Imaging Application and Uses: Part 2

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton Center

Moderator: Richard Barr, MD, PhD

This session will provide an update on state-of-the-art elastography. The emphasis will be on techniques already shown to be of clinical value.

1:30 PM–1:40 PM
Introduction

1:40 PM–2:25 PM
Thyroid Elastography Update
Manjiri Dighe, MD

2:35 PM–3:20 PM
Prostate Biopsy Update
Richard Barr, MD, PhD

Hands-on How to Do the Biopsy: From Simple to Sophisticated

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Rendenzvous Trianon

Moderator: Dean Nakamoto, MD

Faculty: Nami Azar, MD, Devang Butani, MD, Wui Chong, MD, Stephanie Coquia, MD, Vikram Dogra, MD, Ghazle Hamad, MD, Gowthaman Gunabushanam, MBBS, Ulrike Hamper, MD, Andrej Lyshchik, MD, PhD, Dean Nakamoto, MD, Erik Paulson, MD, Margarita Revzin, MD, Michelle Robbin, MD, MS, Joaquin Santolaya, MD, PhD

This session will teach individuals across all disciplines how to set up procedures and perform biopsies, also incorporating new technologies in biopsy guidance.

1:30 PM–1:45 PM
Introduction to Procedures
Devang Butani, MD

1:45 PM–2:00 PM
Tips and Tricks for Ultrasound-Guided Procedures
Gowthaman Gunabushanam, MBBS

Journal Club: Recently Published Articles That Have Shaped the Practice of General and Abdominopelvic Ultrasound

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton South

Moderator: Mark Lockhart, MD, MPH

Faculty: Sanjeev Bajaj, MD, Corinne Deurdulian, MD

This session will involve a brief summary of recently published journal articles (approximately 4 or 5) on "hot" topics by invited speakers with subsequent audience discussion/questions. The speakers will prepare brief summaries of hot topics of their choice and lead an audience discussion and question-and-answer period for 30 minutes. At the conclusion of this activity, participants should be able to evaluate results and conclusions presented in recently published journal articles on hot topics.

SAMs Pediatric Oncologic Ultrasound: Liver, Renal, and Retroperitoneal Tumors

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits, and SAMs Credits.

Sutton North

Moderator: Leann Linam, MD

After this session, participants should be able to identify the sonographic appearance of common pediatric tumors involving the liver, kidneys, and retroperitoneum.

1:30 PM–2:10 PM
Pediatric Liver Tumors
Harriet Paltiel, MD

2:10 PM–2:50 PM
Pediatric Renal Tumors
Geetika Khanna, MD, MS

2:50 PM–3:30 PM
Pediatric Retroperitoneal Tumors
Carlos Sivit, MD

Sonographic Evaluation of Acute Musculoskeletal Complaints

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Trianon

Moderator: Srikar Adhikari, MD, MS

The objectives of this session are: (1) to review sonographic findings associated with acute musculoskeletal conditions, including fractures, dislocations, joint effusions, ligament pathology, tendon injuries, and tenosynovitis; (2) to discuss sonography of inguinal hernias and popliteal cysts; (3) to review ultrasound-guided interventional techniques; and (4) to discuss limitations of ultrasound in musculoskeletal evaluations. After this session, participants should be able to integrate ultrasound in the assessment of musculoskeletal symptoms in acute care settings and perform musculoskeletal ultrasound-guided procedures.

1:30 PM–2:10 PM

Hernias, Joint Effusions, Bursitis, and Cysts

Levon Nazarian, MD

2:10 PM–2:50 PM

Acute Care Musculoskeletal Ultrasound

Romolo Gaspari, MSc, MD, PhD

2:50 PM–3:30 PM

Musculoskeletal Ultrasound: Techniques, Pearls, and Pitfalls

Randy Moore, DC, RDMS, RMSK

Transcranial Doppler Application and Interpretation in Brain Injury and Disease

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.

Beekman

Moderator: Charles Tegeler IV, MD

This session will provide techniques using transcranial Doppler ultrasound in cerebrovascular diseases, with special emphasis on evaluation of the traumatic brain, embolus detection, and stroke.

2:30 PM–2:50 PM

Embolus Detection: Transcranial Doppler and Case Presentations

Zsolt Garami, MD

2:50 PM–3:10 PM

Transcranial Doppler Sonography in Traumatic Brain Injury

Charles Tegeler IV, MD

3:10 PM–3:30 PM

Transcranial Doppler Interpretation: Brain Death, Stroke, Neonatal Intensive Care Unit, and Critical Monitoring

Andrei Alexandrov, MD, RVT

Transcranial Doppler Basics and Notes for Stroke

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Regent

Moderator: Tatjana Rundek, MD, PhD

This session will provide an overview of the use of ultrasound in cerebrovascular diseases, with special emphasis on neurovascular ultrasound in adult patients with sleep complications.

1:30 PM–2:10 PM

Sleep and Cerebrovascular Disease: Role of Neurosonology

Tatjana Rundek, MD, PhD

2:10 PM–2:50 PM

Transcranial Doppler Ultrasound: Adult Basic and Advances

Tatjana Rundek, MD, PhD

2:50 PM–3:30 PM

Transcranial Color Doppler Ultrasound in Neurologic Disorders Using Contrast Agents

Eva Bartels, MD, PhD

4:00 PM–5:30 PM

Special Interest Sessions

UGRA Hands-on Knee and Ankle Ultrasound, Including Regional Peripheral Nerves (Sold out)

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Rendezvous Trianon

Moderators: Daniel Siegal, MD, Alberto Simoncini, MD

Faculty: Ron Adler, MD, PhD, Joseph Craig, MB, ChB, Nicholas Nacey, MD, Jennifer Pierce, MD, Humberto Rosas, MD, Daniel Siegal, MD, Alberto Simoncini, MD, Corrie Yablon, MD, Andrew Zbojniewicz, MD

At the completion of this session, participants will have gained hands-on experience in scanning the knee and ankle, including the regional peripheral nerves.

SUNDAY MARCH 20TH

Point-of-Care Ultrasound: Recent Advances in Research and Technology

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton South

Moderator: Andrew Liteplo, MD

The objectives of this session are: (1) to review the top 10 point-of-care ultrasound articles of 2015 in a point-counterpoint format; (2) to summarize social media point-of-care ultrasound updates and controversies and cutting-edge knowledge on tap; and (3) to discuss the most recent point-of-care ultrasound technology, including the handheld portable ultrasound devices, and smartphone ultrasound devices and their impact on patient care, work flow, training, and education.

4:00 PM–4:30 PM

Pearls From the Recent Point-of-Care Ultrasound Literature

Turan Saul, MD

4:30 PM–5:00 PM

Pearls From the Recent Point-of-Care Ultrasound Literature

Andrew Liteplo, MD

5:00 PM–5:30 PM

Recent Advances in Point-of-Care Ultrasound Technology

Lori Stolz, MD

Unknown Cases Film Panel

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Beekman

Moderators: Vikram Dogra, MD, Salvatore LaRusso, MEd, RDMS, RT(R) Marjorie Stein, MD

The objective of this session is to challenge the participants with unknown cases. at the conclusion of this activity, participants should be able to analyze an unusual, interesting case and describe findings.

4:00 PM–5:30 PM

Scientific Sessions

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

Elastography

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton Center

Moderator: Shigao Chen, PhD

4:00 PM–4:07 PM

2385532 Shear Wave Elastography for Liver Fibrosis Staging: Validating Cutoff Values for ≥F2 Fibrosis

Manish Dhyani, Joseph Grajo, Changtian Li, Atul Bhan, Raymond Chung, Anthony Samir*

4:07 PM–4:14 PM

2376985 Performance of 2-Dimensional Ultrasound Shear Wave Elastography in Liver Fibrosis Detection Using Magnetic Resonance Elastography as the Reference Standard: A Pilot Study

Pengfei Song, Daniel Mellema, Shannon Sheedy, Duane Meixner, Ryan Karshen, Matthew Urban, Armando Manduca, William Sanchez, Matthew Callstrom, James Greenleaf, Shigao Chen*

4:14 PM–4:21 PM

2379753 Pediatric Cardiac Shear Wave Elastography: A Pilot Study on Healthy Controls

Pengfei Song, Xiaojun Bi, Daniel Mellema, Armando Manduca, Matthew Urban, Patricia Pellikka, Shigao Chen, James Greenleaf*

4:21 PM–4:28 PM

2369615 Correlation of Cognitive Function With Strain Indices for Assessing Carotid Plaque Instability

Nirvedh Meshram, Xiao Wang, Daren Jackson, Carol Mitchell, Tomy Varghese, Stephanie Wilbrand, Bruce Hermann, Robert Dempsey*

4:28 PM–4:35 PM

2381340 Strain-Based Vascular Biomarkers for Classification of Patients With Cognitive Impairment

Xiao Wang, Daren Jackson, Carol Mitchell, Tomy Varghese, Stephanie Wilbrand, Brandon Rocque, Bruce Hermann, Robert Dempsey*

4:35 PM–4:42 PM

2383351 Effect of Various Technical and Patient-Related Factors on the Success Rate of Acoustic Radiation Force Impulse Elastography in Patients With Morbid Obesity

Anil Chauhan, Chandra Sehgal, Kristoffel Dumon, Noel Williams, Andy Milkowski, Christopher Neylan*

4:42 PM–4:49 PM

2384949 Limitations and Artifacts in the Use of Shear Wave Elastography in the Liver

Matthew Bruce, Giovanna Ferraioli, Orpheus Kolokythas, Dighe Manjiri*

4:49 PM–4:56 PM

2385195 Shear Wave Elastography of the Liver: The Optimal Minimum Measurement Number for Different Fibrosis Stages—A Prospective Study

Qian Li, Manish Dhyani, Anthony Samir*

4:56 PM–5:03 PM

2385742 Identifying Clinically Significant Prostate Cancers Using 3-Dimensional In Vivo Acoustic Radiation Force Impulse Imaging With Whole-Mount Histologic Validation

*Mark Palmeri, Tyler Glass, Zachary Miller, Stephen Rosenzweig, Andrew Buck, Thomas Polascik, Rajan Gupta, Alison Brown, John Madden, Kathryn Nightingale**

5:03 PM–5:10 PM

2385755 Comparison of the Accuracy of Prostate Biopsy Guided by Grayscale Ultrasound and Real-time Elastography in Patients Selected by Different Methods of Assessing Prostate-Specific Antigen in the Diagnosis of Prostate Cancer

Claudia Silva, David Shigueoka, Sergio Ajzen*

5:10 PM–5:17 PM

2385768 The Value of Shear Wave Elastography to Differentiate Benign From Malignant Thyroid Nodules

Lucy Kerr, David Torrico*

5:17 PM–5:30 PM

Question and Answer

Gynecologic Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Nassau

Moderator: Arthur Fleischer, MD

4:00 PM–4:15 PM

Luminary Speaker: Arthur Fleischer, MD

4:15 PM–4:22 PM

2346589 Real-time Transvaginal Ultrasound Observation of Fallopian Tube Peristalsis in Patients With Acute Pelvic Inflammatory Disease

Ronald Wachsberg

4:22 PM–4:29 PM

2374066 Correlation Between Transperineal Ultrasound and Urodynamic Findings in Patients With Lower Urinary Tract Symptoms After Midurethral Sling Placement

Peter Takacs, Kindra Larson, Lauren Scott, Tina Cunningham, Alfred Abuhamad*

4:29 PM–4:36 PM

2374870 Emergency Department Utilization of Pelvic Ultrasound and Computed Tomographic Studies in Women Presenting With Lower Abdominal or Pelvic Pain

Natalie Adams, Dale Stovall, Virginia Stewart*

4:36 PM–4:43 PM

2383686 HDlive Flow With HDlive Silhouette Mode for Diagnosis of Uterine Disorders

Kenta Yamamoto, Mohamed AboEllail, Tamaki Tanaka, Masato Mashima, Emiko Nitta, Kenji Kanenishi, Toshiyuki Hata*

4:43 PM–4:50 PM

2384737 Surgical Correction of Uterine Subseptations Reestablishes Standard Uterine Cavity Measurements

Laura Detti, Mary Christiansen*

4:50 PM–4:57 PM

2388879 A Tale of Two Hospitals

*Ixora Atan, Jessica Hall, Susanne Langer, Ka Shek, Hans Dietz**

4:57 PM–5:04 PM

2388952 Normal Values of Anal Sphincter Biometry by 4-Dimensional Pelvic Floor Ultrasound

*Julie Magpoc, Ixora Atan, Hans Dietz**

5:04 PM–5:11 PM

2388999 Does Patient Posture Affect Sonographic Evaluation of Pelvic Organ Prolapse?

*Meirav Braverman, Friyan Turel, Talia Friedman, Ixora Atan, Hans Dietz**

5:11 PM–5:18 PM

2392508 Translabial Ultrasound for the Assessment of Pelvic Floor Injury in Women Who Used a Novel Semiautomated Pelvic Floor Dilator During Active Labor

Susan Ramin, Francisco Orejuela, Wesley Lee, Rajshi Gandhi, Lauren Mack, Hans Dietz*

5:18 PM–5:25 PM

2385262 Heterotopic Pregnancy: Case Series and Review of the Literature

*Usha Verma, Juliana Martins**

SUNDAY MARCH 20TH

High-Frequency and Contrast-Enhanced Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Concourse G

Moderator: Jonathan Mamou, PhD

4:00 PM–4:30 PM

Luminary Speaker: Michael Kolios, PhD

4:30 PM–4:40 PM

2380525 Acoustic Impedance of Bowman's Layer as a Possible Indication of Keratoconus

Raksha Urs, Timothy Archer, Dan Reinstein, Ronald Silverman*

4:40 PM–4:50 PM

2384224 Twenty-Megahertz Coherent Compound Plane Wave Imaging of the Eye

Ronald Silverman, Raksha Urs, Daniel Gross, Jeffrey Ketterling*

4:50 PM–5:00 PM

2385414 Handheld Real-time 20-MHz Ophthalmic Imaging With an Annular Array

Jeffrey Ketterling, Daniel Gross, Jonathan Mamou, Kathleen Smith, Quan Hoang, Ronald Silverman*

5:00 PM–5:10 PM

2385719 Molecular Imaging With Dual-Targeted Microbubbles for Characterization of Sentinel Lymph Nodes

Kartikeya Puranik, Maria Stanczak, Flemming Forsberg, Ji-Bin Liu, John Eisenbrey, Andrej Lyshchik*

5:10 PM–5:20 PM

2381914 Effect of Pulse Shaping on Subharmonic-Aided Pressure Estimation

Ipshita Gupta, John Eisenbrey, Maria Stanczak, Anush Sridharan, Jaydev Dave, Ji-Bin Liu, Christopher Hazard, Xinghua Wang, Ping Wang, Huiwen Li, Kirk Wallace, Flemming Forsberg*

5:20 PM–5:30 PM

Question and Answer

Pediatric Ultrasound and Neurosonology

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton North

Moderator: Rob Goodman, MD, BCHir

4:00 PM–4:10 PM

Introduction

4:10 PM–4:20 PM

2367190 Validation of a Low-Cost Optic Nerve Sheath Phantom: An Educational Tool

David Murphy, Stephanie Oberfoell, Andrew French, Stacy Trent, David Richards*

4:20 PM–4:30 PM

2384790 Fetal Intracranial Magnetic Resonance Imaging in Complicated Monochorionic Multiple Gestations Undergoing In Utero Therapy

Sherelle Laifer-Narin, Russell Miller, Lynn Simpson*

4:30 PM–4:40 PM

2373783 Sonographic Detection of Accessory Adrenal Tissue in Neonates

Daniel Mordechay, Aviva Ben-Shlush , Lisa Raviv-Zilka , Jeffrey Jacobson, Michelle Soudack*

4:40 PM–4:50 PM

2380220 The Hair Follicle Sign: An Ultrasound Finding to Help Make the Diagnosis of Pilomatricomas in Children

Anand Majmudar, Louis Parvey, Harris L. Cohen*

4:50 PM–5:00 PM

2384900 Accuracy of Point-of-Care Lung Ultrasonography for Diagnosis of Acute Chest Syndrome in Pediatric Patients With Sickle Cell Disease and Fever

Dina Daswani, Vaishali Shah, Jeffrey Avner, Deepa Manwani, Jessica Kurian, Joni Rabiner*

5:00 PM–5:10 PM

2385835 Likelihood of Thyroid Cancer in Children

Hope Peters, Danielle Richman, Stephen Huang, Peter Doubilet, Carol Benson, Mary Frates*

5:10 PM–5:30 PM

Question and Answer

4:00 PM–5:30 PM

Obstetric Ultrasound Community Meeting

Trianon

Monday, March 21, 2016

Day at a Glance

6:30 AM–3:30 PM	Convention Registration Open
7:00 AM–8:00 AM	Special Interest Sessions
8:15 AM–11:00 AM	Board of Governors Meeting
8:15 AM–10:15 AM	Special Interest Sessions
9:30 AM–1:30 PM	Exhibit Hall Open
	E-Posters Open for Viewing
10:15 AM–11:00 AM	High-Frequency Clinical and Preclinical Imaging Community Meeting
11:00 AM–12:30 PM	Special Interest Sessions
	Scientific Sessions
12:30 PM–1:30 PM	Lunch in the Exhibit Hall (Americas Hall II)
1:30 PM–3:30 PM	Special Interest Sessions

MONDAY MARCH 21ST

7:00 AM – 8:00 AM

Special Interest Sessions

Assessment of the Fetus at Risk for Cardiac Decompensation: When to Worry, What to Do About it

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.

Sutton North

Moderator: Lynn Simpson, BSc, MSc, MD

This session is designed to review the diagnoses of fetal arrhythmias, complications of monochorionic twins, and major cardiac lesions that require serial evaluation. Recommendations for the type and timing of fetal surveillance will be presented, as well as management options when cardiac decompensation is detected.

7:00 AM–7:20 AM
Arrhythmias
Christopher Lindblade, MD

7:20 AM–7:40 AM
Twin Anemia-Polycythemia Sequence
Lynn Simpson, BSc, MSc, MD

7:40 AM–8:00 AM
Congenital Heart Disease at Risk of Deterioration
Mary Donofrio, MD

Fetal Neurosonography: Evaluation of Structural Brain Development and Malformations

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.

Grand Ballroom East

Moderator: Ants Toi, MD

Fetal central nervous system development is progressive throughout gestation. At the time of a typical midtrimester anatomic survey, visualization is often limited to major structures and is performed transabdominally only. Many intracranial malformations are only evident later in gestation and are best seen with alternate modalities such as endovaginal and volume-based imaging. The session will aim to demonstrate the progressive development of the central nervous system and how dedicated neurosonography using all imaging modalities can improve the detection of many significant but subtle structural abnormalities.

Just Images: Abdominal Aorta

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.

Beekman

Moderator: Margarita Revzin, MD

The objective of this session is to describe the role of ultrasound in the evaluation of abdominal vascular pathology.

7:00 AM–7:30 AM
Caring for a Patient With an Abdominal Aortic Aneurysm
Anil Hingorani, MD

7:30 AM–8:00 AM
Ultrasound Evaluation of the Aorta and Abdominal Branches
Mary Frates, MD

Knobology and the Basics of Gynecologic Ultrasound

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.

Grand Ballroom West

Moderator: Ilan Timor-Tritsch, MD

This session will provide comprehensive instructions on knobology and the basics of gynecologic ultrasound.

7:00 AM–7:25 AM
Knobology
Ilan Timor-Tritsch, MD

7:25 AM–7:50 AM
The Basics of Scanning the Pelvis in Gynecology
Ana Monteagudo, MD, RDMS

7:50 AM–8:00 AM
Questions and Answers

UGRA Rheumatologic Applications in Ultrasound

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.

Regent

Moderator: Levon Nazarian, MD

At the completion of this session, participants will know when and how to use musculoskeletal ultrasonography for inflammatory and microcrystalline rheumatologic diseases.

7:00 AM–7:20 AM
Ultrasound Screening Protocol for Synovitis
Daniel Siegal, MD

7:20 AM–7:40 AM
Clinical Considerations in Inflammatory Arthritides
Minna Kohler, MD

7:40 AM–8:00 AM

Ultrasound Techniques and Interventions in Microcrystalline Arthritides

Levon Nazarian, MD

Sonography Teaching Master Class: Physician Experts Discuss How to Orchestrate Sonography Teaching for Physicians That Leads to Standing Ovations and Encores

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.

Sutton South

Moderator: Rob Goodman, MB, BChir
Faculty: Rob Goodman, MB, BChir, Bret Nelson, MD, RDMS, Antonio Riera, MD

After this session, participants should be able to recognize the importance of utilizing skills from all disciplines in sonography teaching, understand how simulation can augment a training program, and appreciate the necessity of a robust quality assurance/improvement program to maintain excellence.

Ultrasound Evaluation of Acute Abdominal and Pelvic Pain

Earn up to 1.0 *AMA PRA Category 1 Credit*™ (accepted by the ARDMS) or ARRT Category A Credit.

Trianon

Moderator: Jason Nomura, MD

This course will address the current role of ultrasonography in the diagnosis of patients with acute abdominal and pelvic pain. The differential diagnoses of patients with a variety of different presentations will be reviewed, as well as how diagnostic imaging can help accurately identify the etiology of patients' symptoms. On completion of this course, participants should be able to select the appropriate imaging modality for a wide array of different pathologic conditions.

7:00 AM–7:30 AM

Acute Pain in Early Pregnancy

Peter Doubilet, MD, PhD

7:30 AM–8:00 AM

Blunt Abdominal Trauma: Contrast-Enhanced Ultrasound for Improved Diagnosis in Children

Kassa Darge, MD

8:15 AM–10:15 AM

Board of Governors Meeting

Mercury Ballroom

8:15 AM–10:15 AM

Special Interest Sessions

Cleaning Up Ultrasound Images

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Concourse A

Moderators: Jeremy Dahl, PhD, Kai Thomenius, PhD

Ultrasound image quality has the reputation of significant user dependence. Furthermore, there still remains a sizable fraction of patients for whom diagnostic-quality imaging is a challenge. The goal of this session is to review recent advances in the recognition and elimination of sources of image quality degradation.

8:15 AM–8:45 AM

Aberration Correction for Inhomogeneous Speed of Sound in Echo Sonography

Michael Jeager, PhD

8:45 AM–9:15 AM

Velocity Estimation Under Thermal Noise and Reverberation Clutter

Jeremy Dahl, PhD

9:15 AM–9:45 AM

B-Mode Image Recovery With Aperture Domain Model Image Reconstruction in the Presence of Reverberation and Phase Aberration

Brett Bryam, PhD

9:45 AM–10:15 AM

Processing the Data Twice: Minimum Variance as an Alternative to Geometry-Based Beam Forming

Sverre Holm, PhD

Emerging Concepts in Fetal Growth Assessment

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Grand Ballroom East

Moderator: Wesley Lee, MD

The objectives of this session are: (1) to review current algorithms and standards used to describe fetal growth based on clinical and ultrasound measures; (2) to discuss a stepwise approach in evaluation of fetal growth, both normal and abnormal; (3) to describe growth patterns in preterm and term infants; and (4) to discuss emerging methods of prescriptive growth, including the Intergrowth 21st Project and National Institute of Child Health and Human Development growth study and their pros and cons versus the use of traditional growth charts.

MONDAY MARCH 21ST

8:15 AM–8:55 AM

National Institute of Child Health and Human Development Fetal Growth Study: Fetal Growth Standards and Growth Trajectories Based on Race/Ethnicity

Katherine Grantz, MD

8:55 AM–9:35 AM

Intergrowth 21st: Monitoring Human Growth and Development From Conception to Infancy

Aris Papageorghiou, MD, FRCOG

9:35 AM–10:15 AM

Individualized Growth Assessment Program: A Novel Web-Based Software Solution

Wesley Lee, MD

Imaging With High-Frequency Ultrasound: Live Demonstration

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Rendezvous Trianon

Moderators: Meredith Chrisman, RDMS, Andrew Needles, BASc

The objective of this session is to learn about high-frequency ultrasound imaging principles in a live, hands-on environment with a commercial high-frequency system. On completion of this session, participants should be able to understand the differences between high- and low-frequency ultrasound and appropriate applications for high-frequency use.

8:15 AM–10:15 AM

Introduction to High-Frequency Ultrasound and Its Applications

Andrew Needles, BASc

In, Out, and About the Pediatric Spinal Canal

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Beekman

Moderator: Carol Barnewalt, MD

The objective of this session is to review cases of normal neonatal spine ultrasound and then present the most common disorders diagnosed by spine ultrasound imaging.

8:15 AM–8:55 AM

Spinal Canal: Inside/Outside the Fetus and Neonate

Dorothy Bulas, MD

8:55 AM–9:35 AM

Cases for Consideration

Carol Barnewalt, MD

9:35 AM–10:15 AM

Spinal Canal Technique: How, Why, and When

Carol Barnewalt, MD

New Horizons in Critical Care Ultrasound

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Trianon

Moderator: Christopher Moore, MD

At the completion of this session, participants should be able to discuss recent advances in the use of point-of-care sonography in the management of critically ill patients. These will include: (1) the use of transesophageal echocardiography; (2) thoracic sonography in the diagnosis and management of these patients; and (3) the use of sonography in the confirmation of proper endotracheal tube placement.

8:15 AM–8:55 AM

Practical Hemodynamic Assessment for Resuscitation

Christopher Moore, MD

8:55 AM–9:35 AM

Integrating Transesophageal Echocardiography Into the Practice of Critical Care

Marc Stone, MD

9:35 AM–10:15 AM

Assessing Volume Responsiveness

Alexander Levitov, MD

Reproductive Medicine and Infertility

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Grand Ballroom West

Moderator: Misty Blanchette Porter, MD, MS

This session will review diagnostic criteria for polycystic ovary syndrome and ultrasound in ovarian reserve, tubal patency/hysterosalpingo contrast sonography, Müllerian anomalies including 3-dimensional imaging, uterine fibroids, and polyps in the infertile patient.

8:15 AM–8:45 AM

Diagnostic Criteria for Polycystic Ovary Syndrome and Ovarian Reserve Evaluation

Misty Blanchette Porter, MD, MS

8:45 AM–9:15 AM

Intracavitary Lesions: Impact of Polyps and Fibroids on Fertility

Elizabeth Puscheck, MD, MS

9:15 AM–9:45 AM

Tubal Patency: The Evolving Role of Hysterosalpingo Contrast Sonography

James Shwayder, MD, JD

9:45 AM–10:15 AM

Diagnosis and Clinical Relevance of Congenital Uterine Abnormalities

Elizabeth Puscheck, MD, MS

Should You Change Your Current Practice of Hepatic Sonography?

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton South

Moderator: Stephanie Wilson, MD, MS

The objectives of this session are to help the radiologist understand what information the hepatologist needs from liver ultrasound, provide an overview of the role of elastography when evaluating the liver, and discuss surveying the liver with grayscale ultrasound and the role of contrast-enhanced ultrasound.

8:15 AM–8:55 AM

What Hepatologists Want to Know From Liver Ultrasound

Yuko Kono, MD, PhD

8:55 AM–9:35 AM

Hepatic Elastography: The Entire Picture

Giovanna Ferraioli, MD

9:35 AM–10:15 AM

Expansion of Routine Hepatic Sonography: The Addition of Elastography, Surveillance Scanning for Hepatocellular Carcinoma, and Contrast-Enhanced Ultrasound

Stephanie Wilson, MD, MS

Wrong Diagnosis: Learning From Our Mistakes

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton North

Moderator: Dolores Pretorius, MD

Two years ago, we established a new tradition of analyzing "wrong diagnoses" from which we can all learn. Each year, we hear from different speakers about their own learning experience. The session format is designed to be interactive and range from basics to advanced topics, using ultrasound to develop a differential diagnosis, seeing the thought process through the eyes of the experts.

8:15 AM–8:55 AM

Complex Cardiac Malformation

Gary Satou, MD

8:55 AM–9:40 AM

Early Versus Late Diagnosis

Julia Solomon, MD, CM

9:40 AM–10:15 AM

Potpourri: Veins, Arteries, and Other

Luís Gonçalves, MD

10:15 AM–11:00 AM

High-Frequency Clinical and Preclinical Community Imaging

Petite Trianon

11:00 AM–12:30 PM

Special Interest Sessions

Applications of High-Frequency Ultrasound for Drug Development and Testing

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Concourse G

Moderator: Jonathan Mamou, PhD

This session will review the current use of high-frequency ultrasound imaging for the development, testing, and optimization of drugs.

11:00 AM–11:20 AM

Noninvasive Micro-Ultrasound Imaging Furthered the Understanding of Anti–Vascular Endothelial Growth Factor Therapy Effects in Preclinical Tumor Models

Alexandra Eichten, PhD

11:20 AM–11:40 AM

Tissue Characterization Parameters for Translation to Clinical Studies

Theresa Tuthill, PhD

11:40 AM–12:00 PM

Vascular and Cardiac Ultrasound in Drug Development

Terri Swanson, MA

12:00 PM–12:20 PM

Skin Deep: Ultrasound Investigations of Preclinical Models of Skin Disease

Sarah Ryan, BS

12:20 PM–12:30 PM

Question and Answer

MONDAY MARCH 21ST

Challenging Pediatric Ultrasound Cases

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton South

Moderator: Lynn Fordham, MD
Faculty: Harris L. Cohen, MD. Brian Coley, MD, Lynn Fordham, MD

The objectives of this session are to show interesting pediatric ultrasound cases as unknowns and allow the audience to guess the diagnoses.

Fetal Genitourinary Abnormalities

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Grand Ballroom East

Moderator: Jude Crino, MD

On completion of this session, participants should be able to describe the diagnosis and management of fetal genitourinary tract abnormalities.

11:00 AM–11:30 AM
Evaluation of the Fetal Urinary Tract
Anthony Odibo, MD

11:30 AM–12:00 PM
Evaluation of the Fetal Genitalia
Jude Crino, MD

12:00 PM–12:30 PM
Evaluation and Management of Fetal Lower Urinary Tract Obstruction
Rodrigo Ruano, MD, PhD

Just Images: Point-of-Care Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Trianon

Moderator: Bret Nelson, MD, RDMS
Faculty: Gerardo Chiricolo, MD, Matthew Fields, MD, Seth Koenig, MD, Bret Nelson, MD, RDMS

To describe the use ultrasound in point of care through images.

11:00 AM–12:30 PM

Scientific Sessions

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

Contrast-Enhanced Ultrasound

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Concourse A

Moderator: Andrej Lyshchik, MD, PhD

11:00 AM–11:30 AM
Luminary Speaker: Paul Sidhu, BSc, MBBS, MRCP, FRCC

11:30 AM–11:37 AM
2388516 Quantitative Assessment of Tumor Perfusion During Sonoporation: Predicting Drug Uptake in Tumors
Shashank Sirsi

11:37 AM–11:44 AM
2376902 A Novel Contrast-Enhanced Ultrasound Classification System for Solid and Cystic Renal Masses
Jessica Zarzour, Janelle West, Eric Turner, Bradford Jackson, Mark Lockhart, Michelle Robbin*

11:44 AM–11:51 AM
2360546 Two- and Three-Dimensional Contrast-Enhanced Ultrasound Monitoring of Renal Cell Carcinoma Recurrence After Cryoablation
John Eisenbrey, Maria Stanczak, Andrej Lyshchik, Colette Shaw, Ji-Bin Liu, Costas Lallas, Edouard Trabulsi, Flemming Forsberg*

11:51 AM–11:58 AM
2363296 Impact of Race on Contrast-Enhanced Transrectal Ultrasound for Prostate Cancer Detection
Ethan Halpern, Flemming Forsberg, Leonard Gomella, Edouard Trabulsi*

11:58 AM–12:05 PM
2363297 Optimal Combination of Contrast-Enhanced Targeted and Systematic Biopsy of the Prostate for Detection of High-Grade Prostate Cancer
Ethan Halpern, Flemming Forsberg, Leonard Gomella, Edouard Trabulsi*

12:05 PM–12:12 PM
2378454 Contrast-Enhanced Ultrasound for Differentiation of Small (≤2 cm) Liver Metastases and Hepatocellular Carcinomas: Qualitative and Quantitative Evaluations
Wen-Ping Wang, Yi Dong, Feng Mao, Xiao-Long Zhang*

12:12 PM–12:19 PM
2380533 Role of Contrast-Enhanced Ultrasound in Assessment of Inflammatory Activity in Patients With Crohn's Disease
Wenjie Cheng, Guangjian Liu*

Fetal Echocardiography

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton North

Moderator: Anita Moon-Grady, MD

11:00 AM–11:07 AM

2362606 Fetal Myocardial Performance Index Can Predict Fetal Hypoxemia During Labor

Alexis Gimovsky, Dennis Wood, Stuart Weiner*

11:07 AM–11:14 AM

2372011 HDlive Flow With HDlive Silhouette Mode/Glass Body Rendering Mode in the Assessment of the Fetal Heart

Mohamed AboEllail, Kenta Yamamoto, Suraphan Sajapala, Chiaki Tenkumo, Megumi Ito, Nobuhiro Mori, Uiko Hanaoka, Toshiyuki Hata*

11:14 AM–11:21 AM

2374880 Prenatal Diagnosis of Absent Pulmonary Valve Syndrome: Series of 5 Cases; Most Common and Most Rare Presentations

Alpana Joshi

11:21 AM–11:28 AM

2381505 Impact of Congenital Heart Disease on In Utero Fetal Growth

Mert Bahtiyar, Joshua Copel*

11:28 AM–11:35 AM

2383980 The Role of the 3-Vessel and Trachea View in Antenatal Detection of Tetralogy of Fallot

Anna Palatnik, William Grobman, Leeber Cohen, Jeffrey Dungan, Nina Gotteiner*

11:35 AM–11:42 AM

2384593 Retrospective Versus Prospective Normograms for the Cardiac Axis at 11 to 14 Weeks in a Lebanese Population: Is There a Difference?

Reem Abu-Rustum, M. Fouad Ziade, Sameer Abu-Rustum*

11:42 AM–11:49 AM

2384602 Are There Head Volume Alterations at 11 to 14 Weeks in Fetuses With Congenital Heart Defects?

Reem Abu-Rustum, M. Fouad Ziade, Sameer Abu-Rustum, Linda Daou*

11:49 AM–11:56 AM

2384728 Two-Dimensional Speckle Tracking of the Longitudinal Systolic Displacement of the Right and Left Ventricular Chambers: Does It Alter the Interpretation of Fetal M-Mode Echocardiography?

Greggory DeVore, Bardo Polanco, Gary Satou, Mark Sklansky*

11:56 AM–12:03 PM

2384999 Semiautomated Evaluation of the Fetal Heart Using a 5DHeart Approach: Recent Data on Validity and Reproducibility in First- and Second-Trimester Fetuses

Jan Weichert, Michael Gembicki, David Hartge*

12:03 PM–12:10 PM

2385824 Evaluation of Transverse Systolic Displacement of the Endocardium of the Right and Left Ventricles of the Fetal Heart Using 2-Dimensional Speckle Tracking

Greggory DeVore, Bardo Polanco, Gary Satou, Mark Sklansky*

12:10 PM–12:30 PM

Question and Answer

Obstetric Ultrasound: Fetal Growth

Earn up to 1.5 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Grand Ballroom West

Moderator: Wesley Lee, MD

11:00 AM–11:30 AM

Luminary Speaker: Aris Papageorghiou, MD, FRCOG

11:30 AM–11:37 AM

2361852 The Femur Length/Abdominal Circumference Ratio for Prediction of Shoulder Dystocia and Neonatal Brachial Plexus Palsy in Women With Gestational Diabetes

Elaine Duryea, Donald McIntire, Brian Casey, Diane Twickler*

11:37 AM–11:44 AM

2371462 The Influence of Cardiac Defects, Anomalies, and Soft Markers on the Growth Pattern of Fetuses With Trisomy 21

Timothy Canavan, Sarah Bernstein, Devereux Saller*

11:44 AM–11:51 AM

2380580 Does the Timing of the Appearance of the Fetal Proximal Humeral Epiphysis Differ Between Ethnic Groups?

Deepika Garg, Scarlett Karakash, Tinu Hirachan, Shoshana Haberman*

MONDAY MARCH 21ST

11:51 AM–11:58 AM

2380747 Pathologic Fetal Growth: How Does Intergrowth 21st Compare With Established Growth Curves?

Nicole Smith, David Cantonwine, Julian Robinson*

11:58 AM–12:05 PM

2382783 Sonographic Detection of Birth Weight at or Below the Third Percentile in Women With Treated Chronic Hypertension

Jamie Morgan, Chet Wells, Donald McIntire, David Nelson*

12:05 PM–12:12 PM

2384913 The Doppler Transitional Phase in Severely Premature Intrauterine Growth-Restricted Fetuses

Ana Tobiasz, Luis Gomez, Giancarlo Mari*

12:12 PM–12:19 PM

2385863 Does Asymmetric Fetal Growth Exist in Women With Treated Chronic Hypertension?

Jamie Morgan, Chet Wells, Donald McIntire, David Nelson*

12:19 PM–12:30 PM

Question and Answer

1:30 PM– 3:30 PM

Special Interest Sessions

Just Images and Dynamics: Musculoskeletal Ultrasound–From Pediatrics to Adults

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Regent

Moderator: Antonio Bouffard, MD

1:30 - 2:10

Pediatrics

Antonio Bouffard, MD

2:10 PM–2:50 PM

Pediatrics

Andrew Zbojniewicz, MD

2:50 PM–3:30 PM

Adults

Alberto Simoncini, MD

Just Images: Cardiovascular Ultrasound

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Beekman

Moderator: Leslie Scoutt, MD

1:30 PM–1:40 PM

Introduction

1:40 PM–2:10 PM

Don't Forget the Veins

John Pellerito, MD

2:10 PM–2:40 PM

Focus on Peripheral Vascular Disease

Eugene Zierler, MD, RVHT

2:40 PM–3:10 PM

Focus on the Abdominal Vasculature

Ulrike Hamper, MD

3:10 PM–3:30 PM

Focus on Intervention

John Blebea, MD

Just Images: Fetal Echocardiography

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Sutton North

Moderator: Lami Yeo, MD
Faculty: Tracy Anton, BS, RDMS, RDCS, Joshua Copel, MD, Greggory DeVore, MD, Miwa Geiger, MD, Wesley Lee, MD, Wayne Tworetsky, MD

Just Images: Gynecology

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.

Grand Ballroom West

Moderator: Sakhel Khaled, MD

1:30 PM–2:05 PM

Adnexal Masses

Sakhel Khaled, MD

2:10 PM–2:45 PM

Uterine Pathology

James Shwayder, MD, JD

2:50 PM–3:25 PM

Ectopic Pregnancy and Arteriovenous Malformations

Ilan Timor-Tritsch, MD

3:25 PM–3:30 PM

Questions and Answers

SAMs Just Images: Interventional/Intraoperative Ultrasound

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits, and SAMs Credits.
Concourse A
Moderator: Corinne Deurdulian, MD

1:30 PM–2:10 PM
Head and Neck Biopsy: Thyroid, Parathyroid, and Lymph Nodes
Margarita Revzin, MD

2:10 PM–2:50 PM
Ultrasound-Guided Ablation of Thyroid Nodules
Andrej Lyshchik, MD, PhD

2:50 PM–3:30 PM
Role of Ultrasound in Advanced Interventional Cases
Devang Butani, MD

Just Images: Obstetrics

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.
Grand Ballroom East
Moderator: Beverly Coleman, MD

1:30 PM–2:00 PM
Fetal Musculoskeletal Ultrasound: The Spine and Long Bones
Carol Benson, MD

2:00 PM–2:30 PM
Fetal Musculoskeletal Ultrasound: Watch the Hands and Feet
Beverly Coleman, MD

2:30 PM–3:00 PM
The Cervix and Preterm Birth Syndromes
Anthony Odibo, MD

3:00 PM–3:30 PM
Abnormal Placentation
Andrei Rebarber, MD

Just Images: Pediatrics/Neurosonography

Earn up to 2.0 *AMA PRA Category 1 Credits*™ (accepted by the ARDMS) or ARRT Category A Credits.
Sutton South
Moderator: Leann Linam, MD
Faculty: Caroline Guimaraes, MD, Alisa Kanfi, MD

NOTES

E-POSTERS

E-posters allow authors to present their research using a monitor and computer.
E-posters are located in the Exhibit Hall, Americas Hall II

E-Poster Viewing Hours

Americas Hall II

Friday, March 18	11:30 AM–4:30 PM
Saturday, March 19	9:30 AM–4:30 PM
Sunday, March 20	9:30 AM–4:00 PM
Monday, March 21	9:30 AM–1:30 PM

E-Poster Awards

First-, second-, and third-prize awards, as well as honorable mentions, will be indicated by ribbon icons. Awards are based on scientific content and visual effects.

Basic Science and Instrumentation

2355937 Assessment of an Ultrasound System for Use in an Interventional MRI Suite
Zaiyang Long, Chi Ma, Joel Felmlee, David Woodrum, Nicholas Hangiandreou, Krzysztof Gorny

2363123 A Comparison of Different Hydrophones in High-Intensity Ultrasound Pressure Measurements
Yunbo Liu, Keith Wear*

2370045 Evaluation of UltraiQ software for objective ultrasound image quality assessment
Zaiyang Long, Donald Tradup, Scott Stekel, Nicholas Hangiandreou

2373257 An improved Axial and Lateral Image Resolution in Nonlinear Superharmonic Ultrasound Imaging: A Comparative Study of Two Coded Excitation Methods
Narendra D. Londhe, Jasjit S. Suri

2377654 Pressure Pulse Distortion by Needle and Fiber Optic Hydrophones due to Diminished Low Frequency Response
Keith Wear, Yunbo Liu, Gerald R Harris

2379004 A Diffraction-Grating Transducer That Focuses
David Vilkomerson, Thomas A Chilipka, John W Bogan

2380003 The Influence of Dexmedetomidine on Ultrasound-induced Pulmonary Capillary Hemorrhage in Rats
Douglas Miller, Chunyan Dou, Zhihong Dong, Krishnan Raghavendran

2380280 Quantitative Assessment of Damage During Myocardial Cavitation Enabled Therapy: A Parametric Study in a Rodent Model
Yiying Zhu, Douglas Miller, Chunyan Dou, Xiaofang Lu, Oliver Kripfgans*

2381391 Focused Ultrasound Treatment of Multiple Sclerosis in a Rat Model
Anthony Podkowa, Rita Miller, Raymond Fish, Michael Oelze

2381561 Evaluation of Tradeoffs in Cardiac Strain Imaging using Joint Probability Density Distributions
Chi Ma, Tomy Varghese

2382998 Lessons Learned During a Clinical Implementation of DICOM Structured Reporting Across a Radiology Ultrasound Practice
Scott Stekel, Samir Budimlic, Joel Wolery, Nicole Strissel, Jose Villarama, Shyamala Bhat, Janice Pascoe, Donald Tradup, Nicholas Charboneau, Jason Tjelta, Nicholas Hangiandreou*

2384869 Superficial Breast Lesions: Does Ultrasound Need Some Better Adjustment to Be Able to Characterize?
Abdelmohsen Hussien

2385115 Real-time Simulation of Color and Spectral Waveform Doppler Ultrasound of the Carotid Artery
Robert Eugene Zierler, Daniel Leotta, Kurt Sansom, Alberto Aliseda, Mark Anderson, Florence Sheehan

2385119 Super-Resolution and Lateral Beam Patterns
*Shujie Chen, Kevin Parker**

2385593 Different Methods of Ultrasound Training for Medical Students at Cerrahpasa School of Medicine
Vira Fomenko, Ramin Rajaii, Nicholas Taylor, Helene Nepomuceno, Soe Thein, Eric Dang, Joseph Zakaria, Michael Niechayev, Brittany Mitchell, J. Christian Fox*

2385633 An Overview of Ultrasound Scanner Display Performance and Management Features
Donald Tradup, Scott Stekel, Zaiyang Long, Nicholas Hangiandreou*

E-POSTERS

Cardiovascular Ultrasound

2361936 High Fidelity Strain Ratio Computation Using Auto Frame Selection (AFS) and Assist Strain Ratio (ASR) Techniques in Ultrasound Elastography
Ravi Managuli, Koji Waki, Naoyuki Murayama, Kazutaka Okada

2369034 Effects of balloon dilation with varying inflation forces on artery injury guided by ultrasound.
Yu He, Chun xiang Jin, Hui Wang, Li Mei, Juan juan Zheng

2371989 Multiresolution Techniques for Fast Coronary Volume Measurement in Japanese Patients using Intravascular Ultrasound: A Comparative Study
Sumit Kumar Banchhor, Narendra Londhe, Tadashi Araki, Nobutaka Ikeda, Petia Radeva, Luca Saba, Antonella Balestrieri, Andrew Nicolaides, Shoaib Shafique, John Laird, Jasjit Suri

2371990 Automated Coronary Calcium Volumes has Moderate Correlations with Expert's Coronary Lumen, Coronary Vessel and Coronary Atheroma Volumes in Japanese Diabetic Patients: An Intravascular Ultrasound Study
Sumit Kumar Banchhor, Narendra Londhe, Tadashi Araki, Nobutaka Ikeda, Petia Radeva, Luca Saba, Antonella Balestrieri, Andrew Nicolaides, Shoaib Shafique, John Laird, Jasjit Suri

2373246 Coronary Artery Disease Risk Stratification in IVUS using a combination of PCA-based Dominant Feature Extraction and Machine Learning: A Link between Carotid and Coronary Atherosclerotic Plaques
Tadashi Araki, Nobutaka Ikeda, Devarshi Shukla, Narendra D. Londhe, Vimal Kumar Shrivastava, Sumit Kumar Banchhor, Luca Saba, Andrew Nicolaides, Shoaib Shafique, John Laird, Jasjit Suri

2373752 Accurate Lumen Diameter Measurement in Curved Vessels via Image Transformation in Carotid Ultrasound: A Tool for Stroke Risk Assessment
Krishna Kumar P, Aditya M Sharma, Tadashi Araki, Nobutaka Ikeda, Francesco Lavra, Jeny Rajan, Luca Saba, Andrew Nicolaides, John R. Laird, Shoaib Shafique, Jasjit S. Suri

2379790 Doppler Evaluation of Novel Placement of VAD Outflow Cannula within the Chest Wall
Amy Haberman, Tina Tailor, Daniele Marin, Barbara Hertzberg

2379959 Managing Low-Risk Clots in High-Risk Patients: A Case Report Showing Propagation of Unstable Peroneal Deep Vein Thrombosis to Saddle Pulmonary Embolism During Serial Ultrasound Scanning
Marcia Bockbrader, Jayesh Vallabh, Kevin Donlon, Matthew Fanous, David Bahner*

2381853 Carotid Body Abnormalities: Analysis of a Series of Cases Found Incidentally During Carotid Ultrasound
Nathalie Garbani

2381928 Handheld Ultrasound Versus Chest Radiography in the Coronary Care Unit
Colin Phillips, Warren Manning*

2385402 Contrast-Enhanced Ultrasound Assessment of Skeletal Muscle Perfusion Before and After Left Ventricular Assist Device Implantation
*Minakshi Mohanty, Sabhya Gupta, Maria Stanczak, Ann Banks, Lauren Trinsey, Anush Sridharan, Gordon Reeves, Flemming Forsberg**

2385826 Pulsed Ultrasound Modulates the Depolarization of Cardiomyocytes in a Cell-Based Model
Andrew Kohut

Contrast-Enhanced Ultrasound

2374736 Utility of Superb Microvascular Imaging for Visualizing Lesions in the Portal Vein
Takaaki Sugihara, Toshiaki Okamoto, Kenichi Miyoshi, Tomomitsu Matono, Masahiko Koda, Hajime Isomoto*

2377135 Contrast-Enhanced Ultrasound: A Problem-Solving Tool in the Multimodality Evaluation of Hepatocellular Carcinoma
Eugenia Khorochkov, Joel Mercer, Stefanie Lee*

2377323 Combination of Conventional Ultrasound and Contrast-Enhanced Ultrasound in Transjugular Intrahepatic Portosystemic Shunt Follow-up: An Effective Method
Jean Ayoub

2378960 Contrast-Enhanced Ultrasound Liver Imaging Reporting and Data System for Diagnosis of Hepatocellular Carcinoma: Initial Proposal
Yuko Kono, David Cosgrove, Christoph Dietrich, Hyun-Jung Jang, Tae Kyoung Kim, Andrej Lyshchik, Fabio Piscaglia, Claude Sirlin, Juergen Willmann, Stephanie Wilson*

2385721 Efficacy of Contrast-Enhanced Ultrasonography to Evaluate Metastatic Cervical Lymph Nodes Before and After Chemoradiotherapy of Head and Neck Cancer Patients
Kiyoto Shiga, Shin-ichi Oikawa, Daisuke Saitoh, Katsunori Katagiri*

2385785 Efficacy of Contrast-Enhanced Ultrasonography Compared With Color Doppler Imaging in Metastatic Cervical Lymph Nodes of Head and Neck Cancer Patients
Kiyoto Shiga, Daisuke Saitoh, Shin-ichi Oikawa, Katsunori Katagiri*

Elastography

2343835 Ultrasound shear wave elastography characterization of hepatic lesions at the time of percutaneous ultrasound guided biopsy.
Robert Villani, Paul Dossous

2374468 Assessing Deep Venous Thrombosis by Compression Ultrasound and Strain Imaging Using Acoustic Radiation Force Impulse imaging: Preliminary Report
Grzegorz Malek, Grzegorz Aderek, Witold Tomkowski, Monika Majdanska, Pawel Kuca, Artur Maliborski, Krzysztof Duda*

2383331 Virtual Analysis of the Pancreas in Type 2 Diabetes by Ultrasound Acoustic Radiation Force Impulse Quantification
Chunxiang Jin, Yu He, Juanjuan Zheng, Hui Wang*

2384549 Noninvasive Assessment of Liver Fibrosis Using Shear Wave Elastography in Patients With Chronic Liver Disease
Tamami Abe, Hidekatsu Kuroda, Yasuhiro Takikawa*

Emergency and Critical Care Ultrasound

2326876 Prevention/Correction of Sonographer Pain/Injury Using Corrective Exercise/Stretching/Movement Techniques
Doug Wuebben, Mark Roozen

2339640 Mobile Echogenic Material on Ocular Ultrasound Is Not Always Pathologic: A Cross-sectional Survey in an Asymptomatic Emergency Department Population
Gavin Budhram, Jennifer Cronsell, Michele Schroeder*

2339822 The use of point of care ultrasonography for intravascular access during adult cardiac arrest.
Melvyn Harris

2366290 A Proposed Milestone for Pediatric Emergency Medicine Point-of-Care Ultrasound Competency
Delia Gold, Jennifer Marin, Demetris Haritos, Melissa Skaugset, Jennifer Kline, Rachel Stanley, David Bahner*

2366942 Ultrasound of Hepatic Infections: A Sonographic Pictorial Review
Vijayanadh Ojili, Neeraj Kaur, Arpit Nagar*

2369425 Effects of Student-Performed Point-of-Care Ultrasound on Physician Diagnosis and Management in the Emergency Department
Daniel Udrea, Andrew Sumnicht, Deanna Lo, Stephanie Gondra-Sanabria, Logan A Villarreal, Richard Chyan, Vi Am Dinh

2369893 Can Pediatric Emergency Physicians Correctly Interpret Point-of-Care Scrotal Ultrasound Exams for the Presence of Testicular Torsion After a Brief Teaching Session?
Meredith Lynne Hill-Ciesielski, Mark Favot, Lindsay Taylor

2371810 Operating Characteristics of Point-of-Care Ultrasound in Identifying Skin and Soft Tissue Abscesses in the Emergency Department
Sathyaseelan Subramaniam, Jacqueline Bober, Jennifer Chao, Shahriar Zehtabchi*

2373506 PULSE: An Objective Programmatic Ultrasound Metric Tool
Tyler Dschaak, Creagh Boulger, Michael Prats, Sara Singhal, Melanie Kennedy, David Bahner*

2373982 Suspected Small-Bowel Obstruction in the Emergency Department: Accuracy of Point-of-Care Ultrasound
Mark Gonzales, Barbara Stahlman, Brent Becker*

2374957 Peripheral Venous Cannulation Skill Acquisition Using Commercial and Homemade Ultrasound Phantoms
Dustin Morrow, Julia Cupp, Patrick Hunt, Richard Hoppmann*

2377342 The Hidden Territory of Transvaginal Ultrasound: A Window to Nongynecologic Pathology
Krystal Buchanan, Artur Velcani*

2377788 Bedside Ultrasound Evaluation of Diaphragm Thickening
Craig Fryman, Sahar Ahmad

2378430 Creating a Happy Home: Impact of Point-of-Care Ultrasound Services on Physician in-House Satisfaction
Natwalee Kittisarapong, Adam Ash, Christopher Raio*

2378535 Expectations and Outcomes for the Development of an Ultrasound Curriculum in a Resource-Limited Environment
Rachel Berkowitz, James Mangan, Gabriel Rose, Kyle Cramer, Sebastian Siadecki, Ramona Sunderwirth, Kajal Chhaganlal, Turandot Saul*

2378883 Comparison of Subxiphoid Versus Parasternal Long-Axis Views in Focused Assessment With Sonography for Trauma Examinations
Tanya Bajaj, Christopher Raio, Maya Lin, Mathew Nelson, Adam Ash*

2380777 Implementation of a 4-Year Ultrasound Curriculum in a Medical School
Jason Mefford, Sean Wilson, Shadi Lahham, Mohammed Subeh, J. Christian Fox*

E-POSTERS

2380792 Effect of Prior Concussion on Sonographic Optic Nerve Sheath Diameter Measurement After Undergoing Transient Intracranial Pressure Change
Ivan Morales, Kyle Friez, Richard Gordon, Matthew Lyon*

2380891 Does Confirmation by Plain-Film Radiography Delay the Use of a Central Venous Catheter When Compared to Ultrasound?
Samer Assaf, Sean Wilson, Chiem Alan, Shadi Lahham, Mohammed Subeh, Samantha Shwe, J. Christian Fox*

2381023 A Survey Evaluation of Barriers to Provider Compliance With Point-of-Care Ultrasound Documentation
Sebastian Siadecki, Gabriel Rose, Rachel Berkowitz, Turandot Saul*

2381269 Ultrasound Confirmation of Gastric Tube Placement: A Novel Method
Vlad Radulescu, Sahar Ahmad*

2381993 Ultrasound to Improve Lumbar Puncture Success: A Randomized Controlled Study
Lori Ludeman, Priel Schmalbach, Shadi Lahham, Mohammed Subeh, Sean Wilson, Sophia Spann, Jocelyn Chao, Diane Shin, Nadeem Albadawi, J. Christian Fox*

2382969 Can Emergency Medicine Resident Sonographers Performing Bedside Tracheal Ultrasound Accurately Confirm Endotracheal Tube Placement During an Intubation?
*Shadi Lahham, J. Christian Fox, Wynne Breed**

2383284 Lung Ultrasound in the Neurologically Deceased Donor
Daniel Lebovitz, Matthew Tabbut, Samir Latifi, Lynn Dezelon, Robert Jones*

2383343 A Readily Available, Inexpensive, and Reusable Simulation Model for Teaching Ultrasound-Guided Abscess Identification and Drainage
Julie Augenstein, Hiromi Yoshida*

2383982 Assessment of Proximal Arterial Spectral Doppler Signals in a Model for Acute Compartment Syndrome
Stefania Carmona, Richard Gordon, Matthew Lyon*

2384129 A Prospective Feasibility Trial of AccuCath 2.25β Blood Control Intravascular Catheter System With a Retractable Coiled Tip Guide Wire Placed in Difficult-Access Patients in the Emergency Department
Christopher Raio, Adam Ash, Tanya Bajaj, Natwalee Kittisarapong, Robert Ellspermann, Brendon Stankard, Mathew Nelson, Veena Modayil*

2384504 Social Media Use in Emergency Ultrasound Fellowship Education
Richard Amini, Janelle Wang, Srikar Adhikari

2384574 A Retrospective Analysis of Ultrasound Usage Rates at Cardiac Arrest Resuscitation Events at a New York Academic Hospital
Marc Delaney, Sahar Ahmad*

2384651 Use of Focused assessment with sonography for trauma (FAST) examination skills in the evaluation of medical patients
Parisa Javedani, Jeremy Oulton, Gregory Metzger, Srikar Adhikari

2384720 Is There a Difference in Radial Artery Localization by Medical Students Using Bedside Ultrasound When Compared to Pulse Palpation?
Rachel Berkowitz, Gabriel Rose, Sebastian Siadecki, Turandot Saul*

2384781 A Survey of the Importance of Emergency Ultrasound in Prospective Practice Settings Among Emergency Medicine Residents
Christopher Mendoza

2384882 Evaluation of Self-Guided Versus Traditional Ultrasound Education for Third-Year Medical Students
Margaret Lewis, Lindsey Jannach, Celeste Colcord, Lisa Howley, Vivek Tayal*

2384888 Retrospective Review of Ectopic Pregnancies Diagnosed by Emergency Department Point-of-Care Ultrasound
Orinthia King, Tina Dulani, Maya Lin, Andrew Balk, Gerardo Chiricolo*

2385058 Ultrasound Simulation for Small-Bone Fractures: The Chicken Drumstick Model
Youyou Duanmu, Christine Lee, Michael Heller, Saadia Akhtar, Jacob Goertz, Nicole Kaban*

2385059 Contrast Extravasation in Emergency Department Patients With Ultrasound-Guided Peripheral Intravenous Catheters
Jordan Rupp, Robinson Ferre, Jeremy Boyd, Robert Turer, Wesley Self*

2385080 Algorithm-Based Automated Inferior Vena Cava Diameter Tracking Correlates With Physician-Performed Measurements
Christopher Fung, Barry Belmont, Nik Theyyunni, Ross Kessler, Robert Huang, Mohamad Tiba, Kevin Ward, Albert Shih*

2385093 Acute Breast Complaint at Night: What the Emergency Radiologist Needs to Know
Abdelmohsen Hussien

2385096 Is It Time for Ultrasound Badges of Competency?
Creagh Boulger, Monica Mikkilineni, Tyler Dschaak, Michael Prats, Sara Singhal, Melanie Kennedy, Sarah Greenberger, Sorabh khandelwal, Andrew King, David Bahner*

2385124 Intermediate Ultrasound: Going Beyond the Basics of Ultrasound in Medical Student Education
Nicholas Scoville, Antoinette Pusateri, Michael Prats, Creagh Boulger, Tyler Dschaak, Sara Singhal, David Bahner*

2385135 Enhancing Quality Assurance Through Examination of Point-of-Care Ultrasound Scans
Sara Singhal, David Bahner, Creagh Boulger, Michael Prats, Tyler Dschaak*

2385146 Ultrasound-Guided Vascular Access Education: Effectiveness of Live Versus Recorded Instruction
Patrick Loeffler, Matthew Lyon, Richard Gordon*

2385223 Mastering the "50 Shades of Gray": Faculty Development Program in Emergency Ultrasonography
Kim Chan

2385362 Follicular Ring Sign in Ovarian Torsion
Harinder Singh, Maya Lin, Tina Dulani, Christopher Mendoza, Gerardo Chiricolo, Andrew Balk*

2385363 Does Point-of-Care Ultrasound Reduce the Emergency Department Length of Stay in the Pregnant Patient Who Requires Pelvic Sonographic Evaluation?
Kiah Connolly, Sean Wilson, Shadi Lahham, Mohammed Subeh, Craig Anderson, J. Christian Fox*

2385382 Performance of an Ultrasound-Guided Fascia Iliaca Block Using a Novel Porcine Neurovascular Bundle Model Compared With a Commercially Available Ultrasound Phantom
Donald Byars, Barry Knapp, Anja Cipi, Turan Kayagil, Matt Jones*

2385386 Comparison of the eZono Ultrasound System Compared With a Traditional Technique for Ultrasound-Guided Central Venous Line Placement in a Simulation Model
Donald Byars, Barry Knapp, Zane Shuck, Anja Cipi*

2385415 Comparison of the EUCLID Tier 1 Mini-Access System With a Traditional Technique for Ultrasound-Guided Central Venous Line Placement in a Simulation Model
Donald Byars, Barry Knapp, Alex Gleason, Travis Wilson*

2385434 An Ultrasound Supplement to Medical Student Education on the Renal System
Kristin Hines, David Way, Tyler Dschaak, Michael Prats, Sara Singhal, Creagh Boulger, Margret Krebs, David Bahner*

2385612 Standardizing Proctor Certification for Near Peer Ultrasound Teaching
Andrew Ortega, Creagh Boulger, Tyler Dschaak, Sara Singhal, Matt Malone, Michael Prats, David Bahner

2385806 Ultrasound Team Based Learning (UTBL)
Suman Jasmine Gupta, Creagh Boulger, Courtney Tipton, Michael Prats, Tyler Dschaak, Sara Singhal, David Bahner

2385831 Ultrasound Ground School: A Novel Curriculum for Undergraduate Medical Education
Jessica Kotha, Creagh Boulger, Tyler Dschaak, Sara Singhal, Michael Prats, David Bahner*

2385845 Tiered Longitudinal Ultrasound Curriculum for Undergraduate Medical Education
Zachary Goodman, Creagh Boulger, Cindy Chang, Suman Gupta, Courtney Tipton, Michael Prats, Tyler Dschaak, Sara Singhal, Michelle Corrado, Nicholas Kelly, David Bahner*

2385895 An Evidence-Based Lung Ultrasound (LUS) Scanning Protocol for Diagnosing Pediatric Pneumonia
Brendan Milliner, James Tsung

2385896 Ultrasound Interest Group Communication Strategies at Ohio State University
Creagh Boulger, David Bahner, Zachary Goodman, Cindy Chang, Nicholas Kelly, Michelle Corrado*

2385904 Enhancing Medical Student Comprehension of Cardiac Anatomy Through Ultrasound
Creagh Boulger, David Way, David Bahner, Anand Patel, Alex Hatch, Ash Panchal, Xi Damrell*

2385906 Beginner Ultrasound: An Innovative 1-Year Introductory Course for Medical Students
Creagh Boulger, David Bahner, Nicholas Kelly, Zachary Goodman, Cindy Chang, Michelle Corrado, Suman Gupta, Courtney Tipton*

2385909 Integrated, Tiered, Self-Guided Ultrasound Scanning
*Creagh Boulger, David Bahner, Adam Niku**

2386348 Determination of Right Ventricular Function by Emergency Physician Measurement and Visual Estimation of Tricuspid Annular Plane Systolic Excursion in the Setting of Suspected Pulmonary Embolism
James Daley, Christopher L. Moore, John Grotberg*

Fetal Echocardiography

2344863 Natural history and clinical significance of multiple cysts in a single choroid plexus
Polina Medvedeva, Lali Sichinava, Boris Petrikovsky

2374773 Fetal Echocardiographic Findings in Pulmonary Atresia With an Intact Ventricular Septum
Sangeeta Matang

2384586 The Role of the Left Brachiocephalic Vein in the Prenatal Diagnosis of Total Anomalous Venous Return: A Case Report
Ghina Mahmoud, Jihad Ward, Linda Daou, Reem Abu-Rustum*

E-POSTERS

General and Abdominal Ultrasound: Breast

2373432 Ultrasound Image Contrast Enhancement using F-X Prediction Filtering
Junseob Shin, Lianjie Huang

2381822 The Diagnostic Performance of Automated Versus Manual Segmentations of Breast Lesions on Ultrasound Images
Laith Sultan, Hui Xiong, Theodore Cary, Susan Schultz, Ghizlane Bouzghar, Chandra Sehgal*

2385269 A Novel Ultrasound Image-Processing Technique for Detecting Microcalcifications in Surgical Breast Specimens
Priscilla Machado, John Eisenbrey, Maria Stanczak, Barbara Cavanaugh, Lisa Zorn, Flemming Forsberg*

General and Abdominal Ultrasound: General

2362995 Beyond the Basics: Pitfalls in Hepatic Transplant Doppler Sonography
Marjorie Stein, Susan Frank, Jeffrey Roberts, Mordecai Koenigsberg, Fernanda Mazzariol*

2366186 Liver Imaging Reporting and Data System: Ultrasound Recommendations for Sonographic Screening and Surveillance of Hepatocellular Carcinoma—Initial Proposal
Aya Kamaya, Sheena Prakash, Katherine Maturen, Maryellen Sun, Ashish Wasnik, Nirvikar Dahiya, Tara Morgan, Claude Sirlin, Yuko Kono, R. Brooke Jeffrey, Terry Desser, Alison Harris*

2365108 Common and Uncommon Hepatobiliary and Splenic Infections on Ultrasonography
Jeffrey Roberts, Marjorie Stein, Robert Berkenblit, Melanie Moses, Susan Frank, Mordecai Koenigsberg, Fernanda Mazzariol*

2378679 The Added Value of Clinical Parameters in the Doppler Assessment of Transjugular Intrahepatic Porto-systemic shunts (TIPS)
Mark Kliewer

2380576 Regional Vascularity Differences of Thyroid Nodules on Color Doppler Ultrasound
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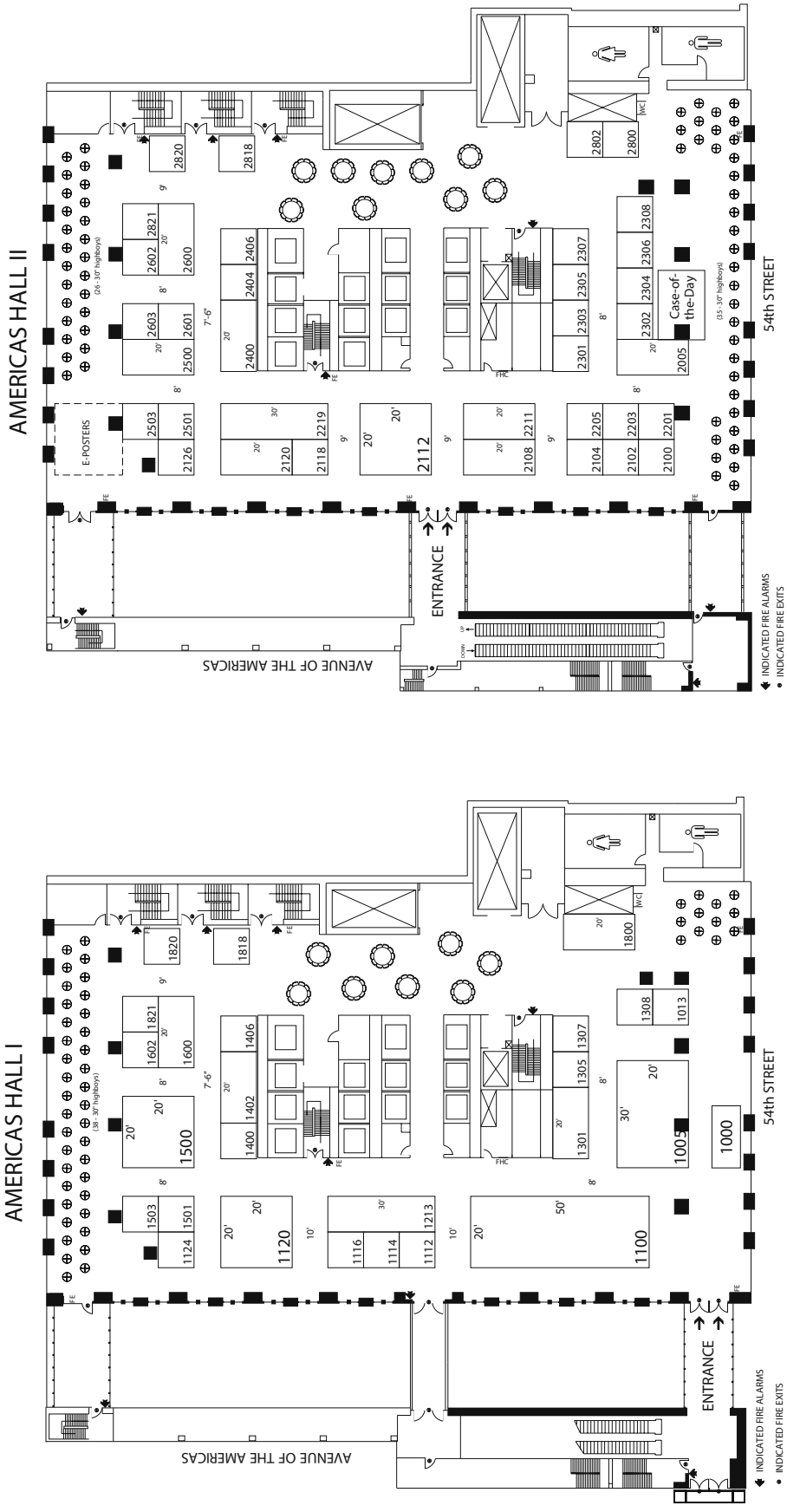

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1602 Gulfcoast Ultrasound Institute
1800 SuperSonic Imagine
1818 Telexy Healthcare, Inc
1820 Fetal Medicine Foundation USA (FMF)
1821 University of California San Francisco Medical Center
2005 Carestream Health
2100 Trice Imaging, Inc
2102 Verasonics, Inc
2104 Gammex
2108 SonoSite
2112 Siemens Medical Solutions USA, Inc
2118 SonoScape Medical Corp
2120 MedaPhor, Ltd
2201 Konica Minolta Medical Imaging
2203 Institute of Electrical and Electronics Engineers–Ultrasonics, Ferroelectrics, and Frequency Control (IEEE-UFFC) Society
2205 CIVCO Medical Solutions
2211 Nanosonics, Inc
2219 Alliance for Physician Certification and Advancement (APCA)
2219 American Registry for Diagnostic Medical Sonography (ARDMS)/Ultrasound Jobs
2301 Center for Fetal Diagnosis and Treatment at the Children's Hospital of Philadelphia (CHOP)
2219 Ultrasound Jobs
2302 Lexmark Healthcare
2303 PCI Medical, Inc
2304 Society for Maternal-Fetal Medicine (SMFM)
2305 Mercy
2306 Bracco Diagnostics, Inc
2307 CAE Healthcare
2308 Texas Tech University Health Sciences Center El Paso
2400 Hitachi Aloka Medical
2404 Radiological Society of North America (RSNA)
2406 3D Systems Healthcare
2500 American Registry of Radiologic Technologists (ARRT)
2501 UltraLinq Healthcare Solution, Inc
2503 Remote Medical Technologies
2600 Mindray North America
2601 HR Pharmaceuticals Inc.
2602 St. Davids North Austin Medical Center
2603 Simnext
2800 Terason
2802 CS Medical
2818 Sound Technology, Inc
2820 Elsevier

Alliance for Physician Certification and Advancement (APCA)

1401 Rockville Pike, Suite 600 Booth 2219
Rockville, MD 20852 USA
E-mail: cchung@ardms.org

The Alliance for Physician Certification and Advancement (APCA) is a nonprofit organization that administers examinations and awards certifications in the areas of physician vascular interpretation (RPVI and RPVI-China), musculoskeletal sonography (RMSK), and cardiovascular imaging (CBNC and CBCCT). The RPVI and RMSK certifications are accredited by ANSI-ISO 17024. In 2016, the APCA will begin awarding certificates in the areas of point-of-care ultrasound as well as abdominal* and obstetric and gynecologic sonography* (*exclusively for physicians in Latin America). The APCA has more than 21,000 certified physicians throughout the world and is part of the nonprofit Inteleos family of certification organizations.

Alpinion Medical Systems USA

21312 30th Dr SE, Suite 100 Booth 1305
Bothell, WA 98021 USA
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E-mail: julian.lee@alpinionusa.com
Website: http://www.AlpinionUSA.com

Alpinion Medical Systems is a leader in the development and production of diagnostic, research, and therapeutic ultrasound. The company offers diagnostic ultrasound systems for general imaging, women's health, cardiology, and musculoskeletal/head and neck. Winner of the Red Dot Design Award and iF Design Award for excellence in product innovation, our E-Cube portfolio of diagnostic ultrasound platforms ranges from premium to portable systems. Our innovative E-Cube 12R ultrasound research platform (Food and Drug Administration 510K) combines a premium clinical ultrasound system with a dedicated ultrasound research platform, allowing researchers to create more valuable clinical studies. Additionally, our preclinical high-intensity focused ultrasound (HIFU) systems, VIFU 2000 and ALPIUS 900, are designed for a wide range of ultrasound-guided HIFU applications within animal research. For more information please visit AlpinionUSA.com.

American Registry for Diagnostic Medical Sonography (ARDMS)/Ultrasound Jobs

1401 Rockville Pike, Suite 600 Booth 2219
Rockville, MD 20852 USA
Phone: 800-541-9754
Fax: 301-738-0312
E-mail: cchung@ardms.org
Website: http://www.ardms.org

The American Registry for Diagnostic Medical Sonography (ARDMS) is a nonprofit organization that administers examinations and awards certifications in the areas of diagnostic medical sonography (RDMS), diagnostic cardiac sonography (RDCS), vascular technology (RVT), and musculoskeletal sonography (RMSKS). ARDMS credentialing programs are accredited by ANSI-ISO 17024. The ARDMS has more than 85,000 certified sonographers throughout the world and is the recognized international standard in sonography credentialing. The ARDMS is part of the nonprofit Inteleos family of certification organizations.

American Registry of Radiologic Technologists (ARRT)

1255 Northland Dr Booth 2500
St Paul, MN 55120-1155 USA
Phone: 651-687-0048
E-mail: kathy.hendricks@arrt.org
Website: http://www.arrt.org

The American Registry of Radiologic Technologists (ARRT) sonography certification covers a wide scope of practice with just 1 exam and has eligibility pathways for practicing sonographers as well as for recent graduates of educational programs. Developed by practicing sonographers, educators, ultrasound physicians, and physicists, the 400-question exam is designed to be clear and complete. It covers the Joint Review Commission on Education in Diagnostic Medical Sonography–approved sonography curriculum and spans a spectrum of procedures, including abdomen and pelvis, obstetrics and gynecology, and more. ARRT certification provides qualified confidence for sonographers, their employers, and—ultimately—patients.

2016 EXHIBITORS

AS Software, Inc

560 Sylvan Ave Booth 1213
Englewood Cliffs, NJ 07632 USA
Phone: 201-541-1900
Fax: 201-541-1199
E-mail: slewis@as-software.com
Website: http://www.as-software.com

AS Software, Inc, delivers state-of-the-art ultrasound reporting and image management designed for obstetrics and gynecology, maternal-fetal medicine, radiology, and vascular medicine. It is a scalable and robust solution utilizing a structured clinical database to efficiently manage ultrasound information. AS-OBGYN is designed to be intuitive and easy to use. AS-OBGYN seamlessly integrates with your health information systems (eg, hospital information systems, radiology information systems, picture archiving and communication systems, electronic health records, and electronic medical records) to enable interoperability across platforms. AS-OBGYN is Food and Drug Administration 510(k) approved and Health Insurance Portability and Accountability Act compliant.

BK Ultrasound

8 Centennial Dr Booth 1301
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E-mail: drogne@bkultrasound.com
Website: http://www.bkultrasound.com

For 30 years, BK Ultrasound has played a leading role in procedure-driven markets, including urology, surgery, and point of care. With award-winning systems and unique transducer designs, BK directly addresses the specialized needs and challenges of clinicians worldwide, offering unsurpassed imaging capabilities enabling real-time image guidance with easy-to-use, mobile platforms.

Bracco Diagnostics, Inc

259 Prospect Plains Building H Booth 2306
Monroe Township, NJ 08831 USA
Phone: 309-514-2200
E-mail: holly.polo@dias
Website: http://www.bracco.com

CAE Healthcare

6300 Edgelake Dr Booth 2307
Sarasota, FL 34240 USA
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E-mail: sylva.sochor@cae.com
Website: http://caehealthcare.com/

CAE Healthcare delivers simulation training solutions to hospitals, physicians, nurses, students, emergency responders, and the military around the world. Each product is developed in partnership with clinicians and clinical educators whose aim is to ensure physiologic accuracy and educational relevance. Visit the CAE Healthcare booth to learn about our newest patient, imaging, and interventional simulators, including Vimedix and Blue Phantom. Ask about our Replay and LearningSpace audiovisual solutions for center management and debriefing.

Carestream Health

150 Verona St Booth 2005
Rochester, NY 14608 USA
Phone: 888-777-2072
E-mail: diane.evenson@carestream.com, erica.carnevale@carestream.com
Website: http://www.carestream.com

From a world leader in diagnostic imaging comes a true revolution in ultrasound: The Carestream Touch Prime and Touch Prime XE. With a configurable, all-touch control panel like nothing the industry has ever seen, the Touch Prime platform offers intuitive operation, innovative productivity tools, and powerful processing. The result is an all-new level of efficiency and image quality and increased frame rates for improved visualization

Center for Fetal Diagnosis and Treatment at the Children's Hospital of Philadelphia (CHOP)

Booth 2301

34th Street and Civic Center Boulevard,
Wood Center, Fifth Floor
Philadelphia, PA 19104-4399 USA
Phone: 215-590-5298
Fax: 215-590-2447
E-mail: macdonaldj@email.chop.edu, reynoldst3@email.chop.edu
Website: http://www.fetalsurgery.chop.edu

Celebrating 2 decades of advances, excellence, and hope. The world's largest prenatal therapy program has welcomed more than 18,000 families from around the globe. Team members pioneered the surgical techniques and care protocols that today define the field. A coleader of the landmark Management of Myelomeningocele Study proving the efficacy of fetal surgery for myelomeningocele. Home to the world's first delivery unit housed within a pediatric hospital and dedicated exclusively to pregnancies complicated by birth defects.

Chison Medical Imaging Co, Ltd

Booth 1308

9 Xin Hui Huan Rd
214028 New District, Jiangsu Province, China
Phone: 008-6510-8527-1308
Fax: 008-6510-8531-0021
E-mail: helen_shi@chison.com.cn
Website: http://www.chison.com

Chison Medical Imaging Co, Ltd, is one of the world's leading manufacturers of ultrasound systems. With its know-how of transducer design and strong technical force of modern biomedical engineering, software, and electronics, Chison has specialized in the development and manufacturing of high-quality ultrasound systems for 20 years

CIRS, Inc

Booth 1501

2428 Almeda Ave, Suite 316
Norfolk, VA 23513 USA
Phone: 757-855-2765
Fax: 757-857-0523
E-mail: abi@cirsinc.com
Website: http://www.cirsinc.com

For more than 30 years, CIRS has manufactured a wide range of ultrasound products for quality assurance, training, and demonstration. Products such as our Biometric Fetal Phantom, Vascular Access Training Kit and Thyroid Biopsy Phantom provide users with realistic tools to learn general scan techniques or practice ultrasound-guided interventional procedures. CIRS has several quality assurance phantoms, including phantoms designed as cost-effective solutions to meet American College of Radiology accreditation requirements. Visit CIRS at booth 1501 to learn more.

CIVCO Medical Solutions

Booth 2205

102 First Street S
Kalona, IA 52247-9588 USA
Phone: 800-445-6741
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E-mail: shannon.webb@civco.com
Website: http://www.civco.com/civco.htm

For more than 30 years, CIVCO Medical Solutions has been an industry leader in ultrasound, providing needle guidance solutions and infection control products across the spectrum of care.

Clarius Mobile Health Corp

Booth 1500

350-3605 Gilmore Way
Burnaby, BC V5G-4-X5, Canada
Phone: 778-800-9975
E-mail: megan.hughes@clarius.me
Website: http://www.clarius.me

Founded by ultrasound innovators, Clarius Mobile Health is on a mission to make ultrasound available to all clinicians. See our new handheld device at AIUM 2016.

CS Medical

Booth 2802

2179 E Lyon Station Rd
Creedmoor, NC 27522 USA
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E-mail: haydenmarshburn@csmedicalllc.com
Website: http://www.csmedicalllc.com/

2016 EXHIBITORS

Digisonics

3701 Kirby Dr Booth 1013
Houston, TX 77098 USA
Phone: 800-940-3240
E-mail: doraw@digison.net
Website: http://www.digison.net

Digisonics has set the standard in picture archiving and communication systems (PACS) and structured reporting systems for more than 25 years, with the first review station, the first fully functional Web-based system, and fully integrated 3-/4-dimensional analysis package. Digisonics solutions combine high-performance image review, structured reporting, an integrated clinical database, and powerful PACS image archive into one system for obstetric and gynecologic, vascular, and general ultrasound studies. Key applications are complemented with interfaces to information systems and third-party vendors for a seamless, efficient work flow. The result is greater productivity, improved report turnaround times, quicker reimbursement, and better overall patient care.

Elsevier

1600 John F. Kennedy Blvd, Suite 1800 Booth 2820
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E-mail: d.stanton@elsevier.com
Website: http://www.elsevierhealth.com

Elsevier is a worldβeading provider of information solutions that enhance the performance of science, health, and technology professionals, empowering them to make better decisions, deliver better care, and sometimes make groundbreaking discoveries that advance the boundaries of knowledge and human progress. Elsevier provides Webβbased, digital solutions—among them ScienceDirect, Scopus, Elsevier Research Intelligence, and ClinicalKey—and publishes more than 2500 journals, including *The Lancet and Cell*, and more than 33,000 book titles, including a number of iconic reference works. Elsevier is part of RELX Group plc, a worldβeading provider of information solutions for professional customers across industries.

Esaote

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Esaote, Indianapolis, is part of the Esaote Group, a global leader in research, production, and marketing diagnostic medical equipment with an emphasis on ultrasound and office-based magnetic resonance imaging. Find more at www.esaoteusa.com

Fetal Medicine Foundation USA (FMF)

5425 Fishburg Rd, Unit 24235 Booth 1820
Dayton, OH 45424 USA
Phone: 937-208-8382
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E-mail: downingc@fetalmedicine.com
Website: http://www.fetalmedicinusa.com

The Fetal Medicine Foundation (FMF) is recognized as the world leader in first-trimester screening (FTS) training and accreditation, attended by more than 60,000 participants worldwide. We are a nonprofit charitable organization whose main goal is to improve the health of pregnant women and their babies through our programs. Free online courses are available at www.fetalmedicineusa.com in FTS, Doppler ultrasound, echocardiography, cervical assessment, videos of fetal defects, and lectures. The 11- to 13-week scan course covers all of the important aspects of FTS screening for chromosomal abnormalities, the diagnosis of major fetal defects, and screening for preeclampsia. First-trimester accreditation offered includes nuchal translucency, nasal bone, tricuspid flow, ductus venosus, and uterine artery Doppler.

Gammex

7600 Discovery Dr Booth 2104
Middleton, WI 53562 USA
Phone: 608-828-7000
Fax: 608-828-7500
E-mail: pid@gammex.com
Website: http://www.gammex.com

Gammex, a Sun Nuclear Company, is a worldwide leader in the manufacture and sale of quality assurance phantoms for ultrasound applications. Our solutions include our portable Doppler Flow and Sono phantom families, which feature our patented High Equivalency (HE) gel. In addition to ultrasound phantoms, Gammex provides products for applications in the diagnostic radiology, mammography, radiation oncology, and laser alignment markets.

GE Healthcare

9900 Innovation Dr Booth 1100
Wauwatosa, WI 53226 USA
Phone: 866-344-3633
E-mail: kathy.elliott@ge.com
Website: http://www.gehealthcare.com/ultrasound

GE is making a new commitment to health. Healthymagination will change the way we approach health care, with more than 100 innovations all focused on addressing three critical needs: lowering costs, touching more lives and improving quality. For more information, visit our website at www.gehealthcare.com.

Hays Innovations

5432 W Central Ave, Suite B Booth 1114
Toledo, OH 43609 USA
Phone: 419-214-1140
E-mail: teamhays@haysinc.org

Hays Innovations is a veteran-, minority-, and physician-owned company that specializes in the development and production of novel medical products. Our current featured innovation is the Anchor Sound, an innovative solution that allows the user to attach an ultrasound probe to the sterile field and thereby avoid ultrasound probe damage. The device also increases efficiency and decreases the potential for sterile field contamination.

Hitachi Aloka Medical

10 Fairfield Blvd Booth 2400
Wallingford, CT 06592-5903 USA
Phone: 203-269-5088
Fax: 203-269-6075
E-mail: jlanci@hitachi-aloka.com
Website: http://www.hitachi-aloka.com

As a recognized leader in ultrasound innovation, Hitachi Aloka Medical is known for unparalleled image quality, superior system reliability, and intuitive use of innovative technologies. Hitachi Aloka Medical has the answers for all of your clinical diagnostic requirements.

HR Pharmaceuticals Inc.

2651 Carnegie Rd Booth 2601
York, PA 17402 USA
Phone: 877-302-1110
Fax: 717-685-2590
E-mail: jwiesman@hrpharma.com
Website: http://www.hrpharma.com

HR Pharmaceuticals owns the 2 legacy surgical lubricants Surgilube and HR lubricating jelly, both dating back to the early 1930s. In the late 1940s, ultrasound began to change the landscape of medicine, and HR was used as an ultrasound couplant; years have past, and today the HR brand is considered a premium-quality ultrasound jelly in the marketplace. Our long-term objective is to support the efforts of the AIUM by developing innovative products and packaging that support our unique "procedure-specific/low unit of measure" concept designed to reduce the risk of cross-contamination, which is to focus on all health systems worldwide.

Institute of Electrical and Electronics Engineers–Ultrasonics, Ferroelectrics, and Frequency Control (IEEE-UFFC) Society

Attn: Dan Stevens, UFFC-S Treasurer Booth 2203
445 Hoes Ln
Piscataway, NJ 08854 USA
E-mail: rwodnick@usc.edu

2016 EXHIBITORS

JP Medical Publishers

122 W 287th St, 10th Floor Booth 1112
New York, NY 10001 USA
Phone: 212-933-1409
E-mail: mhill@mphconsult.com
Website: http://www.jpmedpub.com/

JP Medical publishes for the undergraduate, postgraduate, and specialist markets. As the UK-based, wholly owned subsidiary of Jaypee Brothers Medical Publishers (P), Ltd, South Asia's largest and fastest growing medical publisher, JP Medical distributes books, journals, and online services in North America, Europe, the Middle East, and Africa and also publishes new titles from authors in these regions. Among the new releases at our booth this year will be *Musculoskeletal Ultrasound* by Marnix van Holsbeeck and Joseph Introcaso. Browse our full range of publications at www.jpmedpub.com.

Konica Minolta Medical Imaging

411 Newark Pompton Tpk Booth 2201
Wayne, NJ 07470 USA
Phone: 800-934-1034
E-mail: showgun@comcast.net
Website: http://www.konicaminolta.com/medicalusa

Konica Minolta Medical Imaging (KMMI) is a leading manufacturer of ultrasound and traditional imaging products for diagnostic use by physicians, hospitals, imaging centers, and clinics. KMMI creates products and services that innovate and create real benefit and value, including the new SonImage P3 handheld system. Visit us at www.konicaminolta.com/medicalusa for more information.

Lexmark Healthcare

8900 Renner Rd Booth 2302
Lenexa, KS 66219 USA
E-mail: teresa.seltman@lexmark.com
Website: http://www.lexmark.com/en_us/solutions/healthcare.html

Lexmark Healthcare uniquely delivers complete patient information within the core applications you use, everyday. Our enterprise medical imaging platform combines industry-leading technology, including a vendor-neutral archive, enterprise viewing, PACSGEAR connectivity, and process intelligence. Lexmark Healthcare helps you gain ownership of your imaging content at its foundation so you can make it available in a patient-centered manner where and when it's needed to improve patient outcomes.

Lippincott Williams & Wilkins

850 Sandhill Sage St Booth 1400
Henderson, NV 89052 USA
E-mail: steve.gervase@wolterskluwer.com

MedaPhor, Ltd

The Medicentre, Heath, Suite 4 Booth 2120
Cardiff CF144-UJ, Wales
Phone: 44-2920-756534
E-mail: zara.may@medaphor.com
Website: http://www.medaphor.com

MedaPhor (AIM:MED) is a global provider of advanced ultrasound skills-training simulators for medical professionals. Founded in 2004, the company is headquartered in Cardiff, Wales, and San Diego, California, with customers in more than 16 countries across the world. ScanTrainer Professional, Medaphor's market-leading ultrasound skills-training simulator, offers a realistic ultrasound scanning learning experience that combines "real-feel" haptic technology with real full-anatomy patient scans, real-time one-to-one expert guidance, and curriculum-based teaching. The system offers trainees a flexible self-learning experience without the need for patients and with minimal requirements for expert supervision, making ScanTrainer Professional both resource efficient and highly cost-effective. ScanTrainer Professional's subscription-based Cloud 2 service offers ScanTrainer users access to the Case Generation Engine, which enables them to upload and publish their own patient scans and share these with other Cloud 2 subscribers within their organization or around the world. Cloud Case Library offers users flexible cloud access to a growing library of more than 200 normal and abnormal cases created using real patient scans. For more information, please visit www.medaphor.com, follow us on Twitter @ScanTrainer, join our LinkedIn company page, or like us on Facebook.

Mercy

1965 S Fremont Ave Booth 2305
Springfield, MO 65804 USA
Phone: 417-820-3549
Fax: 417-820-7495
E-mail: deborah.eaton@mercy.net
Website: http://www.mercy.net

Mercy is the seventh largest Catholic health care system in the United States and serves millions annually. Mercy includes 46 acute care and specialty (heart, children's, orthopedic, and rehabilitation) hospitals, more than 700 physician practices and outpatient facilities, 40,000 coworkers, and more than 2000 Mercy Clinic physicians in Arkansas, Kansas, Missouri, and Oklahoma. Mercy also has outreach ministries in Louisiana, Mississippi, and Texas. Mercy Clinic is a strong physician-led and professionally managed integrated health care system. We focus on clinical integration across our communities, ensuring that the latest technology and specialty care are available to support even our most outlying primary care locations.

Mindray North America

800 Mac Arthur Blvd Booth 2600
Mahwah, NJ 07430 USA
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Website: http://mindrayna.com/

Mindray is a leading global medical equipment manufacturer offering a broad range of medical solutions for medical imaging, patient monitoring and life support, and diagnostics. With the recent acquisition of ZONARE Medical, a leader in innovative ultrasound technology, Mindray leverages a compendium of imaging products, from hand-carried compact systems for point of care to premium cart-based systems for departmental and shared service settings. Mindray ultrasound products are designed to meet clinicians' evolving needs for superior image quality, clinical versatility, and unparalleled value.

Nanosonics, Inc

17793 Technology Ln Booth 2211
Fishers, IN 46038 USA
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E-mail: p.patole@nanosonics.com.au
Website: http://www.trophon.com

Nanosonics has developed a unique automated disinfection technology, which is the first major innovation in high-level disinfection for ultrasound probes in more than 20 years. This proprietary technology is now being introduced around the world and has the opportunity to become the new standard of care, as it safely and effectively addresses the issues with traditional ultrasound probe disinfection practices. The company is the inventor and manufacturer of Trophon EPR, the first automated high-level disinfection system that delivers fast, safe, and effective ultrasound transducer disinfection. It is the first and only system that is proven to kill high-risk, cancer-causing human papillomavirus. The device complies with leading health care recommendations and is cleared for sale in all major global markets, including the United States. To find out more, please visit www.trophon.com, call 844-TROPHON, or meet us at Nanosonics booth 2211.

Parker Laboratories, Inc

286 Eldridge Rd Booth 1307
Fairfield, NJ 07004-2509 USA
Phone: 973-276-9500
Fax: 973-276-9510
E-mail: jdelaney@parkerlabs.com
Website: http://www.parkerlabs.com

Parker Laboratories, Inc, established in 1958, is a leading manufacturer of medical ultrasound and electromedical contact media, including gels, lotions, and pads. Parker's products are recognized globally by health care professionals as standards of excellence and products of choice.

PCI Medical, Inc

6 Winter Ave Booth 2303
Deep River, CT 06417 USA
Phone: 877-476-4229
E-mail: rfeser@pcimedical.com
Website: http://www.pcimedical.com

2016 EXHIBITORS

Philips Healthcare

3000 Minuteman Rd Booth 1120
Andover, MA, 01810-1032 USA
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E-mail: marcia.haskell@philips.com
Website: http://www.philips.com/healthcare

At Philips, we look beyond technology to the experiences of patients, providers, and caregivers across the health continuum from healthy living to prevention, diagnosis, treatment, and home care. We unlock insights leading to innovative solutions that help deliver better care at lower costs. It's a unique perspective empowering us all to create a healthier future.

Radiological Society of North America (RSNA)

820 Jorie Blvd Booth 2404
Oak Brook, IL 60523-2251 USA
Phone: 630-571-2670
Fax: 630-571-7837
E-mail: etonazzi@rsna.org
Website: rsna.org

The Radiological Society of North America (RSNA) is an international society of radiologists, medical physicists, and health care leaders with more than 54,000 members from 136 countries. RSNA is committed to radiologic education, improving patient care, exploring innovation, and maintaining best practices in radiology. RSNA hosts the world's premier radiology forum, drawing approximately 55,000 attendees and more than 600 exhibitors annually to Chicago to learn the latest in radiologic techniques and practice management and meet with vendors offering radiology equipment and services. RSNA publishes 2 top peer-reviewed journals: *Radiology*, the highest-impact scientific journal in the field, and *RadioGraphics*, the only journal dedicated to continuing education in radiology. The society develops and offers informatics-based software solutions to support a universal electronic health record, sponsors research to advance quantitative imaging biomarkers, and conducts outreach to enhance education in developing nations. Through its Research & Education Foundation, RSNA provides millions of dollars in funding to aspiring investigators, supporting radiology's future.

Remote Medical Technologies

15 Barrington Pl Booth 2503
Melville, NY 11747 USA
Phone: 631-491-6614
E-mail: anne.khan@rmtcentral.com
Website: http://www2.rmtcentral.com/

Remote Medical Technologies' iMedHD2 Teleultrasound and EyeCandy—a wearable device solution—both stream high definition images in real time anywhere and anytime. The only live telemedicine system to feature high-definition technology with no delay, iMedHD2 lets you share and view spectacularly crisp, clear images. Capture video (with or without audio), take snapshots, or make annotations with this highly secure and easily integrated system. Immediately collaborate with physicians and colleagues down the street or around the word.

Samsung

85 Challenger Rd Booth 1005
Ridgefield Park, NJ 07660 USA
Phone: 201-229-4000
E-mail: dchung@neurologica.com
Website: http://www.samsung.com/business

Samsung NeuroLogica, a health care subsidiary of Samsung Electronics Co, Ltd, develops, manufactures, and markets innovative imaging technologies and is committed to delivering fast, easy, and accurate diagnostic solutions to health care providers. NeuroLogica, the global corporate headquarters and manufacturer of Samsung computed tomography, is also the US headquarters for sales, marketing, and distribution of all Samsung digital radiographic and ultrasound systems. NeuroLogica's growing portfolio of advanced medical technologies is used worldwide in leading health care institutions, helping providers enhance patient care, improve patient satisfaction, and increase work flow efficiency. Samsung is committed to being a leader in the field of health care imaging. For more information, please visit www.SamsungNeuroLogica.com.

Siemens Medical Solutions USA, Inc

40 Liberty Blvd Booth 2112
Malvern, PA 19355 USA
Phone: 610-448-4500
E-mail: kaiyane.bynoe@siemens.com
Website: http://www.usa.siemens.com/ultrasound

Siemens Medical Solutions develops innovations that support better patient outcomes with greater efficiencies, giving providers the confidence they need to meet the clinical, operational, and financial challenges of a changing health care landscape. As a global leader in medical imaging, laboratory diagnostics, and health care information technology, we have a keen understanding of the entire patient care continuum—from prevention and early detection to diagnosis and treatment. For further information, please visit www.usa.siemens.com/healthcare.

Society for Maternal-Fetal Medicine (SMFM)

409 12th St SW Booth 2304
Washington, DC 20024 USA
E-mail: jspitz@perinatalquality.org

The Society for Maternal-Fetal Medicine (SMFM) formed the Perinatal Quality Foundation (PQF) as an independent nonprofit 501(c)(3) organization in 2004. The mission of the PQF is to improve the quality of obstetric 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 PQF is committed to disseminating consensus practice protocols and to providing clinician and provider education, monitoring measures, and consensus discussions on emerging obstetric technologies. The strength of the PQF is its ability to bring together experts, thinkers, and leaders devoted to maternal and fetal health to reflect on, select, and implement programs to facilitate quality perinatal patient care. The PQF initiated the Nuchal Translucency Quality Review (NTQR) program in 2005. The Cervical Length and Education Review (CLEAR) program was begun in 2011, the Fetal Monitoring Credentialing (FMC) program in 2013 and the Genetic Education Module (GEM) in 2016. Information and details about all of the programs may be found at the AIUM exhibit booth or at http://www.perinatalquality.org.

SonoScape Medical Corp

10/F Yizhe Building, Yuquan Road Booth 2118
518051 Shenzhen, China
Phone: 86-755-2672-2890
Fax: 86-755-2652-6612
E-mail: aileen.wang@sonoscape.net
Website: http://www.sonoscape.com/

SonoScape is a world-leading medical equipment company. SonoScape has been well known for its advanced ultrasound imaging systems since 2002. Now SonoScape has also extended its landscape to electrocardiology, endoscopy, and other applications to address the growing needs of a diverse market.

SonoSim, Inc

1738 Berkeley St Booth 1116
Santa Monica, CA 90404 USA
Phone: 323-473-3791
Fax: 424-652-2270
E-mail: heidi@sonosim.com

SonoSim is dedicated to improving and transforming medical care by serving as a global leader in ultrasound education and training. With its staff of leading ultrasound educators, instructional designers, content editors, scientists, and software developers, SonoSim has created the easiest, most effective, and most convenient way to learn ultrasound: the SonoSim Ultrasound Training Solution.

SonoSite

21919 30th Dr SE Booth 2108
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Website: https://www.sonosite.com/

SonoSite FujiFilm, the world leader in bedside and point-of-care (POC) ultrasound, delivers solutions that meet imaging needs of the medical community. SonoSite has been defining, and redefining, next-generation POC ultrasound for decades. As a recognized market leader, SonoSite has continued to enjoy remarkable growth while earning worldwide recognition for its progressive product line, educational programs, and advocacy for a broader understanding of ultrasound's multiple benefits. SonoSite continues to influence the future of medical ultrasound in both the clinical and preclinical markets and their systems provide clinicians around the world with a cost-effective tool for improving patient safety and work flow efficiency.

2016 EXHIBITORS

Sonultra Corporation

6345 Balboa Blvd, Building III, Suite 360 Booth 1406
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Sonultra Corporation's patented technologies can help grow and manage your practice. Solutions for mobile and satellite expansion, Web access to reporting and imaging, picture archiving and communication systems, and hospital information system/radiology information system/electronic medical record integration continue to enhance the 25+ years of solutions we have provided to hospitals, private practices, and your colleagues. Come see our latest offerings.

Sound Technology, Inc

401 Science Park Rd Booth 2818
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Sound Technology, Inc (STI), located in State College, Pennsylvania, and a subsidiary of AnalogicCorporation, is a global leader in the development and production of medical ultrasound probes for original equipment manufacturers (OEMs). Founded in 1987, STI has consistently provided our customers with technically superior probe designs for demanding OEM and end-user requirements. These designs include a complete portfolio of medical ultrasound probes for a wide range of applications, including radiology, cardiology, obstetrics, gynecology, urology, and surgery. From the initial design phase through production release, STI's Probe Development Team works closely with our customers to exceed all performance requirements, achieve optimal integration between our probes and ultrasound systems, and provide creative ergonomic solutions for the comfort of both sonographers and patients. This dedication to design and technical excellence has resulted in our highly respected reputation among the world's leading manufacturers of medical ultrasound systems. Utilizing Analogic's expanded manufacturing operations in Shanghai, China, STI can now offer custom probe cable assemblies to OEMs. Your custom cable designs are developed by our Cable Development Team in State College and then transferred to Analogic's Shanghai manufacturing facility to provide our customers with the best possible cost solutions. STI's Business Development Team looks forward to discussing your needs for ultrasound probe and probe cable assembly solutions to improve your image in the ultrasound market.

SuperSonic Imagine

2625 Weston Rd Booth 1800
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Website: http://www.supersonicimagine.com

SuperSonic Imagine is an innovative ultrasound imaging company that has developed a revolutionary ultrasound system: the Aixplorer. Aixplorer is the only system on the market with an UltraFast Imaging platform that ensures impeccable image quality and 2 breakthrough technologies: ShearWave Elastography (SWE) and UltraFast Doppler (UFD). SWE is the only Food and Drug Administration–cleared technology that measures shear wave velocity in real-time. SWE displays local tissue elasticity on a color-coded map in kilopascals. UFD unites color flow imaging with pulsed wave Doppler. Three seconds of scanning renders high-quality flow information, ultrafast color frame rates without compromises, and complete spectral Doppler analysis.

Telexy Healthcare, Inc

11830 223rd St Booth 1818
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Terason

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Terason continues to revolutionize ultrasound with the latest developments in high-performance portable systems. Our uSmart products provide exceptional imaging capability and the advanced features and functionality you have come to expect from Terason. These complete ultrasound solutions optimize work flow, enhance clinical efficacy, and increase productivity for everyday clinical needs.

Texas Tech University Health Sciences Center El Paso

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3D Systems Healthcare

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3D Systems Healthcare solutions enhance quality of life through the use of 3-dimensional (3D) printing, surgical planning, and personalized medical technologies. We are dedicated to helping medical professionals train for, plan, practice, and perform complex medical procedures and achieve better patient outcomes. 3D Systems develops innovative and effective simulation products and solutions for the education and training of medical professionals. Visit our booth to experience the U/S Mentor advanced virtual reality simulator for the training of ultrasound-related examinations. This product offers multidisciplinary, realistic hands-on training for the ever-growing utilization of ultrasound in medicine at point-of-care, obstetrics and gynecology, echocardiography, and other settings. It provides medical students, residents, fellows, practicing physicians, sonographers, and others an opportunity to acquire and improve their technical, procedural, and diagnostic skills in various fields, including basic and advanced echocardiography, emergency medicine, thoracic-abdomen, transesophageal echocardiography, obstetrics and Gynecology, and more. 3D Systems' training products are developed by an experienced research and development team in collaboration with global medical experts. Simulators in more than 70 countries are supported by our world-class customer support center, which is available 24/7 to provide the most responsive service available. To learn more about the U/S Mentor and other available simulators, visit www.simbionix.com, or contact us at simbionix@3dsystems.com.

Toshiba America Medical Systems, Inc

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E-mail: debbi.kemp@toshiba.com
Website: http://medical.toshiba.com

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Trice Imaging, Inc

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University of California San Francisco Medical Center

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In 1981, the University of California San Francisco (UCSF) was the first institution in the world to successfully perform open fetal surgery. Our continuous pursuit of innovation and discovery has included milestones such as the first successful open fetal surgery for urinary tract obstruction, congenital diaphragmatic hernia, and tumors causing life-threatening conditions; the design and use of a uterine stapling device for fetal surgery; the introduction of fetoscopic repair of fetal spina bifida; and participation in more fetal surgery clinical trials than any other institution. About 500 families come to our center each year, and our patients have access to an experienced multidisciplinary team that is specially trained to identify and diagnose rare fetal anomalies. Many of these advanced diagnostic tools were pioneered at UCSF. The Fetal Treatment Center is part of the Division of Pediatric Surgery at UCSF Benioff Children's Hospital San Francisco, which is dedicated to providing expert surgical care for fetuses, infants, children, and adolescents with congenital and acquired conditions. We have also partnered with the UCSF Pediatric Heart Center to create the Fetal Cardiovascular Program, which performs sophisticated imaging as early as the late first trimester to assess and manage both fetal and pediatric heart conditions.

UltraLinq Healthcare Solution, Inc

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Ultrasound Jobs

1401 Rockville Pike, Suite 600 Booth 2219
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Website: http://www.UltrasoundJOBS.com

UltrasoundJOBS.com is the only recruitment site exclusively devoted to ultrasound professionals, offering a service that will enhance their professional development through the use of the latest cutting-edge technology. For nearly 15 years, UltrasoundJOBS.com has partnered with the American Registry for Diagnostic Medical Sonography, with the commitment to providing the recruiting tools needed when promoting quality care and patient safety through the certification and continuing competency of ultrasound professionals. For more information, please visit www.UltrasoundJOBS.com.

Verasonics, Inc

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[1] The Joint Commission expects guidelines such as ANSI/AAMI ST58:2013 to be met. These state "high level disinfected items should be protected from contamination until the item is delivered to the point of use". The CDC and the FDA are now alerting healthcare providers and facilities about the need to properly maintain, clean, and disinfect or sterilize reusable medical devices. All healthcare facilities with reusable medical devices are being urged to review their practices to ensure they comply with device manufacturers' instructions and current standards and guidelines.

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