American Institute of Ultrasound in Medicine

2007 Final Program

American Institute of Ultrasound in Medicine
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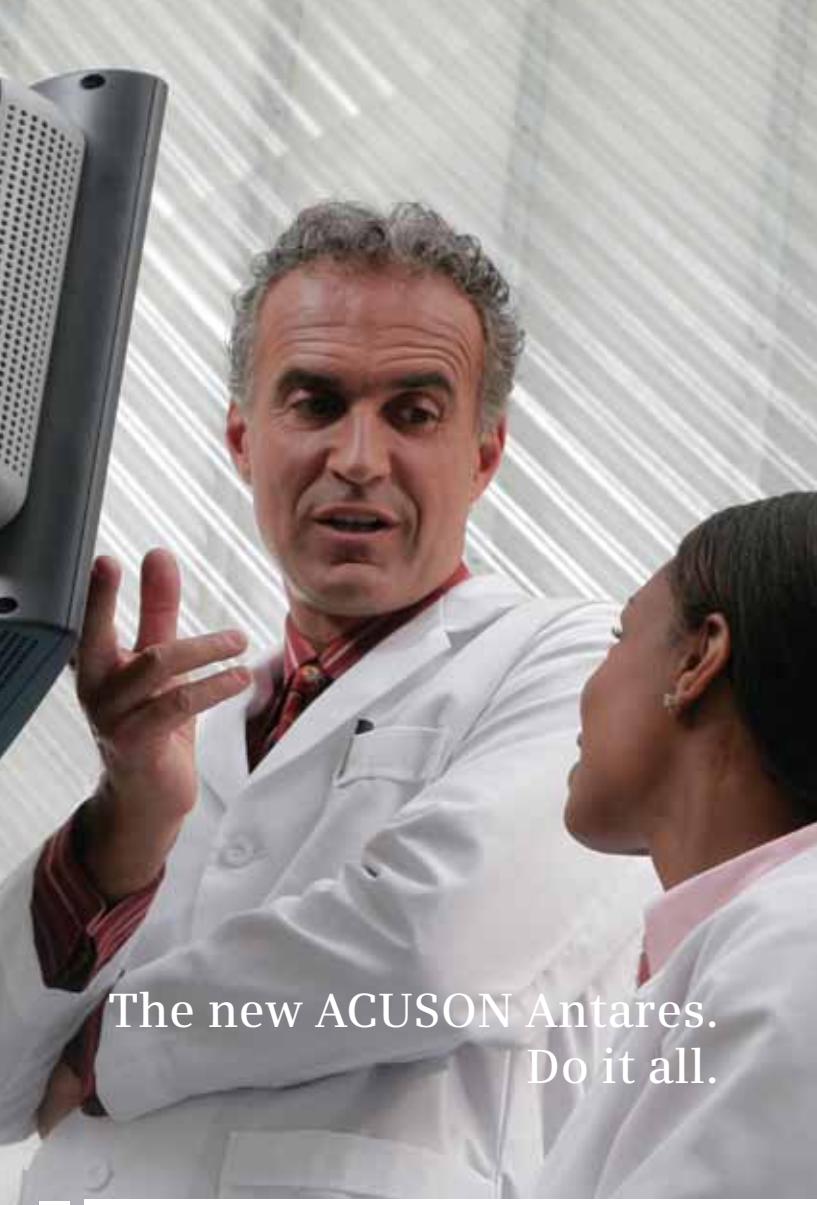

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Note: Circles correspond to color-coded pages.

Endowment for Education and Research Grant Findings

Symbol indicates courses that will be videotaped.

An educational experience that stands out in a crowd.

2007 AIUM Annual Convention and Preconvention Program

Schedule at a Glance

Thursday, March 15, 2007

6:30 AM–5:45 PM	Registration Open
7:00 AM–8:00 AM	Preconvention Breakfast
7:30 AM–5:30 PM	Preconvention Program
1:30 PM–9:00 PM	Professional Interest Section Meetings
8:00 PM–10:00 PM	Presidential Reception for New Members and Leadership *(by invitation only)*

Friday, March 16, 2007

6:30 AM–4:15 PM	Registration Open
7:00 AM–8:00 AM	Meet-the-Professor Sessions
8:15 AM–9:45 AM	Categorical Courses
8:15 AM–9:45 AM	Hands-on Course: Interventional Ultrasound-Guided Biopsies
10:00 AM–11:30 AM	Scientific Sessions
10:00 AM–11:30 AM	Just Images Session: Obstetric and Gynecologic Ultrasound
11:45 AM–12:45 PM	Meet-the-Professor Sessions
12:00 PM–3:00 PM	Exhibit Hall Open
1:45 PM–3:15 PM	Categorical Courses
1:45 PM–3:15 PM	Hands-on Course: Ultrasound-Guided Procedures
3:30 PM–5:30 PM	Plenary Session: Awards and Entertainment
5:30 PM–7:30 PM	Opening Reception

Saturday, March 17, 2007

6:30 AM–5:45 PM	Registration Open
6:45 AM–7:45 AM	Meet-the-Professor Sessions
8:00 AM–9:30 AM	Categorical Courses
8:00 AM–9:30 AM	Hands-on Course: Musculoskeletal Ultrasound
8:00 AM–9:30 AM	"Getting Started" Ultrasound Practice Accreditation Workshop
9:30 AM–4:30 PM	Exhibit Hall Open
9:30 AM–10:30 AM	Refreshment Break
10:30 AM–12:00 PM	Scientific Sessions
10:30 AM–12:00 PM	New Investigator Session
12:15 PM–1:15 PM	Meet-the-Professor Sessions
12:15 PM–1:15 PM	Scientific Poster Discussion
12:15 PM–1:15 PM	Lunch Break in Exhibit Hall
1:30 PM–3:30 PM	Categorical Courses
1:30 PM–3:30 PM	Hands-on Course: Three-Dimensional Volume Manipulation in Obstetrics and Gynecology—Basic to Advanced Techniques
3:30 PM–4:30 PM	Refreshment Break
3:30 PM–4:30 PM	Professional Interest Section Meetings
4:30 PM–5:30 PM	Scientific Sessions
4:30 PM–5:30 PM	Just Images Session: Pediatric and Cardiovascular Ultrasound
7:00 PM–11:00 PM	Leadership Banquet and Club AIUM *(by invitation only)*

Sunday, March 18, 2007

6:30 AM–5:00 PM	Registration Open
7:00 AM–8:00 AM	Meet-the-Professor Sessions
8:15 AM–10:15 AM	Categorical Courses
8:15 AM–10:15 AM	Hands-on Course: Cardiovascular Ultrasound
8:15 AM–10:15 AM	Hands-on Course: Neurosonology
9:30 AM–1:30 PM	Exhibit Hall Open
10:15 AM–11:15 AM	Refreshment Break
11:15 AM–12:15 PM	Film Panel Sessions
12:30 PM–1:30 PM	Meet-the-Professor Sessions
12:30 PM–1:30 PM	Scientific Poster Discussion
12:30 PM–1:30 PM	Lunch Break in Exhibit Hall
1:30 PM–2:00 PM	AIUM Business Meeting
1:45 PM–3:15 PM	Categorical Courses
3:30 PM–5:00 PM	Scientific Sessions
3:30 PM–5:00 PM	Just Images Session: Abdominal and Musculoskeletal Ultrasound

Monday, March 19, 2007

8:00 AM–1:00 PM	Board of Governors Meeting

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The breakthrough effect

At GE Healthcare, we believe an innovative idea can achieve transformational results. We focus on ultrasound applications that will create new clinical value for you and your patients. Then, we bring them to life through annual breakthroughs within our **LOGIQ**®, **Vivid**® and **Voluson**® product families.

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imagination at work

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General Information

Committee Office Hours

Hart • Fourth Floor

Thursday, March 15, 2007	7:30 AM–5:00 PM
Friday, March 16, 2007	7:30 AM–4:15 PM
Saturday, March 17, 2007	7:30 AM–5:30 PM
Sunday, March 18, 2007	7:00 AM–2:30 PM

Registration Hours

Fifth Floor Foyer

Thursday, March 15, 2007	6:30 AM–5:45 PM
Friday, March 16, 2007	6:30 AM–4:15 PM
Saturday, March 17, 2007	6:30 AM–5:45 PM
Sunday, March 18, 2007	6:00 AM–5:00 PM

Exhibit Hall Hours

Fifth Floor

Friday, March 16, 2007	12:00 PM–3:00 PM
Opening Reception	5:30 PM–7:30 PM
Saturday, March 17, 2007	9:30 AM–4:30 PM
Sunday, March 18, 2007	9:30 AM–1:30 PM

AIUM Resource Center Hours

Fifth Floor Foyer

Friday, March 16, 2007	8:00 AM–4:15 PM
Saturday, March 17, 2007	8:00 AM–5:30 PM
Sunday, March 18, 2007	8:00 AM–2:00 PM

Hotel Information

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

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

Need Help?

If you have a question about the convention, look for the blue denim shirts. The AIUM staff will be wearing these shirts Thursday through Sunday.

Business Center

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

Videotaping and Photography Policy

The AIUM does not allow any unauthorized videotaping or photography during the AIUM Annual Convention or Preconvention Program.

Please note that photographs taken by AIUM staff during the convention may be used for news coverage of the event and/or for future AIUM promotional materials. In addition, several courses may be videotaped for inclusion in the AIUM's educational video program library.

Medical Emergencies

In case of a personal emergency during your stay at the Marriott Marquis Hotel, dial 0 for the hotel operator. The nearest hospital is Roosevelt Hospital, 1000 10th Ave at 59th St, New York, NY 10019. The telephone number is 212-523-4000.

Children

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

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

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

Convention Registration Information

Registration fees are payable with submission of the registration form. Convention registration fees cover attendance to all sessions held Friday, March 16, through Sunday, March 18, 2007 (except the Meet-the-Professor sessions).

Meet-the-Professor Sessions

Meet-the-Professor (MTP) sessions are slightly different this year. We will not be offering meals; we will offer beverage service only. Registration for MTP sessions is on a first-come, first-served basis, according to the date of receipt of the registration form. There is no waiting list for sold-out sessions. Those who have registered for sessions have received notification. If your requested session was sold out, we have not charged your credit card. If you paid by check, you will receive a refund check, which you will receive separate from your confirmation. Tickets for entrance to the MTP sessions have been issued on-site with your registration materials.

AIUM Member Registration Rates

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

Spouse/Guest

You may register a spouse/guest for $50, which provides access to the Exhibit Hall.

Cancellations

Written cancellations must be received by January 5, 2007, to receive a refund of meeting registration fees minus a $75 administrative fee. Written cancellations after January 5, 2007, will not receive a refund. Written cancellations must be received by the AIUM via fax or mail. No exceptions will be made to the policy.

Fragrance

Attendees are urged to refrain from using perfume, cologne, and other fragrances for the comfort of all participants.

Smoking

Smoking is prohibited in the meeting rooms and Exhibit Hall. The New York Marriott Marquis Hotel is a 100% smoke-free environment.

Cell Phones

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

Educational Opportunities

Course Format Descriptions

- **Preconvention Program**—Attend courses providing in-depth coverage of ultrasound issues. Earn up to 8 CME credits.
- **Categorical Courses**—Choose from concurrent courses developed by section chairs and the Annual Convention Committee and presented by distinguished ultrasound professionals.
- **Hands-on Courses**—Participate in courses covering 3-dimensional volume manipulation in obstetrics and gynecology, emergency ultrasound, interventional ultrasound, musculoskeletal ultrasound, neurosonology, and vascular ultrasound.

  More hands-on courses added for 2007!
- **Matrix Modules**—Attend comprehensive presentations combining categorical and scientific presentations. Topics will include obstetric, gynecologic, and vascular ultrasound.

  New course format!
- **Meet-the-Professor (MTP) Sessions**—Participate in small-group sessions led by renowned ultrasound professionals. Space is limited to 40 participants per session. Each MTP session requires an additional $20 fee. (Note: The registration fee for MTP sessions has been reduced, as breakfast and lunch will not be served.) Earn up to 6 CME credits.
- **Scientific Sessions**—Learn about the latest case reports and research in ultrasound. Topics include:
  - Basic Science
  - Breast Ultrasound
  - Clinical Tissue Characterization
  - Emergency Ultrasound
  - General Abdominal Ultrasound
  - Genitourinary Ultrasound
  - Gynecologic Ultrasound
  - High-Frequency Clinical and Preclinical Imaging
  - Interventional/Intraoperative Ultrasound
  - Obstetric Ultrasound
  - Pediatric Ultrasound
  - Sonography Practice
- **Just Images Sessions**—View and discuss unique cases with the physicians who made the diagnoses. Topics include abdominal ultrasound, musculoskeletal ultrasound, obstetric and gynecologic ultrasound, pediatric ultrasound, and vascular ultrasound.

  Sessions now offered in a variety of ultrasound topics!
- **Film Panel Sessions**—Discuss unknown ultrasound cases in either general or obstetric ultrasound.
- **Scientific Poster Exhibits**—View the latest research in progress presented in a visual format.
- **Accreditation "Getting Started" Workshop**—Learn how easy it is to complete the ultrasound practice accreditation process and get answers to the most commonly asked questions regarding accreditation.
- **Case-of-the-Day Challenges**—Test your abilities each day by diagnosing unique case studies.
- **Professional Interest Section Meetings**—Meet with other ultrasound professionals who share your interests, plan future AIUM educational programs, and discuss the issues in your specialty.

Committee Meeting Schedule

Room names are listed under the time of each meeting.

Wednesday, March 14, 2007

11:00 AM–4:00 PM — Output Standards Subcommittee
Brecht

5:00 PM–9:00 PM — IEC Subcommittee
Brecht

Thursday, March 15, 2007

8:00 AM–12:00 PM — Technical Standards Committee
Brecht

12:00 PM–1:00 PM — Annual Convention Committee
O'Neill

2:00 PM–8:00 PM — Bioeffects Committee
Brecht

8:00 PM–10:00 PM — Presidential Reception for New Members and Leadership
JW Marriott Suite 43rd Floor

Friday, March 16, 2007

7:00 AM–8:00 AM — Finance Committee
Barrymore

8:00 AM–9:30 AM — Executive Committee
Barrymore

10:00 AM–12:00 PM — Continuing Medical Education Committee
Columbia

1:45 PM–3:15 PM — Endowment for Education and Research Committee
Duffy

Saturday, March 17, 2007

7:00 AM–8:00 AM — *Journal of Ultrasound in Medicine* Editorial and Advisory Board Breakfast
Columbia/Duffy

8:30 AM–10:00 AM — Postgraduate Course Committee
Barrymore

10:30 AM–12:00 PM — Public Education and Resource Committee
Jolson

12:15 PM–1:15 PM — Presidential Advisory Council
JW Marriott Suite 43rd Floor

1:00 PM–2:30 PM — Membership Committee
Duffy

3:30 PM–5:30 PM — Ultrasound Practice Accreditation Committee
Columbia

Sunday, March 18, 2007

7:30 AM–8:00 AM — Exhibit Advisory Committee
Duffy

8:15 AM–9:45 AM — Clinical Standards Committee
Columbia

10:45 AM–12:15 PM — Council on Sections
Duffy

1:30 PM–1:45 PM — AIUM Business Meeting
Ziegfeld

2:00 PM–4:00 PM — Executive Committee
Columbia

Monday, March 19, 2007

8:00 AM–1:00 PM — Board of Governors Meeting
Marquis Ballroom

Professional Interest Section Meeting Schedule

Room names are listed beneath each meeting.

Thursday, March 15, 2007

1:30 PM–3:00 PM

Neurosonology
Wilder

High-Frequency Clinical and Preclinical Imaging
Odets

General and Abdominal Ultrasound
Ziegfeld

3:15 PM–4:45 PM

Pediatric Ultrasound
Wilder

Interventional/Intraoperative Ultrasound
Odets

5:15 PM–6:45 PM

Gynecologic Ultrasound
Odets

Cardiovascular Ultrasound
Empire Complex

Fetal Echocardiography
Ziegfeld

5:45 PM–6:45 PM

Emergency Ultrasound
Wilder

7:30 PM–9:00 PM

Obstetric Ultrasound
Wilder

Musculoskeletal Ultrasound
Odets

Saturday, March 17, 2007

3:30 PM–4:30 PM

Practice of Sonography
Empire Complex

Basic Science and Instrumentation
Marquis Ballroom

Networking at the AIUM Annual Convention

Do you want to know if a colleague is attending the AIUM Annual Convention?

Looking for other attendees from your area?

The AIUM will have a listing of all 2007 Annual Convention and Preconvention Program attendees (in both alphabetical order and by state) available for viewing at the AIUM Resource Center, located next to AIUM registration, just outside the Exhibit Hall. See page 3 for AIUM Resource Center hours.

Continuing Medical Education (CME) Credit Information

Accreditation Statement
The American Institute of Ultrasound in Medicine (AIUM) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. AIUM educational activities are planned and implemented in accordance with the *ACCME Essential Areas and Elements*.

Designation Statement
The AIUM designates the 2007 Preconvention Program for a maximum of 8 *AMA PRA Category 1 Credits*™ applicable toward the American Medical Association (AMA) Physician's Recognition Award (PRA). The AIUM designates the 2007 Annual Convention for a maximum of 19.5 *AMA PRA Category 1 Credits*™. The AIUM designates the 2007 Meet-the-Professor Sessions for a maximum of 6 *AMA PRA Category 1 Credits*™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

American Registry for Diagnostic Medical Sonography
Sonographers may use credits earned from AIUM educational activities to maintain their certification with the American Registry for Diagnostic Medical Sonography (ARDMS). ARDMS accepts *AMA PRA Category 1 Credits*™.

American Registry of Radiologic Technologists
The AIUM is a Recognized Continuing Education Evaluation Mechanism (RCEEM) for the American Registry of Radiologic Technologists (ARRT). AIUM educational activities are approved by the AIUM for ARRT Category A credit. Reference#07Conv.

Disclosure Policy
As a sponsor accredited by the ACCME to provide *AMA PRA Category 1 Credits*™ to physicians, the AIUM must ensure balance, independence, and scientific rigor in all of its sponsored activities. To this end, the AIUM requires anyone who is in a position to control the content of an educational activity, including AIUM officers, board members, committee members, faculty, authors, and AIUM staff, to disclose all relevant financial interest(s) or other relationship(s) with any commercial interest. Financial interest or other relationships may include such things as grants or research support, employment, consultancies, major stock holdings, membership in a speakers bureau, etc. The ACCME defines "relevant financial relationships" as financial relationships in any amount occurring within the past 12 months that create a conflict of interest (SCS2.1). The ACCME considers relationships of the person involved in the CME activity to include financial relationships of a spouse or partner. The intent of this disclosure is to provide learners with information to aid them in making their own judgments.

Conflict of Interest Policy
All individuals who are in a position to control the content of an educational activity, including AIUM officers, board members, committee members, faculty, authors, and AIUM staff, are required to complete a disclosure form. These forms will be reviewed for potential conflicts of interest. All potential conflicts of interest must be identified and managed by the chair of the CME Committee or designated AIUM official prior to the educational activity. Should it be determined that a conflict of interest exists as a result of financial relationship(s) or other relationship(s), the individual will be contacted by the AIUM, and methods to manage the conflict will be discussed. A form will be available to expedite this process. In addition, individuals involved in planning will be asked to recuse themselves from any portion of the planning where a bias might exist.

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.

Other CME Opportunities Available Through the AIUM

Postgraduate Courses

May 19–20, 2007
Ultrasound in Reproductive Medicine and Infertility
Renaissance Chicago Hotel
Chicago, Illinois

July 13–14, 2007
Hands-on Musculoskeletal Ultrasound: Diagnostic and Interventional Techniques
Mayo Clinic and the Kahler Grand Hotel
Rochester, Minnesota

CME Video Programs

CME video programs are available on a variety of ultrasound topics. To view or purchase any of these programs, visit the AIUM Resource Center in the Fifth Floor Foyer, just outside the Exhibit Hall.

Journal of Ultrasound in Medicine (*JUM*) CME Tests

Earn 2 or 3 CME credits every month through self-study tests in each issue of the *JUM*.

Abramowicz, Jacques, MD
Philips Medical Systems: consultant
Abruzzo, Todd, MD
Abuhamad, Alfred, MD
Abu-Yousef, Monzer, MD
Acar, Murat, MD
Ackerman, Susan, MD
Adamu, Abdullahi, MD
Adhikari, Srikar, MD, RDMS
Adler, Ronald, PhD, MD
Agarwal, Rajan, MD
Alexandrov, Andrei, MD, RVT
Alizad, Azra, MD
Arbeille, Philippe, MD, PhD
Aristizabal, Orlando, MPhil
Asch, Elizabeth
Ashkenazi, Shai, PhD
Avni, Fred, MD, PhD
Azrif, Muhammad, MD
Baddour, Ralph, MSc, PhD (candidate)
Bahado-Singh, Ray, MD
Bahner, David, MD, RDMS
Baltarowich, Oksana, MD
Barahona, J. Oscar, RDMS
Barnewolt, Carol, MD
Baschat, Ahmet, MD
Beck-Razi, Nira, MD
Bellah, Richard, MD
Belogolovkin, Victoria, MD
Benacerraf, Beryl, MD
Bendick, Phillip, PhD
Bennett, Genevieve, MD
Benson, Carol, MD
Berkowitz, Richard, MD
Bhatt, Shweta, MD
Blaivas, Michael, MD, RDMS
Blanchette Porter, Misty, MD
Blehar, David, MD
Bluth, Edward, MD
Boon, Tracy, RDMS, RVT
Bouffard, J. Antonio, MD
Bower, John, MD
Brandon, Catherine, MD
Breitkopf, Daniel, MD
Brewer, Jill, BS
Bromley, Bryann, MD
Brown, Jim, RT, RDMS, RDCS
Philips Medical Systems: employer
Bruce, Matthew, PhD
Philips Medical Systems: speaker, employment
Bulas, Dorothy, MD
Burnside, Elizabeth, MD, MPH
Busse, Raydeen, MD
Byrne, James, MD
Cardinal, Etienne, MD
Castaneda, Benjamin, MS
Chandrasekhar, Chitra, MD
Chang, Jia-Kan, MD
Chaplygina, Helen, MD
Chen, Shigao, PhD
Chhem, Rethy, MD
Chin, Brian, MD
Chong, Wui, MBBS
Chopra, Rajiv, PhD
Church, Charles, PhD
Cloutier, Guy, PhD
Cohen, Harris, MD
Collingham, Justin, MD
Copel, Joshua, MD
Aloka: equipment loan and discount
GE: equipment loans and discounts
Cox, Ted, MD, RDMS
Coinventor of biopsy device: no royalties from sales of device
Curiel, Laura, PhD
Cusick, Seric, MD
Czarnota, Gregory, PhD, MD
D'Agostini, Deborah, RDMS
Dahiya, Nirvikar, MD
D'Alton, Mary, MD
Dasgupta, Shreedevi, MS
De Jong, Marius, RDMS, RVT, RDCS
Dean, Anthony, MD
Degirmenci, Bumin, Assistant Professor
Destrempes, Francois, PhD
Deurloo, Koen, MD
DeVore, Greggory, MD
Dickson, Pamela, MD
Diebold, Gerald, PhD
DiPietro, Michael, MD
Ditmars, Donald, MD
Dogra, Vikram, MD
Doubilet, Peter, MD, PhD
Doverspike, Gene, RVT
GE: consulting fee, consultant
Drelich-Zbroja, Anna, MD
Dwyer, Bonnie, MD
Edwards-Silva, Racine, MD
Ehman, Richard, MD
Espinoza, Jimmy, MD
Fei, Baowei, PhD
Feld, Rick, MD
Hitachi: research grant, loaner equipment
Feldman, Noa, MD
Feleppa, Ernest, PhD
Feller-Kopman, David, MD
Fessell, David, MD
Fischer, Richard, MD
Fisher, Ted, MS
Fleischer, Arthur, MD
Forbes, Monica, MS
Fordham, Lynn, MD
Forsberg, Flemming, PhD
GE Healthcare: drug supply and grant support, research
Regeneron Pharmaceuticals: drug supply
Siemens Medical Solutions: equipment loan, research
Toshiba America Medical Systems: speaker, research, loaner equipment
Foster, Stuart, PhD
VisualSonics: consultant, shareholder, research support
Fowlkes, J. Brian, PhD
Francica, Giampiero, MD
Friedrich, Esther, MD
Toshiba: consultation, honoraria ($3000)
Fujii, Yasutomo, MD, PhD
Fujikura, Kana, MD
Garami, Zsolt, MD
Girish, Gandikota, MD
Glanc, Phyllis, MD, FRCPC
Goertz, David, PhD
Goldberg, Barry, MD
Gonçalves, Luís, MD
Philips Medical Systems: equipment loan, speaker
Siemens Medical Solutions: equipment loan, speaker, consultant
Goldstein, Ruth, MD
Grant, Edward, MD
Graupera, Betlem, MD
Gray, Andrew, MD, PhD
Gray, Diana, MD
Greenbaum, Lennard, MD
Philips Medical Systems: equipment, consultant, research
Greenberg, Mara, MD
Grochal, Frantisek, MD
Halpern, Ethan, MD
Hamper, Ulrike, MD, MBA
Hasan, Musarrat, MBBS
Hashimoto, Beverly, MD
Advanced Imaging Systems: research consultant on image quality
DOBI Medical Systems: principle investigator, research grant
Philips Medical Systems: principle investigator, research grant
Siemens Ultrasound: equipment evaluator
Henningsen, Charlotte, MS
Henry, George, MD
Hinshaw, Louis, MD
Hobson, Maritza, MS
Holland, Mark, PhD
Holland, Christy, PhD
Holliday, R., MD

Hope, Joanie, MD
Horton, Sharon, RDMS
Hwang, James, MD
Iijima, Hiroko, MD
Ingardia, Charles, MD
Iqbal, Asif, MBBS, MSc
Irshad, Abid, MD
Jackson, David, MD
Jacobson, Jon, MD
Jamadar, David, MD
Jari, Shama, MD
Jeanty, Philippe, MD, PhD
Jones, Alan, MD
Kennedy, Anne, MD
Kfir, Menashe, MD
Khoshniat, Mahdieh, MESc
Khuri-Yakub, Pierre, PhD
Kirk, Emma, BSc, MBBS
Kliewer, Mark, MD
Kline-Fath, Beth, MD
Kolios, Michael, PhD
Kolokythas, Orpheus, MD
- Philips Medical Systems: speaker, member of sponsor's Advisory Board panel, compensation for participation at Advisory Board

Kono, Yuko, MD, PhD
Kraus, Steven, MD
Ksar, Jamal, MD
Kupinski, Ann Marie, PhD, RVT
Laifer-Narin, Sherelle, MD
Langer, Jill, MD
Laroia, Archana, MD
LeCarpentier, Gerald, PhD
Lécart, Myriam, BIng
Lee, Jung Ha, RDMS
Lee, Sang Min, MD, PhD
Lee, Young, MD
Lee, Wesley, MD
- GE Healthcare: consultant, equipment loan, research
- Philips Medical Systems: research support, consultant, Advisory Board
- Siemens Medical Solutions: research support, consultant

Leite, Juliana, MD
Levine, Deborah, MD
Lewin, Peter, MSc, PhD
Lim-Dunham, Jennifer, MD
Liu, Ji-Bin, MD
Lloyd, Harriet, MS
Lockhart, Mark, MD, MPH
Louis, Hunter, MD
- Noncontracted research
- SonoSite, Inc: honorarium for survey respondents ($50), none

Lyshchik, Andrej, MD, PhD
Madrazo, Beatrice, MD, RVT
Mangrulkar, Vaibhav, MD
Manning, Maria, MD
Mari, Giancarlo, MD
Martinoli, Carlo, MD
Mastrolia, Ricardo, MD
Masuda, Emi, BS
Matsutani, Shoichi, MD
Mattery, Robert, MD
Mayo, Paul, MD
McNamara, Robert, MD
McShane, Cyrethia, BS, RDMS
Meaders, Eric, MAED, RDMS, RVT
Medford, William, RDMS
Meister, Dennis, BSE
- Siemens Medical Solutions: former employee and consultant

Miller, Douglas, PhD
Miller, James, PhD
Miller, Naomi, MD
Miller, Theodore, MD
Monteagudo, Ana, MD
Montoya, Anthony, MD
Moore, Christopher, MD
Moreland, John Paul, RT(R)(CT), RDMS, RVS
Morikawa, Pablo, MD, PhD
Morrison, Robert, BS
Muratore, Robert, PhD
Nagdev, Arun, MD
Nair, Anjua, PhD
Najafi, Jila, MD
Nakajima, Michiko, MD, PhD
Nazarian, Levon, MD
Needleman, Laurence, PhD
Nelson, Thomas, PhD
- Philips Medical Systems: equipment loan

Neumyer, Marsha, BS, RVT
Nisenbaum, Harvey, MD
Noble, Vicki, MD, RDMS
Nyholm, Jessica, MD
Ocel, Joseph, MD
Odibo, Anthony, MD
Oelze, Michael, PhD
O'Hara, Sara, MD
- Amirsys Publishing Company: author and shareholder

Okajima, Kazue, MD
Osborne, Michael, MD
Paltiel, Harriet, MD
Parra, Guido, MD
Parulekar, Suhas, MD
Pascual, Maria Angela, PhD
Pellerito, John, MD
Platt, Lawrence, MD
- GE Healthcare: honoraria, consultant
- InSightec: honoraria, Board of Directors member
- Philips Medical Systems: honoraria, consultant

Polanco, Bardo, MD
Porges, Robert, MD
Postley, John, MD
- SonoSite, Inc: consultant, loaner equipment (MicroMaxx), speaker, honoraria ($2500), contracted research grant ($30,000)

Pozniak, Myron, MD
Pratts, Pilar, MD
Pretorius, Dolores, MD
- GE, equipment loan
- Philips Medical Systems: contracted researcher, equipment loan, honoraria ($2000)

Puscheck, Elizabeth, MD
Quan, Chunli, PhD
Raio, Christopher, MD, RDMS
Ramirez, Mildred, MD
Ramos, Luis, MD
Rao, Min, PhD
Rapp, Cindy, BS, RDMS
Razyvaev, Anton, MD
Reiss, Rosemary, MD
Riccabona, Michael, MD
Robinson, Ashley, BSc, MB, ChB
Rodriguez-Saad, Veronica, RT(R), RDMS
Romera-Villegas, Antonio, MD
Rondeau, Mark, PhD
Rotella, Vittorio, MD
Rottem, Shraga, MD, DSc
Roxana, Vlad, Msc
Roy, Nicole, MD
Ruano, Rodrigo, MD, PhD
Rubens, Deborah, MD
Rundek, Tatjana, MD
Rychik, Jack, MD
Saad, Wael, MBBCh
Santolaya-Forgas, Joaquin, MD, PhD
Schultz, Susan, RDMS
Schwartz, Nadav, MD
Scott, Ted, MAppSc
Scoutt, Leslie, MD
Sehgal, Chandra, PhD
Shadinger, Libby, MD
Shi, William, PhD
- Philips Medical Systems: research, employment, salary

Shung, K., PhD
Shwayder, James, MD, JD
- Cook Ob/Gyn: coinventor, future royalties; coinventor, SIS catheter

Sierzinski, Paul, MD, RDMS
- Emergency Ultrasound Consultants, LLC: president, founder
- GE Healthcare: consultant, equipment support
- SonoSite, Inc: consultant, equipment support

Silverman, Ronald, PhD
Simonsen, Sara, MSPH
Simpson, Lynn, MD
Sklansky, Mark, MD
Sladkevicius, Povilas, MD, PhD
Smith, James, MD
Snyder, Emma, BS
Sofka, Carolyn, MD
Solley, Matthew, MD
Son, Eun Ju, MD
Soo, Mary, MD
Sorrentino, Fortunato, MD
Soul, Janet, MD
Stepansky, Flora, MD
Stiles, Timothy, PhD
Strickland, Diana, BS, BA, RDMS, RDCS
- GE Healthcare: consultant, Advisory Board

Sugai, Michihiro, MD
Sultana, Nasreen, MBBS, MD
Swanson, Terri, BA
Takeyama, Peter, MD
Tanter, Mickael, PhD
Tayal, Vivek, MD
- Researcher, equipment for research, ultrasound equipment for fixed period

Teefey, Sharlene, MD
Tegeler, Charles, MD
ter Haar, Gail, DSc
- Chongqing HAIFU: consultant

Tessler, Franklin, MD, CM
- Philips Medical Systems: unpaid consultant

Thiele, Ralf, MD
Tillett, Jason, PhD
Timor, Ilan, MD
Toy, Eugene, MD
Tradup, Donald, RDMS
Tran, Leanne, JD, MD, BSc
Tublin, Mitchell, MD
Turgut, Ahmet, MD
van Holsbeeck, Marnix, MD
Varghese, Tomy, PhD
Vo, Tai, MD
Wang, George, MD
Wang, Xueding, PhD
Warsof, Steven, MD
Watson, William, MD
Wax, Joseph, MD
Weekes, Anthony, MD
Whitman, Gary, MD
Wilson, Robert, MD
Wilson, Stephanie, MD
- Bristol-Myers Squibb: consulting fees, researcher
- Philips Medical Systems: consulting fees, Advisory Board consultant

Winter, Thomas, III, MD
- GE: honoraria, speakers bureau

Woletz, Paula, RDMS
Wolfson, Robert, MD, PhD
Wu, Danny, MBChB
Wu, Feng, MD, PhD
- Chongqing HAIFU Co, Ltd: consultant

Yamada, Masahiko, MD
Yamamura, Yasuko, MD
Yeh, Hsu-Chong, MD
Yeh, Yung-Hsiang, MD, MPH
Yeo, Lami, MD
Zalel, Yaron, PhD
Zalud, Ivica, MD, PhD
Zelop, Carolyn, MD
Zhang, Man, MS
Zhu, Quing, PhD
Zierler, R., MD
Zuidema, Laura, MD

Alternative or "Off-Label" Product Policy

The AIUM requires anyone who is in a position to control the content of an educational activity, including AIUM officers, board members, committee members, faculty, authors, and AIUM staff, to disclose their endorsement or use of any alternative or "off-label" product and/or treatment technologies. Individuals are advised that they must inform the audience if their articles or presentations include any discussion of off-label product use. AIUM educational activities provide a forum to educate and promote the dissemination of new ideas, but the AIUM does not necessarily endorse the findings or conclusions reported by presenters and authors.

Brown, Jim, RT, RDMS, RDCS
- Work in progress: matrix array configurations for new clinical applications

Bulas, Dorothy, MD
- Fetal magnetic resonance imaging

Forsberg, Flemming, PhD
- Optison: ultrasound contrast agent; Sonazoid: ultrasound contrast agent

Goertz, David, PhD
- The contrast agents BG2423 and BG3039; experimental agents provided by Bracco Research (Geneva, Switzerland) for research purposes

Halpern, Ethan, MD
- Definity: ultrasound contrast agent

Hinshaw, Louis, MD
- Ultrasound elastography

Kolokythas, Orpheus, MD
- Definity: intravascular ultrasound contrast agent

Kono, Yuko, MD, PhD
- Definity: radiology application; Optison: radiology application; Imagent: radiology application

Lécart, Myriam, BIng
- Prototype stent from Boston Scientific: vascular phantom

Lee, Wesley, MD
- 4-dimensional software: volume data analysis; Q-Lab software: volume data analysis; Velocity Vector Imaging software: research for evaluating fetal myocardial function

Liu, Ji-Bin, MD
- Radionics radio frequency system: prostate ablation

Muratore, Robert, PhD
- Investigational use of various therapeutic ultrasound devices from a historical perspective

Wax, Joseph, MD
- 17-α-hydroxyprogesterone caproate for preterm labor prophylaxis; 17-α-hydroxyprogesterone caproate for prevention of preterm delivery

Wu, Feng, MD, PhD
- Ultrasound-guided high-intensity focused ultrasound (HIFU) device (JC HIFU system; HAIFU Technology Co, Ltd, Chongqing, China) used for clinical investigation

AIUM Student Day and Medical Student Course

Saturday, March 17, 2007

AIUM Welcomes Medical Students, Residents, Fellows, and Sonography Students

Each year, the AIUM invites students from the local area to attend the Annual Convention with the purpose of exposing them to the larger ultrasound community and get a taste of what it is like to attend a professional conference. Throughout the day, students are encouraged to sit in on courses, scientific sessions, and film panels and explore the Exhibit Hall. All Student Day participants will wear a gold ribbon; please take a moment to introduce yourself and welcome them to the AIUM!

New This Year for Medical Students Only

Introductory ultrasound course, "Diagnostic Ultrasound From Head to Toe: An Introduction," designed specifically for invited medical students from local medical schools.

The course will provide an introduction to the most basic aspects of ultrasound use and physics. The course was organized by AIUM Past President Peter Arger, MD, who chaired a pilot program at the University of Pennsylvania School of Medicine. The AIUM believes that the exposure to ultrasound should begin in medical schools as part of their curriculum or as an elective course.

Medical students from New York Medical College, Cornell University, Columbia University, New York University, Mount Sinai, and State University of New York at Stony Brook have been invited to attend this course. The students will attend the course in the morning, followed by the opportunity to sit in on scientific and categorical courses, view poster exhibits, and walk through the Exhibit Hall.

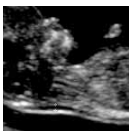
Course participation is limited to invited, preregistered medical students.

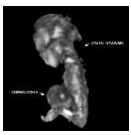
Thank you to Dr Arger for organizing this valuable course and to the esteemed faculty for their efforts.

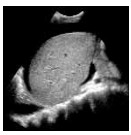
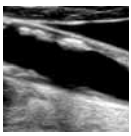
Thursday, March 15
Preconvention Program

Schedule at a Glance

6:30 AM–5:45 PM	Registration Open
7:00 AM–8:00 AM	Preconvention Breakfast
7:30 AM–5:30 PM	Sonographic Evaluation of the Critically Ill and Injured Patient
8:00 AM–12:00 PM	Three-Dimensional Ultrasound in Obstetrics: How to Use It Diagnostically
8:00 AM–12:00 PM	First-Trimester Risk Assessment for Aneuploidy
8:00 AM–12:00 PM	Technical Standards Committee Meeting
8:00 AM–5:00 PM	Vascular Ultrasound
8:00 AM–5:00 PM	AIUM Practice Guidelines for Musculoskeletal Ultrasound: Upper and Lower Extremities
12:00 PM–1:00 PM	Annual Convention Committee Meeting
1:00 PM–5:00 PM	Doppler Ultrasound of the Fetus
1:00 PM–5:00 PM	First-Trimester Congenital Anomalies
1:30 PM–9:00 PM	Professional Interest Section Meetings
2:00 PM–8:00 PM	Bioeffects Committee Meeting
8:00 PM–10:00 PM	Presidential Reception for New Members and Leadership *(by invitation only)*





7:00 AM–8:00 AM

Preconvention Course Breakfast

Preconvention course breakfasts will be served outside of each room.

7:30 AM–5:30 PM **Soho/Herald Complex**

Sonographic Evaluation of the Critically Ill and Injured Patient

Course Chairs: Christopher Moore, MD, RDMS, RDCS, and Michael Blaivas, MD, RDMS

Morning Session: Sonography in Hypotension and Shock
Shock, either with or without overt hypotension, is a critical emergency. Sonography can be invaluable in quickly evaluating causes of shock. This session will begin with an overview of types of shock and how ultrasound can be used in an algorithmic approach to quickly rule in and rule out treatable etiologies. It will focus on the noninvasive evaluation of preload, both in volume-depleted and volume-overloaded states; identifying sources of hemorrhagic shock; cardiac evaluation in hypotension; and sonography in sepsis and distributive shock. The session will conclude with faculty case presentations regarding the utility of ultrasound in clinical scenarios.

Afternoon Session: Sonography in the Dyspneic Patient
Dyspnea and respiratory failure are common, potentially life-threatening presentations with many potential etiologies, most of which may be aided by focused bedside sonography. This session will begin with an algorithmic approach using sonography in evaluating the patient with shortness of breath. Close attention will be paid to evaluation and management of pleural fluid; evaluating the pleura for pneumothorax and wet lung; cardiac evaluation in acute dyspnea; and lower extremity evaluation for deep venous thrombosis. The session will conclude with faculty case presentations regarding the utility of ultrasound in clinical scenarios involving dyspneic patients.

Faculty

Christopher Moore, MD, RDMS, RDCS
Michael Blaivas, MD, RDMS
David Bahner, MD
Anthony Dean, MD
David Feller-Kopman, MD
James Hwang, MD
Paul Mayo, MD
Robert McNamara, MD
Paul Sierzinski, MD, RDMS
Anthony Weekes, MD, RDMS

8:00 AM–12:00 PM **Astor Ballroom**

Three-Dimensional Ultrasound in Obstetrics: How to Use It Diagnostically

Course Chair: Dolores Pretorius, MD

The objective of this course is to demonstrate how to use 3-dimensional (3D) ultrasound in a clinical practice to improve diagnostic interpretation of studies. The diagnostic use of multiplanar imaging, surface rendering, matrix transducers, and inversion techniques will be reviewed. Participants will also learn ways to teach 3D techniques and about safety.

Faculty

Dolores Pretorius, MD
Alfred Abuhamad, MD
Deborah D'Agostini, MD
Jimmy Espinoza, MD
Luís Gonçalves, MD
Thomas Nelson, MD

8:00 AM–12:00 PM **Marquis Ballroom**

First-Trimester Risk Assessment for Aneuploidy

Course Chair: Steven Warsof, MD

Following this course, attendees will understand the meaning of screening tests and the various strategies for first- and second-trimester risk assessment for Down syndrome and trisomy 18 using a combination of ultrasound markers, including nuchal translucency measurement and serum analytes. The results of the BUN (First-Trimester Maternal Serum Biochemistry and Fetal Ultrasound Nuchal Translucency Screening) and FASTER (First- and Second-Trimester Evaluation of Risk) trials will be reviewed. Participants of this course will also qualify for the educational requirements for the Nuchal Translucency Quality Review Program, www.NTQR.org.

Faculty

Steven Warsof, MD
Beryl Benacerraf, MD
Richard Berkowitz, MD
Mary D'Alton, MD
Lawrence Platt, MD

8:00 AM–5:00 PM **Empire Complex**

Vascular Ultrasound

Course Chair: Beatrice Madrazo, MD, RVT

Morning Session: Protocols and Accreditation
Afternoon Session: Carotid Sonography
At the completion of this course, participants will be able to understand basic principles of vascular ultrasound, normal and abnormal spectral waveforms, and diagnostic criteria for vascular disease at different sites and will also be able to recognize the need for standardized protocols and the importance of laboratory accreditation. The course will be organized into several modules covering topics that include protocols and accreditation, carotid ultrasound, venous ultrasound, peripheral arterial ultrasound, and abnormal ultrasound.

Faculty

Beatrice Madrazo, MD, RVT
Phillip Bendick, PhD, RVT
M. Robert De Jong, RDMS, RDCS, RVT
Leslie Scoutt, MD

8:00 AM–5:00 PM **Gramercy/Olmstead Complex**

AIUM Practice Guidelines for Musculoskeletal Ultrasound: Upper and Lower Extremities

Course Chair: Marnix van Holsbeeck, MD

Session I: AIUM Practice Guidelines for Musculoskeletal Ultrasound: Upper Extremity
Session II: AIUM Practice Guidelines for Musculoskeletal Ultrasound: Lower Extremity
At the conclusion of this course, participants should be able to apply AIUM and ACR Practice Guidelines for Musculoskeletal (MSK) Ultrasound for upper and/or lower extremity ultrasound; list requirements for standard diagnostic and therapeutic ultrasound studies on bones and joints; and execute correct patient positioning and maneuvers used for standardized MSK examinations.

Faculty

Marnix van Holsbeeck, MD
Tracy Boon, RDMS, RVT
Catherine Brandon, MD
Michael DiPietro, MD
David Fessell, MD
Gandikota Girish, MD
Jon Jacobson, MD
David A. Jamadar, MBBS
William Medford, RDMS
Theodore Miller, MD
Levon Nazarian, MD
Veronica Rodriguez-Saad, RT(R), RDMS
Sharlene Teefey, MD

1:00 PM–5:00 PM **Astor Ballroom**

Doppler Ultrasound of the Fetus

Course Chair: Greggory DeVore, MD

This course will describe the current use of Doppler ultrasound for evaluation of the low- and high-risk fetus. Topics that will be covered include first-trimester evaluation of the fetus for aneuploidy; the use of uterine, umbilical, middle cerebral, and venous Doppler to identify the fetus at risk for abnormal fetal growth; and the use of Doppler for evaluating fetuses with congenital heart disease and twin-to-twin transfusion.

Faculty

Greggory DeVore, MD
Ahmet Baschat, MD
Jack Rychik, MD

1:00 PM–5:00 PM **Marquis Ballroom**

First-Trimester Congenital Anomalies

Course Chair: Ilan Timor, MD

Prenatal diagnosis is slowly moving into the first trimester. The introduction of first-trimester screening using measurements of the nuchal translucency (NT) opens an opportunity to widen our insight into other aspects of fetal health.

This course deals with the feasibility of performing anatomy scans between 12 and 14 weeks at the time of the NT measurements. The faculty will explore issues of multifetal pregnancies, placental abnormalities, and the controversial issues of cystic hygroma. Ample time will be set aside for interaction with the audience.

Faculty

Ilan Timor, MD
Ana Monteagudo, MD
Lynn Simpson, MD

Presidential Reception for New Members and Leadership

8:00 PM–10:00 PM
JW Marriott Suite • 43rd Floor

This event is by invitation only.

Supported by SonoSite.

Refreshments
available in the Exhibit Hall

Friday, March 16, 2007

Get a jump start on your St Patty's Day celebration at the AIUM's Opening Reception on Friday night from 5:30 PM–7:30 PM. Stop by the Exhibit Hall to enjoy an Irish evening of green beer, wine, carving stations, and much more.

Saturday, March 17, 2007

Morning Break—Begin St Patty's Day with a taste of the Irish. Hot coffee, Irish soda rolls, and a variety of cheeses will be served in the Exhibit Hall from 9:30 AM–10:30 AM.

Lunch—No need to go any farther for lunch; that New York hot dog stand is right inside the Exhibit Hall waiting for you. Stop by on your lunch break for hot dogs, chips, and soda and to browse the exhibits from 12:15 PM–1:15 PM.

Afternoon Break—Got the afternoon munchies? Satisfy your cravings with delicious Häagen-Dazs ice cream bars, served in the Exhibit Hall from 3:30 PM–4:30 PM.

Sunday, March 18, 2007

Morning Break—Need a boost to get your day going? No need to stop by the local coffee shop; just visit the Exhibit Hall to get your caffeine fix from 10:15 AM–11:15 AM.

Bid Farewell to 2007 and on to 2008—Munch on hot dogs, chips, and popcorn while bidding farewell to your fellow attendees from 12:30 PM–1:30 PM. Look forward to next year's AIUM Annual Convention, to be held in San Diego, California, March 12–15, 2008.

PHILIPS

Friday, March 16
Convention

Schedule at a Glance

6:30 AM–4:15 PM	Registration Open
7:00 AM–8:00 AM	Meet-the-Professor Sessions
7:00 AM–8:00 AM	Finance Committee Meeting
8:00 AM–9:30 AM	Executive Committee Meeting
8:15 AM–9:45 AM	Categorical Courses
8:15 AM–9:45 AM	Hands-on Course: Interventional Ultrasound-Guided Biopsies
10:00 AM–11:30 AM	Scientific Sessions
10:00 AM–11:30 AM	Just Images Session: Obstetric and Gynecologic Ultrasound
10:00 AM–12:00 PM	Continuing Medical Education Committee Meeting
11:45 AM–12:45 PM	Meet-the-Professor Sessions
12:00 PM–3:00 PM	Exhibit Hall Open
1:45 PM–3:15 PM	Categorical Courses
1:45 PM–3:15 PM	Hands-on Course: Ultrasound-Guided Procedures
1:45 PM–3:15 PM	Endowment for Education and Research Committee Meeting
3:30 PM–5:30 PM	Plenary Session: Awards and Entertainment
5:30 PM–7:30 PM	Opening Reception

7:00 AM–8:00 AM

Meet-the-Professor Sessions

Five concurrent Meet-the-Professor sessions (MTPs) are offered at this time. The MTPs must be paid for separately. Visit the registration desk to register for any MTPs that are not sold out. MTP session objectives begin on page 66.

FA1 **Volume Sonography: A New Era in Efficiency and Diagnosis, Including Fetal Anomalies**
Beryl Benacerraf, MD
Ziegfeld

FA2 **The 14- to 16-Week Anatomic Survey**
Ana Monteagudo, MD
O'Neill

FA3 **Diagnosis of Fetal Anemia With Doppler Ultrasound**
Giancarlo Mari, MD
Brecht

FA4 **Imaging of the Pediatric Liver and Biliary Tree**
Harriet Paltiel, MD
Wilder

FA5 **Scrotal Ultrasound Update**
Thomas Winter, MD
Odets

8:15 AM–9:45 AM

Categorical Courses

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

Doppler Ultrasound in Pregnancy: Past, Present, and Future

Moderator: Giancarlo Mari, MD
Broadway Ballroom North

This course will include an audience response system.

At the end of this course, participants will be able to describe the current status of knowledge on the changes that occur in the fetal circulation of appropriate-for-gestational-age and intrauterine growth-restricted (IUGR) fetuses, as well as the criteria used for the diagnosis of fetal anemia with Doppler ultrasonography. Participants will be able to understand whether 3- and 4-dimensional ultrasonography is useful in the assessment of the fetal circulation and whether Doppler ultrasonography might be helpful in timing delivery of IUGR fetuses.

8:15 AM–8:35 AM	Doppler Ultrasound Imaging: Past, Present, and Future of Doppler in Obstetrics *J. Oscar Barahona, BS, RDMS*
8:35 AM–8:55 AM	The Diagnosis of Fetal Anemia With Doppler Ultrasonography: A Brief Overview *Giancarlo Mari, MD*
8:55 AM–9:15 AM	Arterial and Venous Doppler in Intrauterine Growth-Restricted Fetuses: What Have We Achieved? *Ray Bahado-Singh, MD*
9:15 AM–9:35 AM	Arterial and Venous Doppler in Intrauterine Growth-Restricted Fetuses: Where Are We Going? *Giancarlo Mari, MD*
9:35 AM–9:45 AM	Questions and Answers

Early Pregnancy Complications

Moderator: Sherelle Laifer-Narin, MD

Shubert Complex

This course will cover the spectrum of early complications, including threatened and spontaneous abortion, ectopic pregnancies, adnexal masses, pregnancies of unknown location, hemorrhage, and gestational trophoblastic disease. Normal sonographic milestones of the first trimester need to be recognized, as well as understanding of laboratory values and changes occurring in serum human chorionic gonadotropin. The correlation between serum progesterone levels and resolution of a pregnancy will also be discussed.

8:15 AM–8:40 AM	Chest Ultrasound for Extravascular Lung Water: Data From Nepal in High-Altitude Pulmonary Edema *Vicki Noble MD, RDMS*
8:40 AM–9:05 AM	Right Upper Quadrant Ultrasound: What Is Normal, Abnormal, and Pitfalls *Michael Osborne, MD*
9:05 AM–9:45 AM	Sonographic Assessment of First-Trimester Emergencies *Sherelle Laifer-Narin, MD*

Fetal and Newborn Neurosonography

Moderator: Judy Estroff, MD

Soho/Herald Complex

Neurosonography identifies many central nervous system anomalies both in fetuses and in newborns. Newborn cranial neurosonography is standard for premature and sick newborns because it is noninvasive, portable, and provides a detailed glimpse of the structure and condition of the brain. Postnatal imaging is often performed in the first 48 hours of life, at 5 to 7 days of age, and then again at 4 to 6 weeks of age. Many congenital brain malformations, intracranial hemorrhage, and white matter damage can readily be detected sonographically. However, there are limitations to what can be seen sonographically. This course will review the common fetal structural brain malformations, intracranial hemorrhage, and white matter disease, as well as concentrate on the abnormal newborn neurosonogram. At the end of the course, attendees will learn what neuroimaging information the pediatric neurologist needs to know about fetuses and newborns and how they try to determine the prognosis for these infants.

8:15 AM–8:35 AM	The Abnormal Newborn Cranial Ultrasound *Beth Kline-Fath, MD*
8:35 AM–8:55 AM	Congenital Brain Anomalies: Prenatal Imaging With Postnatal Outcomes *Carol Barnewolt, MD*
8:55 AM–9:15 AM	Tumors and Tumorlike Conditions in the Fetal Central Nervous System *Fred Avni, MD*
9:15 AM–9:45 AM	Newborn Neuroimaging: What the Pediatric Neurologist Wants to Know *Janet Soul, MD*

Prenatal Detection of Congenital Heart Disease: Clinical and Medical-Legal Implications

Moderator: Greggory DeVore, MD

Broadway Ballroom South

This course will review the clinical aspects and decision considerations for the diagnosis and treatment of fetal patients with congenital heart disease. A strategy for performing a screening fetal echo examination in routine clinical practice will be given, including structure visualization, expectations for each time frame, and how to optimize image quality for diagnostic purposes. Review of the medical-legal implications of congenital heart disease will be given.

8:15 AM–8:55 AM	Prenatal Detection of Congenital Heart Disease: Clinical Implications *Mark Sklansky, MD*
8:55 AM–9:35 AM	Prenatal Detection of Congenital Heart Disease: Medical-Legal Implications *Greggory DeVore, MD*
9:35 AM–9:45 AM	Questions and Answers

Sonography of Breast Disease

Moderator: Susan Ackerman, MD

Astor Ballroom

The goals of this course are to equip the participant with techniques for differentiating benign from malignant masses, as well as for the evaluation of other breast abnormalities. There will also be discussion of new techniques in the assessment of breast disease.

8:15 AM–8:45 AM	Ultrasound Evaluation of Breast Masses *Elizabeth Burnside, MD*
8:45 AM–9:15 AM	Ultrasound of Non-Neoplastic Conditions of the Breast *Susan Ackerman, MD*
9:15 AM–9:45 AM	Advanced Techniques in Breast Ultrasound: 2007 *Mary Scott Soo, MD*

Therapeutic Ultrasound

Moderators: Thomas Szabo, PhD, and Mark Schafer, PhD

Marquis Ballroom

This course is an introduction to the principles and latest developments in therapeutic ultrasound.

8:15 AM–8:33 AM	High-Intensity Focused Ultrasound: The Whys and Wherefores *Gail ter Haar, MA, DSc, MSc, PhD*
8:33 AM–8:51 AM	Clinical Experiences With Ultrasound-Guided High-Intensity Focused Ultrasound for Tumor Ablation *Feng Wu, MD*
8:51 AM–9:09 AM	A History of Therapeutic Ultrasound Devices *Robert Muratore, PhD*
9:09 AM–9:27 AM	Multichannel Systems for Transbone High-Intensity Focused Ultrasound and Respiratory Motion Corrections *Mickael Tanter, PhD*
9:27 AM–9:45 AM	Guiding and Monitoring of High-Intensity Focused Ultrasound Ablation *Naomi Miller, MD*

Hands-on Interventional Ultrasound-Guided Biopsies

Moderator: Vikram Dogra, MD

Empire Complex

In this course, participants will be exposed to the optimum ways to set up biopsies and avoid potential complications and will also be exposed to treatment options when biopsy complications occur. Hands-on scanning opportunities will be provided with phantoms, needles, and needle guides on a variety of machines with applications to thyroid, chest, and abdominal biopsies, including liver, renal, pancreas, and deep abdominal and pelvis targets. (Advance registration is required.)

8:15 AM–8:25 AM	Ultrasound-Guided Biopsy *Jill Brewer, BS, RDMS*
8:25 AM–8:35 AM	Management of Postbiopsy Complications *Wael Saad, MBBCh*
8:35 AM–9:45 AM	Hands-on Session

10:00 AM–11:30 AM
Scientific Sessions

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

* indicates presenter; (CR) indicates Case Report.

Abdominal Ultrasound

Moderators: Monzer Abu-Yousef, MB, Bch, ABR, and Audrey Fleming, RDMS, RVS

Astor Ballroom

10:00 AM–10:12 AM

296370 Comparing Hepatic Fundamental, Tissue Harmonic, and Differential Tissue Harmonic Imaging

Chiou, See-Ying; Forsberg, Flemming; Fox, Traci B.; Needleman, Laurence*

10:12 AM–10:24 AM

295936 Real-time 3-Dimensional Ultrasonography (4D-US) and Contrast 4D-US in Radio Frequency Ablation of Liver Tumors

Yamada, Masahiko; Sugimoto, Katsutoshi; Metoki, Ryou; Taira, Junichi; Furuichi, Yoshihiro; Miyahara, Takeo; Imai, Yasuharu; Nakamura, Ikuo; Iijima, Hiroko; Moriyasu, Fuminori*

10:24 AM–10:36 AM

296668 Late Complications After Laparoscopic Positioning of an Adjustable Gastric Banding System: Ultrasound Findings

Francica, Giampiero; Giardiello, Cristiano; Iodice, Giuseppe; Lapiccirella, Gaetano; Cristiano, Stefano; Scarano, Ferdinando; Delle Cave, Massimo; Molese, Valerio*

10:36 AM–10:48 AM

295138 Transabdominal Sonography of Peptic Ulcer Disease in Adults

Vo, Tai Anh; Pham, Toan Chi; Phan, Hai Thanh*

10:48 AM–11:00 AM

259217 Ultrasound Detection of the Normal Appendix: Does the Combination of Real-time Spatial Compounding and Tissue Harmonic Imaging Make a Difference?

Scott, Ted E.; Swan, Hans; Jurriaans, Eric; Voss, Maurice*

11:00 AM–11:12 AM
296730 Primary Epiploic Appendagitis: Clinical, Ultrasound, and Computed Tomographic Findings in 15 Cases
Vo, Tai Anh; Le, Tai Van; Phan, Hai Thanh*

11:12 AM–11:24 AM
296470 Impact of Ultrasound Contrast Media on Clinical Radiology Practice in the USA: Update
Kono, Yuko; Hassanein, Tarek; Alpert, Elliot; Amer, Mohamed; Mattrey, Robert F.*

Bioeffects and Image Processing

Moderators: Charles Church, PhD, and Chandra Sehgal, PhD
Marquis Ballroom

10:00 AM–10:12 AM
295766 Evaluation of Thresholds for Ultrasound-Induced Lung Hemorrhage and a Proposal for a Lung-Specific Mechanical Index
Church, Charles C.; O'Brien, William D.*

10:12 AM–10:24 AM
295427 Glomerular Capillary Hemorrhage Induced in Rats by Ultrasound Flash Echo Imaging With a Contrast Agent
Miller, Douglas; Dou, Chunyan; Wiggins, Roger*

10:24 AM–10:36 AM
295755 A Proposal to Resolve a Conceptual Error in the Thermal Index Displayed on Diagnostic Ultrasound Machines
Church, Charles C.

10:36 AM–10:48 AM
296379 Segmentation of Carotid Walls in Ultrasonic B-mode Images
Destrempes, François; Meunier, Jean; Maurice, Roch L.; Soulez, Gilles; Cloutier, Guy*

10:48 AM–11:00 AM
297276 Noninvasive Real-time Imaging of Atherosclerosis Using Ultrasound Biomicroscopy in ApoE–/– Mice Exposed to Subchronic Environmental Tobacco Smoke
Quan, Chunli; Li, Qiang; Jin, Ximei; Zhong, Mianhua; Wang, Aixia; Sun, Qinghua; Chen, Lung Chi*

11:00 AM–11:12 AM
295456 Volumetric Elasticity Imaging With a 2-Dimensional Capacitive Micromachined Ultrasonic Transducer Array
Fisher, Ted G.; Hall, Timothy J.; Jiang, Jingfeng; Panda, Satchi; Barnes, Steve; Resnick, Jeff; Madsen, Ernest L.*

11:12 AM–11:24 AM
296504 Automatic Registration and Fusion of Ultrasound Imaging and Positron Emission Tomography for Improved Diagnosis of Gynecologic Cancer
Fei, Baowei; Azar, Nami; Greer, Michael; Rochon, Paul J.; Faulhaber, Peter*

Head, Neck, and Ophthalmology

Moderators: Ronald Silverman, PhD, and Gregory Czarnota, PhD, MD

Gramercy/Olmstead

10:00 AM–10:12 AM
296584 Comparison of Extended Field-of-View and Dual-Image Ultrasound Techniques for Size Measurements in an Enlarged Thyroid Gland
Turgut, Ahmet T.; Coskun, Zafer U.; Kismet, Kemal; Kosar, Pinar; Geyik, Pinar O.; Kosar, Ugur*

10:12 AM–10:24 AM
297249 Evaluation of Thyroid Nodules With Gray Scale Ultrasound, Color Doppler Imaging, and Elastography: Preliminary Results
Feld, Rick; Merton, Daniel; Fukunari, Nobuhiro; Ishikawa, Kumi; Yucel, Cem; Forsberg, Flemming*

10:24 AM–10:36 AM
297017 Sonographic Diagnosis of Thyroid Cancer Using Quantitative Analysis of Tumor Vascularity
Lyshchik, Andrej; Morrison, Robert S.; Barnes, Stephanie L.; Miga, Michael I.; Fleischer, Arthur C.*

10:36 AM–10:48 AM
287968 Functional Imaging of Apoptosis in Tumors With High-Frequency Ultrasound Imaging and Spectroscopy
*Chu, William; Kolios, Michael; Czarnota, Gregory J.**

10:48 AM–11:00 AM
296889 Coronal Axis Versus Visual Axis Measurements of Optic Nerve Sheath Diameter
Blehar, David J.; Montoya, Anthony; Dickman, Eitan; Gaspari, Romolo*

11:00 AM–11:12 AM
297138 Swept-Scan Flow Measurements of the Microvasculature of the Retina and Choroid
Rondeau, Mark J.; Silverman, Ronald H.; Chan, Paul; Lloyd, Harriet O.; Coleman, Jackson, D.*

11:12 AM–11:24 AM
294880 High-Resolution Imaging of the Retina and Choroid
Silverman, Ronald H.; Rondeau, Mark; Chan, Paul; Coleman, Jackson, D.*

Instrumentation

Moderators: Flemming Forsberg, PhD, and Tomy Varghese, PhD

Soho/Herald

10:00 AM–10:12 AM
296436 Anthropomorphic Uterus Phantoms for Testing Elastography Systems
Hobson, Maritza; Frank, Gary R.; Varghese, Tomy; Jiang, Jingfeng; Shi, Hairong; Madsen, Ernest L.*

10:12 AM–10:24 AM
295707 Realistic Intravascular Ultrasound (IVUS) Phantoms
Stiles, Timothy; Waters, Kendall; Frank, Gary R.; Madsen, Ernest L.*

10:24 AM–10:36 AM
295709 Modeling of Nonlinear Propagation in a Tissue-Mimicking Liquid
Stiles, Timothy

10:36 AM–10:48 AM
296654 Noninvasive Quantification of Elasticity and Viscosity for Liver Fibrosis Staging
Chen, Shigao; Greenleaf, James F.*

10:48 AM–11:00 AM
296907 A Model of Distributed Phase Aberration for Deblurring Phase Estimated From Scattering
Tillett, Jason C.; Astheimer, Jeffrey P.; Waag, Robert C.*

11:00 AM–11:12 AM
296765 Early Experience With an Implantable Flow Sensor for Bypass Graft Surveillance
Rotella, Vittorio; Blebea, John; Choudry, Rashad; Salvatore, Michael; Kelly, Patrick; Soundararajan, Krish; Chilipka, Tom; Vilkomerson, David*

11:12 AM–11:24 AM
297264 Multimodality Imaging: Simultaneous Ultrasound and Magnetic Resonance Imaging
Curiel, Laura; Chopra, Rajiv; Hynynen, Kullervo*

Obstetrics: Uterus, Placenta, and Cervix

Moderators: Wesley Lee, MD, and Tracy Anton, BS, RDMS
Broadway Ballroom South

10:00 AM–10:12 AM
295770 Translabial Cervical Ultrasound in Women With Preterm Premature Rupture of Membranes: Can It Be Used to Predict Latency Period or Infection?
Fischer, Richard L.; Austin, Julian D.*

10:12 AM–10:24 AM
283729 Prenatal Diagnosis of Placenta Accreta: Ultrasound Versus Magnetic Resonance Imaging.
Dwyer, Bonnie K.; Belogolovkin, Victoria; Tran, Lan; Rao, Anjali; Carroll, Ian; Barth, Richard; Chitkara, Usha*

10:24 AM–10:36 AM
297244 Placenta Accreta: Utility of Ultrasonography and Magnetic Resonance Imaging and Pathologic Correlation
Parra, G. De Jesus; Serrano, Saray; Vergara, Felipe; Díaz-Yunez, I.; Spath, Alfonso; De Nubbila, Eduardo*

10:36 AM–10:48 AM
298227 Diffusion-Weighted Magnetic Resonance Imaging of the Human Placenta
Lee, Wesley; Kapadia, Kevin; Shetty, Anil; Gonçalves, Luís F.; Espinoza, Jimmy; Romero, Roberto*

10:48 AM–11:00 AM
278750 Three-Dimensional Doppler of the Placenta and Spiral Arteries: Influence of Maternal Age and Parity
Zalud, Ivica; Shaha, Steven*

11:00 AM–11:12 AM
301282 Three-Dimensional Ultrasound in the Diagnosis and Management of Vasa Previa
Mastrolia, Ricardo; Oyelese, Yinka; Chavez, Martin; Kaminsky, Lillian; Nath, Carl; Smulian, John*

11:12 AM–11:24 AM
283127 Longitudinal Color Doppler Measurements of Uterine Artery Blood Flow in Relation to Spiral Artery Blood Flow
Deurloo, Koen; Bolte, Annemieke; Spreeuwenberg, Marieke; van Vugt, John*

Pediatrics

Moderators: Sara O'Hara, MD, Janet Adams, RVT, RDMS, CNMT, RT, and Michelle Gramke, RT, RDMS

Shubert Complex

10:00 AM–10:12 AM
297214 Neonatal Findings of Fusion of the Forniceal Columns and Absent Cavum Septum Pellucidum
Glanc, Phyllis; O'Connor, Sean; Blaser, Susan I.; Asztalos, Elizabeth; Raybaud, Charles*

10:12 AM–10:22 AM
284272 Cervical Rib: A Clinical Mimicker of a Neoplastic Neck Mass in Children That Can Be Diagnosed By Neck Ultrasonography (CR)
Mangrulkar, Vaibhav; Cohen, Harris L.*

10:22 AM–10:34 AM
294562 Characteristic Sonographic Hepatic Lesion in Neonates With Umbilical Venous Catheter Erosion
Lim-Dunham, Jennifer; Capitano, Holly; Vade, Aruna; Muraskas, Jonathan*

10:34 AM–10:44 AM
298953 Lipoprotein Lipase Deficiency in an Infant Presenting as Renal and Pancreatic Masses (CR)
Bellah, Richard; Servaes, Saba; Pawal, Bruce; Verma, Ritu*

10:44 AM–10:56 AM
289372 The Predictability of Vesicoureteral Reflux in Children Using Interlobar Renal Resistive Indices of Sonographically Normal Kidneys
Amodio, John; Stepansky, Flora; Rivera, Raphael; Pinkney, Lynne; Strubel, Naomi; Fefferman, Nancy*

10:56 AM–11:08 AM
297306 Vesicoureteral Reflux Mimicking Hydrocolpos
Snyder, Emma; Nguyen, Rechelle; Young, Keli; Coley, Brian D.*

11:08 AM–11:20 AM
292794 Dynamic Sonography of the Infant Clubfoot: Correlation of Foot Abduction With Sonographic Measurements
DiPietro, Michael A.; Little, Milton; Kuhns, Lawrence R.; Koujoc, Khaldoun; Caird, Michelle; Craig, Clifford L.; Robertson, Brian*

10:00 AM–11:30 AM

Just Images Session: Obstetric and Gynecologic Ultrasound

Broadway Ballroom North

This course will include an audience response system.

Participants discuss and view unique obstetric and gynecologic ultrasound cases.

Rochelle Andreotti, MD, Lawrence Mason, MD, Jill Herzog, RDMS, Marily Davis, RDMS, and Juliana Leite, MD

11:45 AM–12:45 PM

Meet-the-Professor Sessions

Five concurrent Meet-the-Professor sessions (MTPs) are offered at this time. The MTPs must be paid for separately. Visit the registration desk to register for any MTPs that are not sold out. MTP session objectives begin on page 66.

FP1 **Nonchromosomal Significance of Elevated First-Trimester Nuchal Translucency**
Ray Bahado-Singh, MD
O'Neill

FP2 **Ultrasound Evaluation of Fetal Cardiac Function**
Greggory DeVore, MD
Ziegfeld

FP3 **Ultrasound of the Gallbladder and Bile Ducts: A Logical Approach**
Suhas Parulekar, MD
Wilder

FP4 **Three-Dimensional Ultrasound in the Abdomen: Technology, Applications, and Work Flow**
Franklin Tessler, MD, CM
Brecht

FP5 **Avoiding Pitfalls in Obstetric Ultrasound**
Carolyn Zelop, MD
Odets

1:45 PM–3:15 PM

Categorical Courses

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

Big Problems From Small Parts

Moderator: Sara O'Hara, MD
Gramercy/Olmstead

Attendees of this course will develop strategies for evaluating lumps, bumps, and sources of pain outside the abdomen in pediatric patients. Scanning techniques, tips from the experts, and differential diagnoses will all be discussed.

1:45 PM–2:15 PM	Pediatric Neck *Lynn Fordham, MD*
2:15 PM–2:45 PM	Big Problems From Small Parts: Pediatric Breast *Sara O'Hara, MD*
2:45 PM–3:15 PM	Ultrasound in the Evaluation of the Pediatric Scrotum *Harris Cohen, MD*

Hybrid Imaging Technologies Involving Ultrasound

Moderators: Xueding Wang, PhD, and J. Brian Fowlkes, PhD

Marquis Ballroom

Participants of this course will be exposed to (1) emerging novel imaging and sensing technologies combining ultrasound and other signal sources; (2) the unique advantages of these hybrid imaging modalities over traditional imaging technologies; and (3) the current development of these technologies and their potential future applications in the clinic.

1:45 PM–2:00 PM	Ultrasound-Guided Diffusive Wave Optical Tomography for Breast Cancer Diagnosis and Chemotherapy Treatment Monitoring *Quing Zhu, PhD*
2:00 PM–2:15 PM	Ultrasound Imaging With Photoacoustic Image Overlay (USPA): Application to Cancer Diagnosis *Shai Ashkenazi, PhD*
2:15 PM-2:30 PM	The Application of a Photoacoustic Imaging Technique in Inflammatory Arthritis *Xueding Wang, PhD*
2:30 PM–2:45 PM	Ultrasound Vibration Potential Imaging and Ultrasound-Modulated X-ray Phase Contrast Imaging *Gerald Diebold, PhD*
2:45 PM–3:00 PM	Magnetic Resonance Elastography: Update *Richard Ehman, MD*
3:00 PM–3:15 PM	Questions and Answers

Managing Today's Sonography Practice

Moderator: Diana Strickland, BS, BA, RDMS, RDCS

Soho/Herald

This session will cover sonography practice management issues that remain a challenge for managers, such as justifying new equipment and retaining staff. Participants will be informed about emerging changes to the practice of ultrasound, such as how volume imaging will change workload management, and be updated on advanced practice sonography.

1:45 PM–2:05 PM	Volume Imaging Protocol *John Moreland, RDMS, RT(R)(CT), RVS*
2:05 PM–2:25 PM	Cost Analysis and Equipment or Employee Justification *Diana Strickland, BS, BA, RDMS, RDCS*
2:25 PM–2:45 PM	Employee Retention and Satisfaction *M. Robert De Jong, RDCS, RDMS, RVT*
2:45 PM–3:05 PM	Advanced Practice Sonography Update *Eric Meaders, MAED, RDMS, RVT*
3:05 PM–3:15 PM	Questions and Answers

The Intellectual Process and the Tools to Diagnose Congenital Anomalies: A Practical Approach Using Real Cases

Moderator: Philippe Jeanty, MD

Broadway Ballroom North

This course will include an audience response system.

After completion of this course, participants should be able to recognize difficult diagnoses based on ultrasound findings and be able to discuss differential diagnoses. The presenters will discuss how to put the findings together, do a recursive search for other findings, use the Online Mendelian Inheritance in Man database, and do a careful description of the anomalies to achieve a correct set of differential diagnoses.

1:45 PM–2:07 PM	Finding the Findings *Pilar Prats, MD*
2:07 PM–2:29 PM	Identifying the Most Significant Findings *Frantisek Grochal, MD*
2:29 PM–2:51 PM	Searching Databases and the Web *Juliana Leite, MD*
2:51 PM–3:15 PM	Putting It All Together *Philippe Jeanty, MD, PhD*

Ultrasound in Infertility: State of the Art, 2007

Moderator: Misty Blanchette Porter, MD

Broadway Ballroom South

Ultrasonography is integral in the evaluation and treatment of the infertile couple. A baseline ultrasound study and saline infusion sonohysterogram may reveal the etiology and fertility potential, as well as direct surgical correction. Ultrasound is key in follicular monitoring, oocyte retrieval, embryo transfer, and early pregnancy monitoring. The objective of this course is to improve general knowledge of the use of ultrasound as a tool in infertility.

1:45 PM–1:50 PM	Introduction *Misty Blanchette Porter, MD*
1:50 PM–2:25 PM	The Initial Infertility Evaluation by Ultrasound: What Is Important and What Is Not *Elizabeth Puscheck, MD*
2:25 PM–3:00 PM	Making Sense of Ultrasound in Infertility Treatment: It's Not Just About Follicles *Misty Blanchette Porter, MD*
3:00 PM–3:15 PM	Questions and Answers

Ultrasound of Nerve Entrapment

Moderator: Carlo Martinoli, MD

Shubert Complex

At the completion of this course, participants should be able to discuss the location of the most common nerve entrapments, explain the advantages of using ultrasound-guided techniques for diagnosis, identify the topographic and cross-sectional carpal and tarsal tunnel anatomy, and demonstrate techniques for ultrasound diagnosis of common tunnel syndromes.

1:45 PM–1:55 PM	Why Use Ultrasound to Diagnose Entrapment *Donald Ditmars, Jr, MD*
1:55 PM–2:25 PM	Upper Extremity Entrapment *Carlo Martinoli, MD*
2:25 PM–2:40 PM	Diagnosing Carpal Tunnel Disease *Marnix van Holsbeeck, MD*
2:40 PM–3:05 PM	Lower Extremity Entrapment *Carlo Martinoli, MD*
3:05 PM–3:15 PM	Questions and Answers

Ultrasound-Guided Procedures: A Hands-on Course

Moderator: Christopher Moore, MD

Empire Complex

During this session, the lecturers, as well as additional faculty, will work with course participants using ultrasound phantoms (provided by Blue Phantom Ultrasound Phantoms) to simulate ultrasound-guided procedures. (Advance registration is required.)

1:45 PM–2:05 PM	Ultrasound-Guided Access to Fluid-Filled Spaces in Critically Ill Patients *Christopher Moore, MD, RDMS*
2:05 PM–2:25 PM	Case Presentation of Ultrasound in the Dyspneic Patient *Michael Blaivas, MD, RDMS*
2:25 PM–3:15 PM	Hands-on Session

Plenary Session: Awards and Entertainment

3:30 PM–5:30 PM

Broadway Ballroom North

William J. Fry Memorial Lecture and Award

Laboratory Synergism

William O'Brien, Jr, PhD

The William J. Fry Memorial Lecture was established in 1969 to recognize Professor Fry's significant scientific and engineering ultrasound accomplishments as well as his important AIUM contributions. Professor Fry established the Bioacoustics Research Laboratory (BRL) at the University of Illinois in 1946. The notable accomplishments for which BRL is recognized in those early days of ultrasound were a team effort. A principal team member was William Fry's brother, Professor Francis (Frank) J. Fry, who joined him at BRL in 1946. The speaker will recount some of Professor Fry's contributions to BRL in the fields of diagnostic and therapeutic ultrasound. Frank died in September 2005 at the age of 85.

Awards

Joseph H. Holmes Clinical Pioneer and Basic Science Awards

Pioneer Awards

Jonathan Rubin, MD, PhD, Clinical
Ernest Madsen, PhD, Basic Science

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

Distinguished Sonographer Award

Diane Kawamura, PhD, RT(R), RDMS

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

Honorary Fellow Awards

Leandro Fernandez, MD
Seung Hyup Kim, MD

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

Memorial Hall of Fame Awards

Jeanne Cullinan, MD
Francis Fry, BS, MS
Frank Hadlock, MD

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

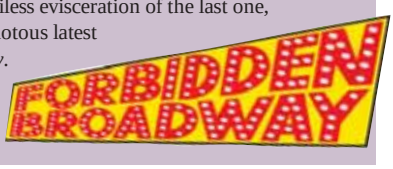
Memorial Hall of Fame presentations will take place during sessions named in honor of each awardee.

Endowment for Education and Research Grant Awards

Recipients to be announced.

Entertainment | Forbidden Broadway

The most inviting introduction to the new season on Broadway may well be Gerard Alessandrini's merciless evisceration of the last one, in the retooled, consistently riotous latest edition of *Forbidden Broadway*.
—The New York Times



5:30 PM–7:30 PM
Opening Reception in the Exhibit Hall

Friday, March 16, 2007

Following the Plenary Session, an Opening Reception will be held in the Exhibit Hall, featuring cocktails and hors d'oeuvres. Take this time to interact with colleagues, as well as representatives from leading companies in the ultrasound industry.

beautiful suburban location • free parking
• competitive salary and benefits • easy commute
• reimbursement for further education
• work with the experts

I discovered a place to fulfill my dreams in my career.

perinatal sonographer

(Full-Time and Flex)

St. Joseph Medical Center of Towson, MD, is currently in search of excellent candidates for our Perinatal Sonographer position. In this unique role, you will collaborate with patients, physicians and other departments to create a multidisciplinary health care team that provides continuous and well-coordinated care.

Qualified candidates will need at least one year of experience with RDMS OB/GYN NT and CPR certification.

My career with St. Joseph Medical Center is everything I was dreaming of. It's where the experts are. They share my dedication to patient care and they do it in a warm, caring environment where I'm encouraged and supported to develop and add to my professional skills.

I have competitive compensation and benefits, a convenient location and a schedule that allows time to find fulfillment in my life. If you want all this and more, talk with us about turning dreams into reality.

For more information on exciting career opportunities, please visit us online at www.stjosephjobs.org.

Interested candidates can also contact Julia Farrell at 410-337-1000 or JuliaFarrell@catholichealth.net.

CATHOLIC HEALTH INITIATIVES

St. Joseph Medical Center

Where the experts are.

Saturday, March 17
Convention

Schedule at a Glance

6:30 AM–5:45 PM	Registration Open
6:45 AM–7:45 AM	Meet-the-Professor Sessions
7:00 AM–8:00 AM	*Journal of Ultrasound in Medicine* Editorial and Advisory Board Breakfast
8:00 AM–9:30 AM	Categorical Courses
8:00 AM–9:30 AM	Hands-on Course: Musculoskeletal Ultrasound
8:00 AM–9:30 AM	"Getting Started" Ultrasound Practice Accreditation Workshop
8:30 AM–10:00 AM	Postgraduate Course Committee Meeting
9:30 AM–4:30 PM	Exhibit Hall Open
9:30 AM–10:30 AM	Refreshment Break in the Exhibit Hall
10:30 AM–12:00 PM	Scientific Sessions
10:30 AM–12:00 PM	New Investigator Session
10:30 AM–12:00 PM	Public Education and Resource Committee Meeting
12:15 PM–1:15 PM	Meet-the-Professor Sessions
12:15 PM–1:15 PM	Scientific Poster Discussion
12:15 PM–1:15 PM	Presidential Advisory Council
12:15 PM–1:15 PM	Lunch Break in Exhibit Hall
1:00 PM–2:30 PM	Membership Committee Meeting
1:30 PM–3:30 PM	Categorical Courses
1:30 PM–3:30 PM	Hands-on Course: Three-Dimensional Volume Manipulation in Obstetrics and Gynecology—Basic to Advanced Techniques
3:30 PM–4:30 PM	Professional Interest Section Meetings
3:30 PM–4:30 PM	Refreshment Break in the Exhibit Hall
3:30 PM–5:30 PM	Ultrasound Practice Accreditation Committee Meeting
4:30 PM–5:30 PM	Scientific Sessions
4:30 PM–5:30 PM	Just Images Session: Pediatric and Cardiovascular Ultrasound
7:00 PM–11:00 PM	Leadership Banquet and Club AIUM *(by invitation only)*

6:45 AM–7:45 AM

Meet-the-Professor Sessions

Five concurrent Meet-the-Professor sessions (MTPs) are offered at this time. The MTPs must be paid for separately. Visit the registration desk to register for any MTPs that are not sold out. MTP session objectives begin on page 66.

SATA1 **Analytic Approaches for Volume Sonography**
Wesley Lee, MD
O'Neill

SATA2 **Coding Issues in Obstetric Ultrasound**
Joshua Copel, MD
Ziegfeld

SATA3 **Duplex and Color Doppler Evaluation of the Abdominal Vessels**
John Pellerito, MD
Odets

SATA4 **Surveillance of Chronic Liver Disease: The Role of Sonography**
Stephanie Wilson, MD
Wilder

SATA5 **Breast Cancer Staging With Sonography**
Gary Whitman, MD
Brecht

8:00 AM–9:30 AM

Categorical Courses

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

Cervical Sonography and Prematurity: State of the Science

Moderator: Joseph Wax, MD

Broadway Ballroom North

This course will include an audience response system.

The proper technique and pitfalls of transvaginal sonography of the cervix will be reviewed in this course. Possible findings will be described with respect to cervical insufficiency and preterm birth. Assessments and interventions for abnormal cervical ultrasound findings will be discussed. Clinical cases will form the basis for discussions that will include the audience.

8:00 AM–8:20 AM	Cervical Sonography in the Ultrasound Unit: Practical Technique *James Smith, Jr, MD*
8:20 AM–8:40 AM	Ultrasound Cervical Assessment and Prematurity Risk *Charles Ingardia, MD*
8:40 AM–9:00 AM	The Short Cervix: A Gestational Age- Specific Approach to Assessment and Management *Joseph Wax, MD*
9:00 AM–9:30 AM	Faculty Case Presentations

Interventional Ultrasound: Therapy With Ultrasound Contrast Agents

Moderator: J. Brian Fowlkes, PhD

Soho/Herald

The goal of imaging should begin with detection but should ultimately treat detected disease. Ultrasound contrast has the potential to accomplish both goals using molecular imaging tools. This course will highlight what has been accomplished and what is still needed. The course will review research on the production and use of microbubbles to control and monitor blood flow and in the initiation of cavitational therapies. These microbubbles can be in the initial form of stabilized gas bubbles or generated from liquid droplets through interaction with acoustic fields. The course will also cover therapeutic issues of contrast agents, including drug delivery of recombinant tissue plasminogen activator using targeted ultrasound contrast agents in acute stroke.

8:00 AM–8:30 AM Use of Microbubbles in Occlusion and Ablative Therapy
J. Brian Fowlkes, PhD

8:30 AM–9:00 AM Better Blood Clot Breakup With Bubbles: Ultrasound-Enhanced Thrombolysis
Christy Holland, PhD

9:00 AM–9:30 AM Molecular Imaging With Ultrasound Contrast for Detection and Therapy
Robert Mattrey, MD

Transplant Sonography

Moderator: Wui Chong, FRCR

Astor Ballroom

The goal of this course is to develop approaches to the evaluation of renal, liver, and pancreas transplants. These approaches will be amalgamations of concepts culled from recent literature as well as the perspectives of expert practitioners.

8:00 AM–8:30 AM Transplant Ultrasound: The Pancreas
Myron Pozniak, MD

8:30 AM–9:00 AM Doppler Ultrasound Evaluation of Liver Transplants
Wui Chong, FRCR

9:00 AM–9:30 AM Ultrasound Imaging of Renal Transplants
Shweta Bhatt, MD

Vascular Ultrasound in Screening: Part I

Moderators: Edward I. Bluth, MD, and M. Robert De Jong, RDCS, RDMS, RVT

Broadway Ballroom South

This course will cover the role of sonography in screening for aortic aneurysms, carotid intima-media thickening, and thromboembolic venous disease. Faculty will discuss the newest advances pertaining to these diagnoses and elaborate on future trends regarding improvement in diagnosis.

8:00 AM–8:10 AM Ultrasound Contrast Agents: An Update
Lennard Greenbaum, MD

8:10 AM–8:25 AM Basic Principles of Ultrasound Screening
Mark Lockhart, MD, MP

8:25 AM–8:50 AM Carotid Plaque: Newer Concepts
Edward Bluth, MD

8:50 AM–9:10 AM Post-Carotid Stent Duplex Ultrasound
Ann Marie Kupinski, PhD, RVT

9:10 AM–9:30 AM Intima-Media Thickening: Associated Cerebrovascular Disease
Charles Tegeler, MD

Musculoskeletal Ultrasound: A Hands-on Course

Moderator: Marnix van Holsbeeck, MD

Empire Complex

This course will be divided into 2 sections: advanced and basic. At the completion of the advanced course, participants should be able to identify the topographic and cross-sectional carpal and tarsal tunnel anatomy and practice techniques for ultrasound diagnosis of common tunnel syndromes. Participants of the basic course should be able to identify normal joint anatomy of the shoulder, elbow, wrist, hand, hip, knee, ankle, and foot by ultrasound. (Advance registration is required.)

8:00 AM–9:30 AM Group I Basic: Evaluation of Capsule and Ligaments of Joints
Catherine Brandon, MD, David Fessell, MD, Jon Jacobson, MD, Theodore Miller, MD, Marnix van Holsbeeck, MD, and Carlo Martinoli, MD

8:00 AM–9:30 AM Group II Advanced: Ultrasound of the Nerves
Tracy Boon, MD, Sam Chhaya, MD, Rethy Chhem, MD, Gandikota Girish, MD, David Jamadar, MD, William Medford, RDMS, Levon Nazarian, MD, Veronica Rodriguez- Saad, MD, Caroline Sofka, MD, Lynwood Hammer, MD, and Ralf Thiele, MD

"Getting Started" Ultrasound Practice Accreditation Workshop

Moderator: Paula Woletz, MPH, RDMS, RDCS

Shubert Complex

At the end of this course, participants will have learned how to complete the ultrasound practice accreditation process. The course will also answer many of the most commonly asked questions about accreditation. (Advance registration is required.)

9:30 AM–10:30 AM

Refreshment Break in the Exhibit Hall

Westside Ballroom

10:30 AM–12:00 PM
Scientific Sessions

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

* indicates presenter.

Breast Ultrasound

Moderators: Cindy Rapp, BS, RDMS, and Elizabeth Burnside, MD

Marquis Ballroom

10:30 AM–10:42 AM
294252 A Comparison Study of Ultrasonic Holography for Breast Imaging
Hashimoto, Beverly E.; Andre, Michael; Fecht, Barbara A.; Garlick, Todd*

10:42 AM–10:54 AM
288393 Ultrasound-Guided Intranodal Injection of a Dendritic Cell Vaccine for the Treatment of Ductal Carcinoma In Situ of the Breast
Nisenbaum, Harvey L.; Czerniecki, Brian J.; Koldovsky, Ursula; Horii, Steven C.; Rowling, Susan E.; Xu, Shuwen; Zhang, Paul; Koski, Gary*

10:54 AM–11:06 AM
297161 Characterization of Volume Breast Ultrasound Scanner Imaging Performance
Nelson, Thomas; Nebeker, Jakob; Denton, Susie; Cervino, Laura; Pretorius, Dolores; Boone, John*

11:06 AM–11:18 AM
296014 Using Strain Imaging to Improve the Decision to Biopsy Solid Breast Masses on Ultrasound
Burnside, Elizabeth; Hall, Timothy J.; Sommer, Amy M.; Hesley, Gina K.; Sisney, Gale A.; Svensson, William E.; Fine, Jason P.; Jiang, Jinfeng; Hangiandreou, Nicholas J.*

11:18 AM–11:30 AM
295968 Comparative Evaluation of Vibrational Doppler Imaging and Hitachi's Sonoelastography Module in Detecting and Differentiating Breast Lesions
Iqbal, Asif; Frank, Tim; Cuschieri, Alfred*

11:30 AM–11:42 AM
295065 Shear Strain Elastograms Induced by Lateral Shear Deformation
Rao, Min; Varghese, Tomy*

11:42 AM–11:54 AM
295457 Update in Breast Vibroacoustography: In Vivo Results
Alizad, Azra; Whaley, Dana H.; Kinnick, Randall R.; Greenleaf, James F.; Fatemi, Mostafa*

Fetal Echocardiography and Obstetrics: Other

Moderators: Terry DuBose, MS, RDMS, and Eugene Toy, MD
Broadway Ballroom North

10:30 AM–10:42 AM
296741 A Novel Approach for Second-Trimester Ultrasound Screening for Congenital Heart Disease: Analysis of 524 Obstetric Ultrasound/Fetal Echo Pairs
Schwartz, Nadav; Fishman, Shira; Newman, Tiffany; Seubert, David E.; Phoon, Colin; Timor, Ilan*

10:42 AM–10:54 AM
295530 Assessment of Fetal Cardiac Diagnostic Display From Biplane Matrix Acquisitions
Kho, Jennifer; Pretorius, Dolores H.; D'Agostini, Deborah A.; Nelson, Thomas R.*

10:54 AM–11:06 AM
299491 Fetal Cardiac Ventricular Strain Using Velocity Vector Imaging
Lee, Wesley; Doreswamy, Anitha; Comstock, Christine H.; Bronsteen, Richard A.; Blackwell, Sean C.; Cutler, Nancy G.*

11:06 AM–11:18 AM
294634 Measurements of Left- and Right-Heart Cyclic Variation of Backscatter in Fetal Human Hearts at Mid Gestation
Holland, Mark R.; Singh, Gautam K.; Kulikowska, Agnieszka; Kirschner, Carol A.; Hicks, Deborah; Ludomirsky, Achiau*

11:18 AM–11:30 AM
295532 Is Fetal Anatomic Assessment on Follow-up Antepartum Sonograms Clinically Useful?
Toy, Eugene C.; Montealegre, Alvaro I.; Fernandez, Laura P.; Harms, Konrad P.; Kaplan, Alan L.*

11:30 AM–11:42 AM
283623 Patient Knowledge Regarding the Diagnostic Sensitivity of Routine Second-Trimester Ultrasound
Collingham, Justin P.; Grobman, William; Plaga, Stacey*

11:42 AM–11:54 AM
297346 Feasibility of Risk Assessment for Hereditary Breast or Ovarian Cancer During Perinatal Consultation
Jackson, David N.; Landgren, Susan*

High-Frequency Clinical and Preclinical Imaging

Moderators: Johnathan Mamou, PhD, and Jeffrey Ketterling, PhD
Shubert Complex

10:30 AM–10:42 AM
289314 High-Frequency Ultrasound Techniques for Quantitative Assessment of Cardiac Function in Mouse Models of Heart Transplantation
Khoshniat, Mahdieh; Zheng, Xiufen; Lian, Dameng; Min, Wei-ping; Lacefield, James*

10:42 AM–10:54 AM
279388 Impact of High-Resolution Microimaging With a 30-MHz Scanner for Evaluating Cardiac Function in Mice
Okajima, Kazue; Abe, Yukio; Asai, Tomohiro; Kwon, Susan; Jin, Zhezhen; Homma, Shunichi*

10:54 AM–11:06 AM
297074 Noninvasive Real-time Imaging of Intima Thickness in the Rat Using Ultrasound Biomicroscopy
Razyvaev, Anton; Lund, Kent; Roy, Joy; Hedin, Ulf; Caidahl, Kenneth*

11:06 AM–11:18 AM
295834 Improved Models for High-Frequency Quantitative Ultrasound Assessment of Cancer
Oelze, Michael L.; O'Brien, William D.; Zachary, James F.*

11:18 AM–11:30 AM
296443 Three-Dimensional Anatomic Imaging of the Mouse Embryo Using a 40-MHz Annular Array
Aristizabal, Orlando; Ketterling, Jeffrey A.; Turnbull, Daniel H.*

11:30 AM–11:42 AM
289483 High-Frequency Ultrasound Imaging of Cell Structural Changes Following Radiation Therapy
Roxana, Vlad M.; Giles, Anoja; Kolios, Michael C.; Czarnota, Gregory J.*

11:42 AM–11:54 AM
293699 Cepstrum Analysis of High-Frequency Ultrasound Backscatter Data From Purple Sea Urchin Embryos
*Nathanael, George; Baddour, Ralph; Vaziri, Homayooun; Czarnota, Gregory; Kolios, Michael C.**

Musculoskeletal Ultrasound

Moderators: Marnix van Holsbecck, MD, and William Medford, RDMS
Astor Ballroom

10:30 AM–10:42 AM
297081 Synovial Thickness in Healthy Volunteers
Ramos, Luis G.; Goldman, Michael; Saadeh, Constantine; Ramos, Christine; Skalsky, Katie; Lambert, Andi; Shelton, Daniel*

10:42 AM–10:54 AM
282802 Sonography of Simple, Complex, and Collapsed Ganglions of the Hand and Wrist: A Morphologic Analysis
Dahiya, Nirvikar; Teefey, Sharlene; Middleton, William D.; Boyer, Martin*

10:54 AM–11:06 AM
296986 Ultrasound of Volar Plate Injuries
*Tagliafico, Alberto; Capaccio, Enrico; Demondion, Xavier; Cotten, Anne; Bianchi, Stefano; Martinoli, Carlo**

11:06 AM–11:18 AM
282646 The Value of Sonography in Diagnosing Meniscal Tears With a Micro Convex Probe Compared With Arthroscopy
Najafi, Jila; Lahiji, Farivar A.*

11:18 AM–11:30 AM
279113 Ultrasound Imaging of Ganglia Near the Medial and Lateral Gastrocnemius Insertions
Ksar, Jamal S.; Lee, Kenneth; van Holsbeeck, Marnix*

11:30 AM–11:42 AM
295425 Quantification of Leg Muscle Atrophy Using an Echographic Scanner: Comparison With Magnetic Resonance Imaging Data
Arbeille, Philippe; Capri, Arnaud; Kerbeci, Pascaline; Roncin, Alain; Trappe, S.; Trappe, T.*

11:42 AM–11:54 AM
295859 Color Doppler Sonographic and Elastographic Differential Diagnosis of Skin Tumors
Nakajima, Michiko; Shimizu, Masao; Kiyohara, Yoshio*

New Investigator Awards Session

Moderator: Leon Frizzell, PhD
Soho/Herald

10:30 AM–10:42 AM
297210 Contralateral Lung Volumes Assessed by 3-Dimensional Ultrasonography in Fetuses With Isolated Congenital Diaphragmatic Hernia
Ruano, Rodrigo; Aubry, Marie C.; Barthe, Bruno; Dumez, Yves; Zugaib, Marcelo; Benachi, Alexandra*

10:42 AM–10:54 AM
292808 Preoperative Sonographic and Clinical Characteristics as Predictors of Ovarian Torsion
Shadinger, Libby L.; Kurian, Rachel L.; Andreotti, Rochelle F.*

10:54 AM–11:06 AM
297042 Quantification of Vascular Endothelial Growth Factor Receptor-2 Expression Using Targeted Contrast-Enhanced High-Frequency Ultrasonography
Lyshchik, Andrej; Fleischer, Arthur C.; Huamani, Jessica; Hallahan, Dennis E.; Gore, John C.*

11:06 AM–11:18 AM
295709 Modeling of Nonlinear Propagation in a Tissue-Mimicking Liquid
Stiles, Timothy

Photo not available.

11:18 AM–11:30 AM
293950 Testicular Epidermoid Cysts: Sonographic Features With Clinicopathologic Correlation
Manning, Maria A.; Woodward, Paula J.*

11:30 AM–11:42 AM
295737 The Role of Inertial Cavitation in Producing Sonoporation
Forbes, Monica M.; O'Brien, William D.*

11:42 AM–11:54 AM
296541 Semiautomatic Measurement of Thermally Ablated Lesions in Sonoelastographic Images
Castaneda, Benjamin; Zhang, Man; Bylund, Kevin; Christensen, Jared; Saad, Wael; Rubens, Deborah J.; Parker, Kevin J.*

Obstetrics: Aneuploidy

Moderators: Anthony Odibo, MD, and Lisa Deiranieh, RDMS
Broadway Ballroom South

10:30 AM–10:42 AM
296094 Second-Trimester Abnormal Nasal Bone: Association With Aneuploidy and Abnormal Sonographic Findings
Yeo, Lami; Klein, Rachel T.; Ananth, Cande; Smulian, John; Vintzileos, Anthony*

10:42 AM–10:54 AM
295661 Fetal Long Bones and Down Syndrome: Are Short Femur and Humeral Lengths Independent Markers?
Odibo, Anthony O.; Gray, Diana; Dicke, Jeffrey; Stamilio, David; Macones, George*

10:54 AM–11:06 AM
295320 Isolated Short Femur: What Does This Mean?
*Oh, Karen Y.; Frias, Antonio E.; Byrne, Janice L.B.; Kennedy, Anne M.**

11:06 AM–11:18 AM
295971 Revisiting Humeral Length for the Detection of Down Syndrome Fetuses
Gray, Diana L.; Dicke, Jeffrey M.; Dickerson, Rachel; McCourt, Carolyn; Odibo, Anthony O.*

11:18 AM–11:30 AM
285164 Prenatal Detection of Triploidy
Watson, William J.; Miller, Richard C.; Wax, Joseph R.; Yamamura, Yasko; Hansen, Wendy F.*

11:30 AM–11:42 AM
288253 Trisomy 18: Accuracy of Prenatal Detection by Targeted Ultrasound in the First and Second Trimesters of Pregnancy
Watson, William J.; Miller, Richard C.; Wax, Joseph R.; Hansen, Wendy F.; Yamamura, Yasko*

11:42 AM–11:54 AM
296956 Harm Resulting From Risk Reduction by the Genetic Sonogram in Advanced Maternal Age Patients
Henry, George P.

12:15 PM–1:15 PM

Meet-the-Professor Sessions

Five concurrent Meet-the-Professor sessions (MTPs) are offered at this time. The MTPs must be paid for separately. Visit the registration desk to register for any MTPs that are not sold out. MTP session objectives begin on page 66.

SATP1 **Breaking Bad News: Can We Make It Any Less Painful?**
Bryann Bromley, MD
O'Neill

SATP2 **Ultrasound-Guided Biopsies: What You Need to Know**
Ulrike Hamper, MD, MBA
Brecht

SATP3 **Obstetric Imaging With Magnetic Resonance Imaging**
Deborah Levine, MD
Ziegfeld

SATP4 **Sonography of Abdominal Wall Hernias**
Cindy Rapp, BS, RDMS
Odets

SATP5 **Doppler Artifacts and Pitfalls**
Deborah Rubens, MD
Wilder

12:15 PM–1:15 PM

Scientific Poster Discussion

Fourth and Seventh Floor Foyers

12:15 PM–1:15 PM

Lunch Break in the Exhibit Hall

Westside Ballroom

1:30 PM–3:30 PM
Categorical Courses

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

Emergency Ultrasound

Moderator: Leslie Scoutt, MD

Shubert Complex

This course will focus on topics of interest to physicians and sonographers who perform, interpret, or teach ultrasound used in patients presenting with acute complaints. The faculty will focus on 2 common and high-risk conditions that rely almost exclusively on ultrasound for the diagnosis. They assume a basic knowledge of the use of sonography in these situations and will focus on tips and potential pitfalls in making and ruling out diagnoses using ultrasound. The course will also cover the integration of emergency ultrasound into the cutting-edge educational area of medical simulation.

1:30 PM–2:00 PM	Ovarian Torsion: Tips and Pitfalls in Sonographic Diagnosis *Leslie Scoutt, MD*
2:00 PM–2:30 PM	Tips, Pitfalls, and Ancillary Findings in the Emergency Department Evaluation of Deep Venous Thrombosis *Christopher Raio, MD, RDMS*
2:30 PM–3:00 PM	Integration of Ultrasound Into Advanced Medical Simulation *Arun Nagdev, MD*
3:00 PM–3:30 PM	Ultrasound in 21st Century Medical Education *David Bahner, MD, RDMS*

Matrix Module

Examination of the Fetal Heart: A Systematic Approach

Moderator: Lami Yeo, MD

Broadway Ballroom North

This course will include an audience response system.

This course will review and discuss the appropriate sonographic examination of the fetal heart by utilizing a systematic approach. It will cover various cardiac views and techniques, starting with basic and progressing to more advanced techniques. When applicable, correlations with heart anomalies will also be discussed.

1:30 PM–1:50 PM	Performance of the Basic Examination of the Fetal Heart *Lami Yeo, MD*
1:50 PM–2:10 PM	Performance of an Extended Examination of the Fetal Heart *Greggory DeVore, MD*
2:10 PM–2:25 PM	Automated Sonography: Defining the Spatial Relationship of Standard Diagnostic Fetal Cardiac Planes in the Second Trimester of Pregnancy *Alfred Abuhamad, MD*
2:25 PM–2:40 PM	Global Ventricular Performance: A New Parameter of Fetal Cardiac Function *Wesley Lee, MD*

2:40 PM–2:55 PM Umbilical Artery Resistive Index and Left Ventricular Cardiac Output in Normal Fetuses During the Third Trimester of Pregnancy
Joaquin Santolaya-Forgas, MD

2:55 PM–3:15 PM How to Teach 3-Dimensional Techniques to Physicians and Sonographers
Alfred Abuhamad, MD

3:15 PM–3:30 PM Questions and Answers

High-Frequency Ultrasound Imaging of Blood Flow and the Vasculature

Moderators: Michael Kolios, PhD, and Michael Oelze, PhD

Soho/Herald

The objective of the course is to familiarize clinicians and sonographers with blood flow estimation, perfusion, and characteristics of the vasculature using high-frequency ultrasound. Clinical applications include intravascular ultrasound (IVUS) imaging of coronary arteries and ocular blood flow assessment. The latest methods in high-frequency ultrasound assessment of blood flow, IVUS, and perfusion imaging will be presented.

1:30 PM–2:00 PM Imaging Microbubbles With High-Frequency Ultrasound
Dave Goertz, PhD

2:00 PM–2:30 PM High-Frequency Ultrasound Imaging of Blood Flow and Vasculature: Perfusion and Microperfusion of Ocular Tissues
Ronald Silverman, PhD

2:30 PM–3:00 PM Evaluation of Circulatory Disorders in a Mouse Model Mimicking Human β-Thalassemia Major and Sickle Cell Anemia
Guy Cloutier, PhD

3:00 PM–3:30 PM Vascular Plaque Characterization With Intravascular Ultrasound Backscatter Analysis
Anuja Nair, PhD

Matrix Module

Imaging the Female Patient: Ultrasound Versus a Multimodality Approach

Moderator: Jill Langer, MD

Broadway Ballroom South

Ultrasound, computed tomography (CT), and magnetic resonance imaging (MRI) have been utilized in imaging the female patient and diagnosing various gynecologic diseases and tumors. Ultrasound is the first-line imaging modality for examining patients presenting with pelvic pain, evaluating early pregnancy complications, characterizing adnexal masses and making definitive diagnoses, and evaluating intracavitary uterine pathology. CT is often utilized in staging malignancies detected initially on ultrasound. MRI has been useful in evaluation of endometriomas and endometriosis, adenomyosis versus leiomyomas, uterine anomalies, and tumors versus fibrosis and is increasingly being used in pregnancy and obstetrics. Clinicians have direct contact with their patients, and ultrasound is the primary diagnostic tool in the imaging workup of the female patient. The radiologist is often confronted with an "exam" for interpretation, be it ultrasound, CT, or MRI. An introductory lecture will discuss the advantages and disadvantages of each modality, and examples will be portrayed. Following the introduction lecture, the two different approaches to the evaluation and workup of the female patient will be presented.

1:30 PM–1:40 PM	Introduction *Jill Langer, MD*
1:40 PM–2:10 PM	Pelvic Sonography: The Gynecologist's Indispensable Tool *Daniel Breitkopf, MD*
2:10 PM–2:25 PM	Adnexal Torsion: New Clinical and Imaging Observations *Emi Masuda, MD*
2:25 PM–2:40 PM	Defining Normal: 3-Dimensional Power Doppler Angiography of Cyclical Ovarian Blood Flow *Joanie Mayer Hope, MD*
2:40 PM–2:55 PM	The Value of 3-Dimensional Gray Scale and Power Doppler Ultrasound for Discrimination Between Benign and Malignant Endometria *Povilas Sladkevicius, MD, PhD*
2:55 PM–3:30 PM	The Mystery of Pelvic Pain: Advantages of the Multimodality Approach *Jill Langer, MD*

New Technologies: How Do They Get From the Bench to the Clinic?

Moderators: Jacques S. Abramowicz, MD, and Thomas R. Nelson, PhD

Marquis Ballroom

This course will provide an overview of how new technologies and developments migrate from the research lab to the clinical bedside. A variety of factors come into play during this process, and each will be considered with respect to their contribution to a successful migration. Successful research ideas require refinement to be successfully integrated into clinical instrumentation and implementation from the commercial vendor perspective. Additionally, it has become increasingly important to determine the clinical efficacy of the idea and ultimately to assemble sufficient supporting data to establish it as a viable clinical contribution to justify clinical use and reimbursement from insurance providers. Several specific examples (2-dimensional transducer arrays, volume ultrasound, and contrast agents) will be discussed that are at the forefront of new technological development.

1:30 PM–1:45 PM	The Idea: What Do the Researchers Do? *Thomas Nelson, PhD*
1:45 PM–2:00 PM	The Implementation: When Do the Companies Do It? *Dennis Meister, BSE*
2:00 PM–2:15 PM	The Efficacy: Why Are Clinical Studies Needed? *Wesley Lee, MD*
2:15 PM–2:30 PM	The Money: What Does It Take for Insurers to Pay? *Harvey Nisenbaum, MD*
2:30 PM–2:45 PM	Matrix Array Transducers: Challenges and Clinical Opportunities *Jim Brown, RT, RDMS, RDCS*
2:45 PM–3:00 PM	Contrast Agents: Is It Time Yet? *Michael Riccabona, MD*
3:00 PM–3:15 PM	Volume Ultrasound: Why, How, When *Dolores Pretorius, MD*
3:15 PM–3:30 PM	Incorporating New Technology in Your Practice: Now or Wait and See? *Jacques Abramowicz, MD*

Sonography and Urinary Tract Infections: World Perspectives on the Specimen Cup

Moderator: Harriet Paltiel, MD

Gramercy/Olmstead

Participants of this course will hear a panel of experts discuss historical practice, evidence-based principles, and current state of the art in imaging children with urinary tract infections, from both US and European perspectives. Audience participation in the panel discussion will provide an opportunity to have individual questions addressed and promote peer review of daily practice patterns.

1:30 PM–2:00 PM	Facts and Fables: An Overview *Steven Kraus, MD*
2:00 PM–2:30 PM	Sonography in Pediatric Urinary Tract Infections: the European Perspective *Michael Riccabona, MD*
2:30 PM–3:00 PM	Role of Sonography in the United States *Harriet Paltiel, MD*
3:00 PM–3:30 PM	Faculty Discussion

Sonography of the Anterior Neck

Moderator: Vikram Dogra, MD

Astor Ballroom

The goal of this course is to describe the sonographic evaluation of abnormalities of the thyroid, parathyroid, lymph nodes, and adjacent structures. Particular emphasis will be given to a practical and reasoned approach to the assessment and biopsy of thyroid nodules.

1:30 PM–2:00 PM	The Management of Thyroid Nodules: Still a Conundrum? *Louis Hinshaw, MD*
2:00 PM–2:30 PM	Postoperative Surveillance of Thyroid Carcinoma: Rationale, Techniques, and Controversies *Mitchell Tublin, MD*
2:30 PM–3:00 PM	Ultrasound Evaluation of the Parathyroid Glands *Vikram Dogra, MD*
3:00 PM–3:30 PM	Ultrasound Evaluation of Cervical Lymph Nodes *Suhas Parulekar, MD*

Three-Dimensional Volume Manipulation in Obstetrics and Gynecology—Basic to Advanced Techniques: A Hands-on Course

Moderator: Deborah D'Agostini, MD

Empire Complex

This course will demonstrate how to manipulate 3-dimensional (3D) volumes in real time. It will cover 3D volumes in obstetrics, including the fetal heart, face, spine, and extremities. Three-dimensional volumes in gynecology will also be presented, including normal and retroverted uterus and ovaries. Personal computers will be used for the demonstration, but the concepts of 3D volume manipulation can be used on any workstation or ultrasound equipment. (Advance registration is required.)

1:30 PM–1:50 PM	Gynecology *Sharon Horton, RT, RDMS*
1:50 PM–2:10 PM	Fetal Heart *Bardo Polanco, PhD*

2:10 PM–2:30 PM Obstetrics
Deborah D'Agostini, RDMS

2:30 PM–3:30 PM Hands-on Session

3:30 PM-4:30 PM
Professional Interest Section Meetings

Practice of Sonography — Empire Complex

Basic Science and Instrumentation — Marquis Ballroom

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

4:30 PM–5:30 PM
Scientific Sessions

Six concurrent sessions, each including 5 presentations on the latest ultrasound research, are offered during this period.
* indicates presenter.

Contrast Agents
Moderators: David Cosgrove, MA, MSc, and James Zagzebski, PhD
Astor Ballroom

4:30 PM–4:42 PM
296063 Variability in Lymphatic Drainage From Melanoma Tumors: The Effect of Tumor Location on the Detection of Sentinel Lymph Nodes
Goldberg, Barry B.; Merton, Daniel A.; Liu, Ji-Bin; Aruva, Mohan; Fox, Traci B.; Zhang, Kaijun; Chiou, See-Ying; Thakur, Madhukar; Forsberg, Flemming*

4:42 PM–4:54 PM
294474 Contrast-Enhanced Ultrasound for Guiding and Monitoring Ethanol Ablation of Canine Prostate
Liu, Ji-Bin; Chiou, See-Ying; Merton, Daniel A.; Yin, Li-Xue; Forsberg, Flemming; Goldberg, Barry B.*

4:54 PM–5:06 PM
297009 Three-Dimensional Perfusion Measurements Using a Dual-Transducer Ultrasound Contrast Agent Technique
*Chen, Nelson G.; Fowlkes, J. Brian; Carson, Paul L.; LeCarpentier, Gerald L.**

5:06 PM–5:18 PM
290687 Ultrasound Imaging With Resonant Contrast Microbubbles
Shi, William T.; Hall, Christopher S.; Rafter, Patrick G.*

5:18 PM–5:30 PM
297320 Ultrasound-Mediated Drug Release From Nanoscale Echogenic Liposomes
Abruzzo, Todd; Wang, Boyu; Kopechek, Johnathan; Kee, Patrick; Smith, Denise; Collier, Joel; McDonald, Robert; McPherson, David; Holland, Christy*

Genitourinary Ultrasound

Moderators: John Kim, MD, and Teresa Bieker, BS, RT, RDMS, RVT, RDMS

Marquis Ballroom

4:30 PM–4:42 PM
297236 Power Doppler Sonography of the Feeding Arteries of the Prostate Gland: A New Approach to the Diagnosis of Prostate Cancer?
Turgut, Ahmet T.; Olcucuoglu, Esin; Kosar, Pinar; Geyik, Pinar O.; Kosar, Ugur*

4:42 PM–4:54 PM
292063 Detection of Prostate Cancer With Contrast-Enhanced Microflow Imaging
Halpern, Ethan J.; Forsberg, Flemming; Linden, Robert A.; Gittens, Paul R.; Trabulsi, Edouard; Gomella, Leonard G.*

4:54 PM–5:06 PM
292846 Impact of Gray Scale, Color Doppler, and Elastography on Prostate Cancer Detection and Gleason Score
Halpern, Ethan J.; Nelson, Eric D.; Slotoroff, Craig B.; Gomella, Leonard G.*

5:06 PM–5:18 PM
296644 Transabdominal Ultrasound With Tissue Harmonic Imaging and Compound Imaging in the Diagnosis of Urinary Bladder Wall Abnormalities Detected at Cystoscopy
Francica, Giampiero; Bellini, Sergio; Scarano, Ferdinando; Miragliuolo, Antonio; De Marino, Fedele; Maniscalco, Mauro*

5:18 PM–5:30 PM
294576 Sonographic Findings in Fournier's Gangrene
Chin, Brian M.; Chong, Wui K.; Mittelstaedt, Carol A.*

Gynecology: The Ovary

Moderators: Steven Goldstein, MD, and J. Oscar Barahona, BS, RDMS

Broadway Ballroom South

4:30 PM–4:42 PM
295544 Histologic, Operative, and Sonographic Correlation of Adnexal Masses
Asch, Elizabeth; Levine, Deborah; Hecht, Jonathan; Kim, Young*

4:42 PM–4:54 PM
290067 Sonography of Ovarian Tumors Using Quantitated Color Doppler Sonography Versus Morphology
Fleischer, Arthur C.; Andreotti, Rochelle F.; Wilson, Wendy D.; Valet, Amy S.; Green-Jarvis, Brenda; Lyshchik, Andrej*

4:54 PM–5:06 PM
297247 Assessment of the Vascular Tree in Ovarian Tumors Using 3-Dimensional Power Doppler Ultrasound
Sladkevicius, Povilas; Jokubkiene, Ligita; Valentin, Lil*

5:06 PM–5:18 PM
294251 Hyperechoic Ovarian Stroma: Not an Ultrasonographic Sign of Polycystic Ovarian Syndrome
Yeh, Hsu-Chong; Futterweit, Walter*

5:18 PM–5:30 PM
297209 Imaging Trends in Patients With Proven Ovarian Torsion
Moore, Christopher L.; Capotasto, Juliana*

Interventional and Intraoperative Sonography

In Memory of Jeanne Cullinan, MD

Moderators: Vikram Dogra, MD, and M. Robert De Jong, RDCS, RDMS, RVT

Soho/Herald

4:30 PM–4:42 PM
297238 Comparison of Infection Rates Among Ultrasound-Guided Versus Blindly Placed Peripheral Intravenous Lines
Adhikari, Srikar; Blaivas, Michael; Morrison, Daniel*

4:42 PM–4:54 PM
297351 Ultrasound-Guided Intra-articular Injection of Hyalan G-F 20 in the Treatment of Symptomatic Hip Osteoarthritis
Sorrentino, Fortunato; Iovane, Angelo; Nicosia, Antonio; Midiri, Massimo*

4:54 PM–5:06 PM
296761 Real-time Biplane Ultrasound Guidance for Interventional Procedures
Kolokythas, Orpheus; Bruce, Matthew F.; Gauthier, Thomas; Andrews, R. Torrance; Timm, Brian A.; Dighe, Manjiri K.; Cuevas, Carlos; Mitsumori, Lee M.; Dubinsky, Theodore J.; Warren, Bill H.*

5:06 PM–5:18 PM
296758 Contrast-Enhanced Ultrasound Guidance for Interventional Procedures Using Simultaneous Imaging of Contrast and Tissue
Kolokythas, Orpheus; Bruce, Matthew F.; Andrews, R. Torrance; Gauthier, Thomas; Timm, Brian A.; Dighe, Manjiri K.; Cuevas, Carlos; Mitsumori, Lee M.; Dubinsky, Theodore J.; Warren, Bill H.*

5:18 PM–5:30 PM
296777 Three- and 4-Dimensional Contrast-Enhanced Ultrasound in Liver Interventions
Bruce, Matthew F; Kolokythas, Orpheus; Gauthier, Thomas; Timm, Brian A.; Andrews, R. Torrance; Dighe, Manjiri; Cuevas, Carlos; Mitsumori, Lee; Dubinsky, Theodore J.; Warren, Bill H.*

Obstetrics: First Trimester

Moderators: Eugene Toy, MD, and Deborah D'Agostini, RDMS

Broadway Ballroom North

4:30 PM–4:42 PM
297262 Rationalizing the Follow-up of Pregnancies of Unknown Location
Kirk, Emma; Condous, George; Tan, Linda; Van Calster, Ben; Van Huffel, Sabine; Timmerman, Dirk; Bourne, Tom*

4:42 PM–4:54 PM
297268 Hyperemesis Gravidarum: Is an Ultrasound Scan Necessary?
Kirk, Emma; Papageorghiou, Aris T.; Condous, George; Bottomley, Cecilia; Tan, Linda; Bourne, Tom*

4:54 PM–5:06 PM
297270 The Value of Ultrasound for the Diagnosis of Gestational Trophoblastic Disease
Kirk, Emma; Papageorghiou, Aris T.; Condous, George; Bottomley, Cecilia; Tan, Linda; Bourne, Tom*

5:06 PM–5:18 PM
294175 The Value of Repeat Evaluation Following Failed Nuchal Translucency Measurement
Wax, Joseph; Pinette, Michael; Cartin, Angelina; Blackstone, Jacquelyn*

5:18 PM–5:30 PM
297298 Combining 110 Fetal Biometry Charts With a Multicenter Sonomorphology Mapping Database at the 6- to 16-Week Malformation Workup
Rottem, Shraga; Sood, Rupa; Lysikiewicz, Andrzej; Tintle, Suzanne; Macedonia, Christian; Lopez, Lilian; Gembruch, Ulrich; Birnholz, Jason; Chen, Min; Bombard, Allan; Deefort, Paul; Yeboa, Kwame*

Ultrasound Training, Techniques, and Patient Care

Moderator: Wayne Persutte, PhD, MS, RDMS
Gramercy/Olmstead

4:30 PM–4:42 PM
295775 Peripheral Nerve Imaging With Ultrasound: Construction of a Web-Based Atlas
Gray, Andrew; Schafhalter-Zoppoth, Ingeborg*

4:42 PM–4:54 PM
296166 Assessment of an Ultrasound Training Program for Physicians From the Caribbean and Central and South America
Baltarowich, Oksana H.; Goldberg, Barry B.; Wilkes, Annina N.; Fox, Traci B.; Veloski, J. Jon*

4:54 PM–5:06 PM
294586 A Model to Serve: Improving Obstetric Ultrasound Access and Safety-Net Hospital Revenues by Developing a Regional System of Care
Byrne, James; Colon, Iris; DeFresne, Jenny; Wilcox, Nichole; Spencer, Roger*

5:06 PM–5:18 PM
289207 Commercial Fetal Keepsake Ultrasound: A Comparison With Prenatal Ultrasound Imaging in the Maternal-Fetal Medicine Setting
Simonsen, Sara E.; Varner, Michael; Nelson, Kristi; Rose, Nancy C.*

5:18 PM–5:30 PM
296748 Advanced Diagnostic Ultrasound in Microgravity, Onboard Proficiency Enhancer, and Application to Terrestrial Situations
Tran, Leanne; Hamilton, Douglas; Dulchavsky, Scott

4:30 PM–5:30 PM

Just Images Session: Pediatric and Cardiovascular Ultrasound

Shubert

Participants discuss and view unique pediatric and cardiovasular ultrasound cases.

Brian Coley, MD, Michael DiPietro, MD, Marsha Neumyer, BS, RVT, Beatrice Madrazo, MD, RVT, and John Pelleritou, MD

7:00 PM–11:00 PM

Leadership Banquet and Club AIUM

48th Floor • The View *(by invitation only)*

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April 28, 2007.

Sunday, March 18
Convention

Schedule at a Glance

6:30 AM–5:00 PM	Registration Open
7:00 AM–8:00 AM	Meet-the-Professor Sessions
7:30 AM–8:00 AM	Exhibit Advisory Committee Meeting
8:15 AM–10:15 AM	Categorical Courses
8:15 AM–10:15 AM	Hands-on Course: Cardiovascular Ultrasound
8:15 AM–10:15 AM	Hands-on Course: Neurosonology
8:15 AM–9:45 AM	Clinical Standards Committee Meeting
9:30 AM–1:30 PM	Exhibit Hall Open
10:15 AM–11:15 AM	Refreshment Break in Exhibit Hall
10:45 AM–12:15 PM	Council on Sections Meeting
11:15 AM–12:15 PM	Film Panel Sessions
12:30 PM–1:30 PM	Meet-the-Professor Sessions
12:30 PM–1:30 PM	Scientific Poster Discussion
12:30 PM–1:30 PM	Lunch Break in Exhibit Hall
1:30 PM–1:45 PM	AIUM Business Meeting
1:45 PM–3:15 PM	Categorical Courses
2:00 PM–4:00 PM	Executive Committee Meeting
3:30 PM–5:00 PM	Scientific Sessions
3:30 PM–5:00 PM	Just Images Session: Abdominal and Musculoskeletal Ultrasound

7:00 AM–8:00 AM

Meet-the-Professor Sessions

Five concurrent Meet-the-Professor sessions (MTPs) are offered at this time. The MTPs must be paid for separately. Visit the registration desk to register for any MTPs that are not sold out. MTP session objectives begin on page 66.

SUNA1 **Tricks of the Trade**
Alfred Abuhamad, MD
O'Neill

SUNA2 **Multiple Gestations**
Carol Benson, MD
Ziegfeld

SUNA3 **Neonatal Neurosonology**
Dorothy Bulas, MD
Brecht

SUNA4 **Obstetric Measurements: Which Ones Are Important?**
Peter Doubilet, MD
Odets

SUNA5 **Translating Clinical Care Into Income: Utilizing the RBRVS System to Understand How What You Do Creates What You Earn**
Robert Wolfson, MD, PhD
Wilder

8:15 AM–10:15 AM

Categorical Courses

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

Arthrosonography

Moderator: Carlo Martinoli, MD

Shubert Complex

At the completion of this course, participants should be able to identify normal joint anatomy of the shoulder, elbow, wrist, hand, hip, knee, ankle, and foot by ultrasound; gain optimal ultrasound access to the joint capsules of individual joints; discuss the indications/findings for musculoskeletal sonography in rheumatology applications; explain the use of musculoskeletal sonography for diagnosis and ultrasound-guided intervention in painful and inflamed joints; and identify sonographic characteristics of commonly seen joint pathology.

8:15 AM–8:30 AM	Ultrasound Anatomy of the Joint *Caroline Sofka, MD*
8:30 AM–8:45 AM	Internal Derangement *Rethy Chhem, MD*
8:45 AM–9:00 AM	Infections *Antonio Bouffard, MD*
9:00 AM–9:15 AM	Ultrasound Guidance Improves Outcomes in Rheumatology *Ralf Thiele, MD*
9:15 AM–9:30 AM	Use of Color Doppler and Power Doppler in Evaluation of Inflamed Joints *Ronald Adler, MD*
9:30 AM–9:45 AM	Ultrasound-Guided Intervention in and Around Joints *Etienne Cardinal, MD*
9:45 AM–10:00 AM	Questions and Answers

Fetal Cardiac Screening Examination

Moderator: Greggory DeVore, MD

Broadway Ballroom North

This course will include an audience response system.

This course will review basic and extended fetal cardiac screening examination strategies, including application of 3- and 4-dimensional techniques to enhance the examination for increasing the identification of congenital heart disease in the general population.

8:15 AM–8:45 AM	Basic Fetal Cardiac Screening Examination *Alfred Abuhamad, MD*
8:45 AM–9:15 AM	Extended Fetal Cardiac Screening Examination *Wesley Lee, MD*
9:15 AM–9:45 AM	Three- and 4-Dimensional Fetal Cardiac Examination *Luís Gonçalves, MD*
9:45 AM–10:15 AM	Update of AIUM Fetal Heart Screening CD-ROM *Greggory DeVore, MD*

How to Obtain Great Obstetric Images

Moderator: Diana Strickland, BS, BA, RDMS, RDCS

Gramercy/Olmstead

This session will cover scanning skills, tips, and techniques for general obstetric, fetal heart, and obstetric Doppler assessment to help the sonographer and sonologist improve the percentage of high-quality diagnostic examinations. A review of basic techniques to tips that the experts use on those technically challenging patients will be discussed.

8:15 AM–8:50 AM	Imaging of Neural Tube Defects: Isolating the Level of the Lesion Using 2- and 3-Dimensional Imaging Techniques *Cyrethia McShane, BS, RDMS*
8:50 AM–9:25 AM	Obtaining Great 2-Dimensional Fetal Heart Images *Diana Strickland, BS, BA, RDMS, RDCS*
9:25 AM–10:00 AM	Obstetric Doppler *Charlotte Henningsen, MS,RT, RVT, RDMS*
10:00 AM–10:15 AM	Questions and Answers

Recent Technical Developments in High-Frequency Ultrasound

In Memory of Francis Fry, BS, MS

Moderators: Michael Kolios, PhD, and Hector Lopez, ScD

Marquis Ballroom

Participants of this course will become familiar with technical advances and developments in high-frequency ultrasound (HFU, 20–200 MHz), as well as the advantages and limits of this technology. High-frequency ultrasound offers higher resolution (10–100 µm) than conventional ultrasound at the cost of reduced penetration in tissue. Current clinical uses include ophthalmic, dermatologic, and intravascular imaging, as well as other modes of data presentation. Growing applications include research on small animals, where high spatial and temporal resolution are required, and molecular imaging, in which probes (biomarkers) are used to image various targets or pathways. Currently, there are commercial devices that produce HFU, but the applications and uses have been limited because of the type and size of transducers available. Course speakers will discuss advances in transducer and signal processing technology, possible expanded applications, and future directions of this technology.

8:15 AM–8:45 AM Recent Developments in High-Frequency Transducers and Arrays
K. Kirk Shung, PhD

8:45 AM–9:15 AM High-Frequency Ultrasound Imaging Using Capacitive Micromachined Ultrasonic Transducers
Pierre Khuri-Yakub, PhD

9:15 AM–9:45 AM Functional and Molecular Micro-Ultrasound Imaging of Mice
F. Stuart Foster, PhD

9:45 AM–10:15 AM Near-Future Applications and Developments in High-Frequency Ultrasound
Peter Lewin, MSc, PhD

Matrix Module:

Ultrasound Presentations of 2-Dimensional and 3- Dimensional (3D) Obstetric and Gynecologic Cases as Unknowns to the Audience: Where Did 3D Make a Difference?

In Memory of Frank Hadlock, MD

Moderator: Beryl Benacerraf, MD

Broadway Ballroom South

The speakers will work together to present as many obstetric and gynecologic cases as time permits for the audience to view as unknowns. Once the audience has voted on the final diagnosis, the case will be discussed, including the imaging findings that were important to making the correct diagnosis and the importance (or not) of 3D ultrasound in each case.

8:15 AM–8:35 AM Unknown Cases in Obstetrics and Gynecology for Discussion
Lawrence Platt, MD

8:35 AM—8:55 AM Unknown Cases in Obstetrics and Gynecology for Discussion
Ilan Timor, MD

8:55 AM–9:07 AM Fetal Cranial Assessment Utilizing a Single Tomographic Ultrasound Imaging Acquisition Compared to Standard 2- or 3-Dimensional Evaluations Alone
David Jackson, MD

9:07 AM–9:19 AM Nomograms of Fetal Lung Volumes Estimated by 3-Dimensional Ultrasonography Using the Rotational Technique (Virtual Organ Computer-Aided Analysis)
Rodrigo Ruano, MD, PhD

9:19 AM–9:31 AM Informative Collaboration of Targeted Fetal 3-Dimensional Ultrasound With In Utero Magnetic Resonance Imaging in Rural Consultation
David Jackson, MD

9:31 AM–9:51 AM Unknown Cases in Obstetrics and Gynecology for Discussion
Alfred Abuhamad, MD

9:51 AM–10:15 AM Unknown Cases in Obstetrics and Gynecology for Discussion
Beryl Benacerraf, MD

Matrix Module:
Vascular Ultrasound

Moderator: Mark Kliewer, MD

Astor Complex

The goal of this course is to provide context and expert commentary on scientific abstracts presented at the meeting. Abstracts were chosen for discussion on the basis of their quality, innovative approach, and controversial positions.

8:15 AM–8:45 AM	New Doppler Techniques in the Abdomen: The Session in Context *Mark Kliewer, MD*
8:45 AM–8:57 AM	Hemodynamics of the Left Gastric Vein and Left Gastric Artery in Portal Hypertension *Shoichi Matsutani, MD*
8:57 AM–9:09 AM	Leg Arterial and Venous Hemodynamic and Tissue Response to an Induced Fluid Shift With and Without Elastic Compression Stockings *Philippe Arbeille, MD, PhD*
9:09 AM–9:21 AM	In Vitro in-Stent Restenoses Evaluated Using 3-Dimensional Freehand Ultrasound *Myriam Lécart, BIng*
9:21 AM–9:33 AM	The Use of Contrast-Enhanced Ultrasound in Detecting Type II Endoleaks After Endovascular Abdominal Aortic Aneurysm Repair *Anna Drelich-Zbroja, MD*
9:33 AM–9:45 AM	Clinical Application of Percutaneous Transcatheter Closure of Atrial Septal Defects With Transthoracic Integrated Echocardiography Only *Jia-Kan Chang, MD*
9:45 AM–10:15 AM	New Doppler Techniques in the Abdomen: The Session in Review *Deborah Rubens, MD*

Cardiovascular Ultrasound: A Hands-on Course

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

Empire Complex

This session will discuss the protocols for screening of the peripheral arteries, carotids, and abdominal aorta; offer hands-on opportunity for attendees; and elaborate on the scanning approach for successful imaging of difficult patients. (Advance registration is required.)

8:15 AM–8:25 AM	Peripheral Arterial Disease: Protocol *Pamela Dickson, MD*
8:25 AM–8:35 AM	Carotid Occlusive Disease: Protocol *Gene Doverspike, RVT*
8:35 AM–8:45 AM	Abdominal Aortic Aneurysm: Protocol *Marsha Neumyer, BS, RVT*
8:45 AM–10:15 AM	Hands-on Session

Neurosonology: A Hands-on Course

Moderators: Charles Tegeler, MD, and Dorothy Bulas, MD

Soho/Herald

Transcranial Doppler (TCD) is an important neurodiagnostic method, with rapidly expanding clinical cerebrovascular applications, from infants to adults. This hands-on course will describe various techniques of TCD, including the use of imaging and nonimaging methods via the transtemporal approach. Participants will be able to view the study being performed as well as practice performing the exam. This course is appropriate for anyone interested in learning the techniques of TCD and reviewing applications from infants to adults. (Advance registration is required.)

8:15 AM–8:25 AM	Transcranial Doppler/Power M-mode Technique *Zsolt Garami, MD*
8:25 AM–8:35 AM	Transcranial Color Doppler Sonography *Dorothy Bulas, MD*
8:35 AM–8:45 AM	Carotid Intimal-Medial Thickness/ Distensibility *Tatjana Rundek, MD, PhD*
8:45 AM–8:55 AM	3- and 4-Dimensional Sonography of the Neonatal Brain *Michael Riccabona, MD*
8:55 AM–10:15 AM	Hands-on Session *Zsolt Garami, MD, Dorothy Bulas, MD, Charles Tegeler, MD, Tatjana Rundek, MD, PhD, Sam Trocio, RDMS, Roque Sia, RDMS, Oscar Ramos, RDMS, Romel Ramos, RDMS, Dina Cabral, RDMS, and Linda Rebolo, RDMS*

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

Westside Ballroom

11:15 AM–12:15 PM
Film Panel Session

The film panel offered at this hour will allow you to test your skills with the experts.

Obstetric and General Imaging Film Panel

Broadway Ballroom North

This course will include an audience response system.

Film Panel Cochairs: J. Oscar Barahona, BS, RDMS, Mark Lockhart, MD, MPH, Jiri Sonek, MD, RDMS

12:30 PM–1:30 PM
Meet-the-Professor Sessions

Three concurrent Meet-the-Professor sessions (MTPs) are offered at this time. The MTPs must be paid for separately. Visit the registration desk to register for any MTPs that are not sold out. MTP session objectives begin on page 66.

SUNP1 **Ultrasound Imaging of Angiogenesis**
Flemming Forsberg, PhD
Wilder

SUNP2 **Nuts and Bolts of 3- and 4-Dimensional Ultrasound**
Luís Gonçalves, MD
Brecht

SUNP3 **Interventional Musculoskeletal Ultrasound Update**
Levon Nazarian, MD
Odets

12:30 PM–1:30 PM

Scientific Poster Discussion

Fourth and Seventh Floor Foyers

12:30 PM–1:30 PM

Lunch Break in the Exhibit Hall

Westside Ballroom

1:30 PM–1:45 PM

AIUM Business Meeting

Ziegfeld

1:45 PM–3:15 PM

Categorical Courses

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

How to Obtain Great Abdominal/Vascular Images

Moderator: Marsha M. Neumyer, BS, RVT

Soho/Herald

This course will cover scanning skills, tips, and techniques for abdominal examinations, interventional procedures, and lower extremity examinations to help the sonographer and sonologist improve the percentage of high-quality diagnostic examinations. A review of basic techniques to tips that the experts use on those technically challenging patients will be discussed.

1:45 PM–2:15 PM	Basic Abdominal Scan and Doppler *Eric Meaders, MAED, RDMS, RVT*
2:15 PM–2:45 PM	Ultrasound-Guided Procedures: Pearls and Pitfalls *M. Robert De Jong, RDCS, RDMS, RVT*
2:45 PM–3:15 PM	How to Obtain Great Abdominal/Vascular Images *Marsha M. Neumyer, BS, RVT*

Obstetric Magnetic Resonance Imaging

Moderator: Deborah Levine, MD

Broadway Ballroom North

This course will include an audience response system.

This course will cover magnetic resonance imaging (MRI) in the care of the pregnant patient with abdominopelvic pain and will illustrate the use of MRI in the care of the fetal surgery patient. Participants will discuss the impact of MRI on counseling and treatment of fetuses with central nervous system abnormalities.

1:45 PM–1:55 PM	Introduction *Deborah Levine, MD*
1:55 PM–2:35 PM	Magnetic Resonance Imaging for Fetal Central Nervous System Anomalies *Ruth Goldstein, MD*
2:35 PM–2:55 PM	Magnetic Resonance Imaging in Complex Fetal Anomalies and Fetal Surgery Patients *Deborah Levine, MD*
2:55 PM–3:15 PM	Panel Discussion

The Silent Pathology: Scanning the Female Pelvic Floor

Moderator: Ilan Timor, MD

Broadway Ballroom South

The objective of this course is to familiarize obstetric and gynecologic practitioners and imaging specialists with the sonographic evaluation of the pelvic floor. A clinical overview will present the aspects of various pelvic floor pathologies, followed by an imaging presentation, which will touch on the sonographic and magnetic resonance imaging issues of examining involved structures, including the pelvic floor, urinary bladder, uterus, and anorectal sphincter mechanism.

1:45 PM–2:15 PM	Setting the Stage *Robert Porges, MD*
2:15 PM–2:45 PM	Ultrasound and the Pelvic Floor and Anal Sphincter *Ilan Timor, MD*
2:45 PM–3:15 PM	Can Magnetic Resonance Imaging Help? *Genevieve Bennett, MD*

Update on Transcranial Doppler Applications

Moderator: Charles Tegeler, MD

Shubert Complex

Transcranial Doppler ultrasound (TCD) is an important neurodiagnostic method, with rapidly expanding clinical cerebrovascular applications, from infants to adults. This course will discuss 3 key uses of TCD and would be appropriate for anyone who performs or interprets cerebrovascular ultrasound studies.

1:45 PM–2:15 PM	Advances in Therapeutic Applications of Transcranial Ultrasound *Zsolt Garami, MD*
2:15 PM–2:45 PM	Transcranial Doppler With Carotid Endarterectomy and Stenting *Tanja Rundek, MD*
2:45 PM–3:15 PM	Transcranial Doppler for Sickle Cell Disease *Dorothy Bulas, MD*

Vascular Ultrasound In Screening: Part II

Moderator: R. Eugene Zierler, MD

Marquis Ballroom

This course will cover the role of sonography in screening for aortic aneurysms, carotid intima-media thickening, and thromboembolic venous disease, as well as discuss the newest advances pertaining to these diagnoses and elaborate on future trends regarding improvement in diagnosis.

1:45 PM–2:05 PM	Abdominal Aortic Aneurysms: Imaging Methods *John Pellerito, MD*
2:05 PM–2:25 PM	Abdominal Aortic Aneurysms: Therapeutic Options *R. Eugene Zierler, MD*
2:25 PM–2:45 PM	Thrombophilia and Pregnancy *Beatrice Madrazo, MD, RVT*
2:45 PM–3:05 PM	Venous Insufficiency: Diagnosis and Management *Laurence Needleman, MD*
3:05 PM–3:15 PM	Questions and Answers

3:30 PM–5:00 PM
Scientific Sessions

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

* indicates presenter; (CR) indicates Case Report.

Emergency Ultrasound

Moderator: Arun Nagdev, MD

Gramercy/Olmstead

3:30 PM–3:42 PM
297182 Utility of Focused Chest Ultrasound in the Diagnosis of Patients With Unexplained Dyspnea
Moore, Christopher L.; Chen, Jeffrey; Lynch, Kristin; Osborne, Michael; Solomon, David*

3:42 PM–3:54 PM
295357 Focused Abdominal Sonography for Trauma as a Triage Tool in Multiple-Casualty Incidents
Beck-Razi, Nira; Michaelson, Moshe; Gaitini, Diana E.*

3:54 PM–4:06 PM
296126 Technical and Interpretive Error Rates of the Focused Assessment With Sonography in Trauma Exam
Gaspari, Romolo; Montoya, Anthony; Blehar, David; Dickman, Eitan*

4:06 PM–4:18 PM
297142 Emergency Department Screening of Abdominal Aortic Aneurysms by Bedside Ultrasonography
Holliday, R. Scott; Moore, Christopher L.*

4:18 PM–4:30 PM
295160 Prospective Evaluation of Emergency Physician-Performed Bedside Ultrasound in the Diagnostic Workup of Acute Appendicitis
Solley, Matthew; Zlidenny, Alexander; Anderson, Craig; Fox, J. Christian*

4:30 PM–4:42 PM
282792 Utility of High-Frequency Transducer Sonography in Scrotal Trauma
Bhatt, Shweta; Dogra, Vikram*

4:42 PM–4:54 PM
295354 Urgent Ultrasonography in the Diagnosis of Choledocholithiasis: Analysis of Factors Influencing Stone Detection
Yeh, Yung-Hsiang; Chen, Chien-Hua; Yang, Chi-Chieh; Hwang, Min-Ho*

Fetal Growth and Multiple Gestations

Moderator: Joan Mastrobattista, MD

Broadway Ballroom South

3:30 PM–3:42 PM
298260 Are Third-Trimester Growth Velocity Measurements Related to Newborn Infant Percent Body Fat?
Lee, Wesley; Sameera, Sameera; Deter, Russell L.; Gonçalves, Luís F.; Espinoza, Jimmy; Yao, Manjiang; Romero, Roberto*

3:42 PM–3:54 PM
296211 Breast Cancer and Neoadjuvant Chemotherapy: Effect on Fetal Growth
Ramirez, Mildred R.; Fonseca, Linda; Hahn, Karin M.E.; Theriault, Richard L.*

3:54 PM–4:06 PM
297590 The Fetal Midphalanx of the Fifth Digit: Normal Ossification Process Between 13 and 17 Weeks of Gestation
Zalel, Yaron; Achiron, Reuven; Kivilevich, Zvi*

4:06 PM–4:18 PM
297350 Ethnic Variations of Sexual Dimorphism in Fetal Growth
Edwards-Silva, Racine; Ogunyemi, Dotun; Hobel, Calvin*

4:18 PM–4:30 PM
296179 Ultrasound Prediction of Actual Birth Weight and Discordance in Diamniotic-Dichorionic Twins
Belogolovkin, Victoria; Ferrara, Lauren; Moshier, Erin; Eddleman, Keith; Stone, Joanne L.*

4:30 PM–4:42 PM
297281 Accuracy of Sonographic Twin Discordance Estimates at ≥32 Weeks' Gestation
Lee, Young M.; McLean, David*

4:42 PM–4:54 PM
296060 Ultrasonographic Determination of Amniotic Fluid Volume in Twin Pregnancy Using the Largest Vertical Pocket Technique
Feldman, Noa F.; Singer, Tomer; Sicherman, Nachum; Mintz, Jessica C.; Barnhard, Yoni; Divon, Michael Y.*

Gynecologic Ultrasound

Moderators: Sherelle Laifer-Narin, MD, and Patricia Mayberry, RDMS, RVT

Astor Ballroom

3:30 PM–3:42 PM
297329 Value of 3-Dimensional Sonography in Women With Intrauterine Devices
Lev-Toaff, Anna S.; Pretorius, Dolores; Baltarowich, Oksana*

3:42 PM–3:54 PM
283844 Accuracy of Sonohysterography at Identifying Intrauterine Lesions: A Retrospective Review
Busse, Raydeen M.; Brown, Keri M.; Zalud, Ivica*

3:54 PM–4:06 PM
295809 Three-Dimensional "Thick-Slice" Rendering of Suspected Uterine Malformation Obviates the Use of Saline Infusion Sonohysterography to Establish the Diagnosis
Monteagudo, Ana; Timor, Ilan; Strok, Irina*

4:06 PM–4:18 PM
293845 Sonohysterography Biopsy Device: More Efficient, Less Discomfort, and Accurate Pathology
Cox, Ted R.

4:18 PM–4:30 PM
296454 Sonohysterography and Age-Based Pathologic Correlation
Shwayder, James M.; Brown, William W.; Granadillo, Ann*

4:30 PM–4:42 PM
295803 Three-Dimensional Inversion Rendering Helps in the Sonographic Definition of Fluid-Filled Tubes
Timor, Ilan; Monteagudo, Ana; Tsymbal, Tanya*

4:42 PM–4:54 PM
295567 Experience With Sparkling Spring Water as a Contrast Agent in 264 Patients of a Tubal Patency Test
Hasan, Musarrat; Musarrat, Seema*

Obstetrics: Anomalies

Moderators: Teresita Angtuaco, MD, and Christine Bird, RDMS, RVT

Broadway Ballroom North

3:30 PM–3:42 PM
289275 Evaluation of Early Markers of Prenatal Alcohol Exposure
Kfir, Menashe; Hull, Andrew D.; Yevtushok, Lyubov; Onishchenko, Svetlana; Wertelecki, Wladimir; Bakhireva, Ludmila; Chambers, Christina D.; Jones, Kenneth L.*

3:42 PM–3:54 PM
297199 Fetal Lung Measurements in Isolated Congenital Diaphragmatic Hernia
Ruano, Rodrigo; Aubry, Marie C.; Dumez, Yves; Benachi, Alexandra; Zugaib, Marcelo*

3:54 PM–4:06 PM
297305 Prenatal Diagnosis and Postnatal Outcomes of Fetal Thoracic Lesions Diagnosed by Prenatal Ultrasound at the University of California, Irvine
Friedrich, Esther; Hameed, Afshan; Porto, Manuel*

4:06 PM–4:18 PM
297223 Management of Mild Fetal Pyelectasis: A Comparative Analysis
Yamamura, Yasuko; Swartout, Jessica; Anderson, Elisabeth; Knapp, Carla; Ramin, Kirk*

4:18 PM–4:30 PM
297250 Antenatal Course of Mild Fetal Pyelectasis Based on Fetal Gender
Yamamura, Yasuko; Swartout, Jessica; Davis, Sarah; Lund, Vanessa; Ramin, Kirk*

4:30 PM–4:42 PM
295441 Sacrococcygeal Teratoma: Prenatal Surveillance, Growth, and Pregnancy Outcome
Wilson, Robert D.; Johnson, Mark P.; Bebbington, Michael W.; Mann, Stephanie E.; Hedrick, Holly L.; Flake, Alan W.; Rychik, Jack; Adzick, N. Scott*

4:42 PM–4:52 PM
296104 Prenatal Diagnosis of Retinoblastoma (CR)
Zuidema, Laura J.; Platt, Nancy; Binder, Paula; Zondag, Sara; Aaberg, Thomas*

Tissue Characterization

Moderators: James Miller, MS, PhD, and Ernest Feleppa, PhD

Soho/Herald

3:30 PM–3:42 PM
293819 Recovering the Underlying Material Properties of Bone Using Bayesian Probability Theory From Mixed Mode Signals Exhibiting Anomalous Negative Dispersion
Miller, James G.; Marutyan, Karen R.; Holland, Mark R.; Bretthorst, G. Larry

3:42 PM–3:54 PM
297292 In Vivo Real-time Sonoelastography for High-Intensity Focused Ultrasound Lesion Detection in a Swine Model
Zhang, Man; Castaneda, Benjamin; Christensen, Jared; Saad, Wael; Bylund, Kevin; Rubens, Deborah; Parker, Kevin*

3:54 PM–4:06 PM
297025 Conventional Low-Frequency Ultrasound Detection of Apoptosis
*Azrif, Muhammad; Ranieri, Shawn; Giles, Anoja; Debeljevic, Branislaw; Kolios, Michael C.; Czarnota, Gregory J.**

4:06 PM–4:18 PM
297099 Improvements in Tissue-Type Imaging of Prostate Cancer Based on Combined Ultrasonic and Magnetic Resonance Methods
Feleppa, Ernest; Dasgupta, Shreedevi; Porter, Christopher; Lacrampe, Marc; Ramachandran, Sarayu; Ketterling, Jeffrey*

4:18 PM–4:30 PM
297197 Validating the Theoretical Framework Relating Ultrasonic Backscatter to Scatterer Properties
Dasgupta, Shreedevi; Rondeau, Mark; Feleppa, Ernest; Mamou, Jonathan*

4:30 PM–4:42 PM
293680 High-Frequency Characterization of Cell Death
*Ranieri, Shawn; Vlad, Roxana; Giles, Anoja; Papanicolau, Mike; Kolios, Michael C.; Czarnota, Gregory J.**

4:42 PM–4:54 PM
297242 An Investigation of the High-Frequency Ultrasonic Backscatter From Ensembles of Cells and Cell Analogues
Baddour, Ralph E.; Czarnota, Gregory J.; Kolios, Michael C.*

Vascular Ultrasound

Shubert Complex

3:30 PM–3:42 PM
277643 Imaging Spectrum of Portal Vein Aneurysm
Roy, Nicole; Burdette, Allene; Shaaban, Akram; Hutson, William R.; Schwartz, Jason; Kennedy, Anne*

3:42 PM–3:54 PM
295849 Acoustic Barrier Artifact in Doppler Ultrasound Evaluation of Expanded Polytetrafluoroethylene-Covered Transjugular Intrahepatic Portosystemic Shunt Stents
Takeyama, Peter H.; Dogra, Vikram*

3:54 PM–4:06 PM
294714 Femoral Artery Pseudoaneurysms: Thrombin Injection Versus Compression Repair
Romera Villegas, Antonio; Vila-Coll, Ramon; Cairols-Castellote, Marc; Iborra-Ortega, Elena; Herranz-Pinilla, Carolina; Santos-Espi, Marta*

4:06 PM–4:18 PM
294965 Ultrasonic Tissue Characterization of In Vivo Atherosclerotic Carotid Plaque
Shi, Hairong; Varghese, Tomy; Mitchell, Carol C.; Kliewer, Mark A.; Salamat, Shariar M.; Dempsey, Robert J.*

4:18 PM–4:30 PM
287796 Real-time B-Mode Ultrasonography of Intima-Medial Thickness in Carotid Arteries: A Case-Control Study
Sultana, Nasreen; Alam, Farid; Afroz, Shirin*

4:30 PM–4:42 PM
297304 A Noninvasive Imaging Technique for Characterization of Vascular Mechanical Properties In Vivo and Detection of Disease
Fujikura, Kana; Luo, Jianwen; Gamarnik, Viktor; Fukumoto, Royd; Tilson, David M. III; Konofagou, Elisa E.*

4:42 PM–4:54 PM
277157 Influence of Sex and Somatotype on Stroke Work
Adamu, Abdullahi A.; Babaev, Mikhail V.; Kondrashev, Alexandr V.; Nelasov, Nikolai Y.; Yeroshenko, Olga L.; Chaplygina, Helena V.*

3:30 PM–5:00 PM

Just Images Session: Abdominal and Musculoskeletal Ultrasound

Marquis Ballroom

Participants discuss and view unique abdominal and musculoskeletal ultrasound cases.

Marnix van Holsbeeck, MD, William Medford, RDMS, Nirvikar Dahiya, MD, and Christine Menias, MD

Meet-the-Professor Sessions

Please Note: *Meet-the-Professor sessions this year will not be providing meals; there will be beverages only.*

Friday, March 16, 2007
7:00 AM–8:00 AM

FA1 **Volume Sonography: A New Era in Efficiency and Diagnosis, Including Fetal Anomalies**

Beryl Benacerraf, MD

Ziegfeld

In this session, participants will discuss the principles of 3-dimensional sonography and its applications for fetal scanning. The session will teach participants how to evaluate the different types of displays available, evaluate an ultrasound volume, and perform a very fast and efficient fetal survey using volume scanning rather than standard 2-dimensional images.

FA2 **The 14- to 16-Week Anatomic Survey**

Ana Monteagudo, MD

O'Neill

Following this session, participants should be able to describe the advantages, as well as the limitations, of the early fetal scan.

FA3 **Diagnosis of Fetal Anemia With Doppler Ultrasound**

Giancarlo Mari, MD

Brecht

At the end of this session, participants should be able to describe the causes of fetal anemia, discuss the difference between invasive and noninvasive procedures to diagnose fetal anemia, describe the use of the middle cerebral artery peak systolic velocity to diagnose fetal anemia, and discuss the standard of care for the diagnosis of fetal anemia.

FA4 **Imaging of the Pediatric Liver and Biliary Tree**

Harriet Paltiel, MD

Wilder

Following this session, participants should be able to discuss the imaging evaluation of neonatal jaundice, portal hypertension, and primary liver tumors in children.

FA5 **Scrotal Ultrasound Update**

Thomas Winter, MD

Odets

This didactic lecture will review proper sonographic techniques for scrotal examination, review normal anatomy of the scrotum as demonstrated by ultrasound, and then progress to a description of the common pathologic conditions seen in this area. Specific topics include infection, torsion, evaluation for masses, and evaluation after trauma, varicoceles, vasculitis, and testicular microlithiasis.

Friday, March 16, 2007
11:45 AM–12:45 PM

FP1 **Nonchromosomal Significance of Elevated First-Trimester Nuchal Translucency**

Ray Bahado-Singh, MD

O'Neill

Following this session, participants will be able to describe and counsel patients on the association between elevated nuchal translucency (NT) and congenital heart defects; the risk of other congenital anomalies and poor pregnancy outcomes associated with elevated NT and normal chromosomes; and an approach and management plans for cases with elevated NT and normal chromosomes.

FP2 **Ultrasound Evaluation of Fetal Cardiac Function**

Greggory DeVore, MD

Ziegfeld

Following this session, participants should be able to evaluate the function of the fetal heart using B-mode, M-mode, and pulsed Doppler ultrasound.

SOLD-OUT

FP3 **Ultrasound of the Gallbladder and Bile Ducts: A Logical Approach**

Suhas Parulekar, MD

Wilder

In this session, sonographic appearances of gallbladder abnormalities will be discussed, with an emphasis on differentiating features of gallbladder diseases with similar sonographic appearances or features. Abnormalities of the extrahepatic and intrahepatic bile ducts will be discussed with a similar approach. The use of color Doppler sonography in the evaluation of the biliary tree will also be discussed. Following this session, participants should be able to understand and discuss the biliary tract abnormalities and differentiating features of similar-appearing abnormalities.

FP4 **Three-Dimensional Ultrasound in the Abdomen: Technology, Applications, and Work Flow**

Franklin Tessler, MD, CM

Brecht

Following this session, participants should be able to understand how changing technology affects clinical utility, describe clinical applications of 3-dimensional (3D) ultrasound in the abdomen, and discuss ways of incorporating 3D ultrasound into work flow.

FP5 **Avoiding Pitfalls in Obstetric Ultrasound**

Carolyn Zelop, MD

Odets

Following this session, participants should be able to identify variants of normal anatomy that might appear pathologic, implement techniques to refine a complex sonographic diagnosis, and avoid potential diagnostic errors by implementing a systematic approach to sonographic anomalies.

SOLD-OUT

Saturday, March 17, 2007

6:45 AM–7:45 AM

SATA1 **Analytic Approaches for Volume Sonography**

Wesley Lee, MD

O'Neill

Following this session, participants will be able to discuss how to use several 3- and 4-dimensional volume data analysis tools for fetal evaluation.

SOLD-OUT

SATA2 **Coding Issues in Obstetric Ultrasound**

Joshua Copel, MD

Ziegfeld

Following this session, participants will be able to discuss different options and current changes in *Current Procedural Terminology* (*CPT*) coding for obstetric sonography.

SOLD-OUT

SATA3 **Duplex and Color Doppler Evaluation of the Abdominal Vessels**

John Pellerito, MD

Odets

Following this session, participants will be able to recognize normal and abnormal abdominal Doppler waveforms; discuss the criteria for the diagnosis of arterial stenosis and occlusion; identify the signs associated with abdominal venous thrombosis; and assess techniques to optimize the abdominal Doppler examination.

SATA4 **Surveillance of Chronic Liver Disease: The Role of Sonography**

Stephanie Wilson, MD

Wilder

Following this session, participants should understand the important role of chronic viral hepatitis in development of cirrhosis, appreciate the risk of hepatocellular carcinoma in those with chronic liver disease, and know the role of sonography in the surveillance of this high-risk population.

SATA5 **Breast Cancer Staging With Sonography**

Gary Whitman, MD

Brecht

Following this session, participants should be able to discuss sonographic staging in the breast and the regional lymph nodes in women with breast cancer.

Saturday, March 17, 2007

12:15 PM–1:15 PM

SATP1 **Breaking Bad News: Can We Make It Any Less Painful?**

Bryann Bromley, MD

O'Neill

Following this session, participants will have developed strategies for delivering bad, sad, or difficult news in a concise and empathetic manner.

SATP2 **Ultrasound-Guided Biopsies: What You Need to Know**

Ulrike Hamper, MD, MBA

Brecht

After attending this session, participants will be able to discuss the use of ultrasound for image-guided percutaneous fine-needle aspiration procedures in the abdomen and chest. Indications, contraindications, techniques, and complications will be covered.

SATP3 **Obstetric Imaging With Magnetic Resonance Imaging**

Deborah Levine, MD

Ziegfeld

Following this session, participants should be able to describe the use of obstetric magnetic resonance imaging for maternal diagnosis in the abdomen and describe the utility of fetal magnetic resonance imaging in cases with a complex sonographic diagnosis.

SOLD-OUT

SATP4 **Sonography of Abdominal Wall Hernias**

Cindy Rapp, BS, RDMS

Odets

Following this session, participants will be able to explain how to locate the internal inguinal ring, recognize the contents of abdominal wall hernias, and list the various locations of abdominal wall hernias.

SOLD-OUT

SATP5 **Doppler Artifacts and Pitfalls**

Deborah Rubens, MD

Wilder

The Doppler effect measures a change in the reflected sound frequency generated by motion. While we commonly think of (and use) the Doppler effect to measure flowing blood, any tissue or fluid motion may generate a Doppler signal. Additional technical errors occur due to gain, Doppler filter settings, sample angle correction, Doppler sampling angles, and choice of Doppler frequency. Following this session, participants should be able to identify the Doppler effect along with artifacts and their technical pitfalls.

Sunday, March 18, 2007

7:00 AM–8:00 AM

SUNA1 **Tricks of the Trade**

Alfred Abuhamad, MD

O'Neill

SOLD-OUT

This session focuses on sharing tips in obstetric sonography. Following the lecture, participants should be able to improve performance of ultrasound diagnosis of congenital abnormalities and fetal growth restriction.

SUNA2 Multiple Gestations

Carol Benson, MD

Ziegfeld

After this session, participants should understand the importance of sonography in diagnosing fetal number and determining placentation for each fetus in a multiple gestation; recognize the sonographic appearance of various complications of multiple gestations related to placentation type; recognize complications of multiple gestations related to growth disturbances and how to diagnose these with sonography; and understand the indications for sonography of multiple gestations.

SUNA3 Neonatal Neurosonology

Dorothy Bulas, MD

Brecht

Following this session, participants should be able to perform a comprehensive cranial ultrasound exam, including the use of Doppler imaging and additional views such as the transmastoid view.

SUNA4 Obstetric Measurements: Which Ones Are Important?

Peter Doubilet, MD

Odets

Following this session, participants should be able to identify which measurements should be obtained routinely in obstetric ultrasound and which should be obtained only in select cases.

SUNA5 Translating Clinical Care Into Income: Utilizing the RBRVS System to Understand How What You Do Creates What You Earn

Robert Wolfson, MD, PhD

Wilder

There is a direct correlation between the clinical services we provide and the income we earn. The Resource-Based Relative Value Scale (RBRVS) system is the basis of that relationship. Participants of this session will learn how that translation occurs and how to apply that knowledge in their practice to maximize income.

Sunday, March 18, 2007

12:30 PM–1:30 PM

SUNP1 Ultrasound Imaging of Angiogenesis

Flemming Forsberg, PhD

Wilder

Following this session, participants should be able to describe the angiogenic process, describe ultrasound contrast agents and the associated nonlinear imaging modes, and discuss the ability of contrast ultrasound imaging to monitor angiogenesis and angiogenic therapies.

SUNP2 Nuts and Bolts of 3- and 4-Dimensional Ultrasound

Luís Gonçalves, MD

Brecht

SOLD OUT

This is a practical, how-to session where participants will be presented first with the basic concepts of 3-dimensional (3D) ultrasonography, ranging from multiplanar imaging to rendering techniques. The session will cover 3D ultrasound, 4D ultrasound, spatiotemporal image correlation for the evaluation of the fetal heart, as well as real-time 3D imaging using 2D matrix array transducers. The focus of the session will be on the practical approach to exploring volume data sets using off-line tools.

SUNP3 Interventional Musculoskeletal Ultrasound Update

Levon Nazarian, MD

Odets

Following this session, participants should be able to discuss the use of ultrasound to guide a wide range of musculoskeletal interventional procedures.

Scientific Poster Sessions

Posters are available for viewing Friday, March 16, 12:45 PM–7:30 PM, Saturday, March 17, 7:00 AM–5:30 PM, and Sunday, March 18, 7:00 AM–3:30 PM. Authors will be available to discuss their research presented on the following posters on Saturday, March 17, 12:15 PM–1:15 PM, and Sunday, March 18, 12:30 PM–1:30 PM. Posters are listed and displayed in numerical order (not by specialty).
* indicates presenting author (1 CME credit per day during discussion)

Posters are located on the Fourth and Seventh Floor Foyers.

Saturday, March 17, 2007

The following posters will be located on the Fourth Floor Foyer.

272430 Compressibility Assessment of Affected Bowel in Sonographic Diagnosis of Gastrointestinal Lymphoma
Fujii, Yasutomo; Taniguchi, Nobuyuki; Koibuchi, Harumi; Yasuda, Yoshikazu; Nagai, Hideo*

278450 Some Ultrasonographic Peculiarities in the Anatomy of Abdominal Organs
Chaplygina, Helen V.; Nelassov, Nikolai Y.; Kondrashev, Alexandr V.; Morosova, Antonina V.; Volkov, Gennady P.; Adamu, Abdullahi A.*

282490 Emergent Evaluation of Right Upper Quadrant Pain
Chandrasekhar, Chitra A.

282794 Imaging of Uterine Abnormalities With Color Flow Doppler.
Bhatt, Shweta; Dogra, Vikram*

284200 Doppler Sonography of the Testis in Men With Idiopathic Hypogonadotropic Hypogonadism
Degirmenci, Bumin; Haktanir, Alpay; Albayrak, Ramazan; Acar, Murat; Yucel, Aylin*

289073 Randomized Controlled Trial of Ultrasound-Guided Knee Arthrocentesis in the Emergency Department
Pariyadath, Manoj; Tayal, Vivek S.; Norton, James*

289077 Randomized Controlled Trial of Ultrasound-Guided Peripheral Nonknee Arthrocentesis in the Emergency Department
Tayal, Vivek S.; Pariyadath, Manoj; Norton, James*

289078 The Accuracy of Trauma Ultrasound in Penetrating Trauma to the Anterior Abdomen
Rochester, Angel L.; Tayal, Vivek S.; Marx, John A.; Thomason, Michael H.*

289084 Prospective Comparative Trial of the Sonographic Endovaginal Bimanual Examination Versus Traditional Digital Bimanual in Nonpregnant Adult Female Patients With Lower Abdominal Pain in the Emergency Department With Stratification by and Randomization Within Body Mass Index Classification
Tayal, Vivek S.; Crean, Christopher A.; Norton, James; Schulz, Christian J.; Bacalis, Katrina N.; Bliss, Susan A.*

289087 Outcomes for Ectopic Pregnancy Patients With Indeterminate Pelvic Ultrasound Using a Modified Carolinas Medical Center Ultrasound Protocol With Selective Gynecologic Consultation
Tayal, Vivek S.; Forgash, Andrew J.; Norton, James

291148 Effect of Maternal Hydration on Maternal Renal Pelvic-Calyceal Diameter in Pregnancy
Nyholm, Jessica L.; Brost, Brian C.; Watson, William J.*

293813 Do Introductory Courses in Emergency Ultrasound Affect the Utilization of Ultrasound by Emergency Physicians?
Louis, Hunter G.; Cook, Thomas P.; Hunt, Patrick S.; TaTinisha, Favor*

293853 Congenital Cystic Adenomatoid Malformation Volume Ratio: Risk of Fetal Hydrops
Wu, Danny W.; Miller, Russell; Simpson, Lynne*

294351 Circumvallate Placenta: Implications for Perinatal Outcome
Greenberg, Mara B.; Caughey, Aaron B.; Goldstein, Ruth B.; Norton, Mary E.*

294470 Sonography of Genitourinary Tuberculosis With Emphasis on High-Resolution and 3-Dimensional Imaging
Dahiya, Nirvikar; Teefey, Sharlene; Middleton, William D.; Siegel, Cary L.; Dahiya, Neha; Vijayaraghavan, Boopathy*

294976 The Effect of Probe Axis and an Echo-Enhanced Needle on Ultrasound-Guided Vascular Access
Phelan, Michael P.; Colburn, Nora; Buchanan, Kelly; Bower, John; Sturges, Lisa; Emerman, Chuck*

295252 Determination of the Precision of a Clinical Carotid Intima-Media Thickness Measurement Protocol for Patient Screening and Follow-up
Ocel, Joseph J.; Hangiandreou, Nicholas J.; James, E. Meredith; McBane, Robert D.; Beck, Rebecca J.; Hatz, Heather J.; Lindsey, John D.; Paepke-Tollefsrud, Diana E.*

295543 The Spectrum of Appearances of Endometriomas
Asch, Elizabeth; Levine, Deborah*

295745 Sonographic Evaluation of the Postthyroidectomy Neck
Ackerman, Susan; Harper, Angelle; Anis, Munazza; Irshad, Abid*

295778 An Overview of Pancreas Transplant: Role of Sonography With Other Imaging Correlation
Irshad, Abid; Ackerman, Susan; Anis, Munazza; Harper, Angelle; Chavin, Keneth*

295864 Difference of Migration and Outcome of Placenta Previa at the Second Trimester According to the Placental Location
Lee, Jung Ha; Cho, Jeong Yeon; Moon, Min Hoan*

295872 Three-Vessel View of the Fetal Heart: In Utero Development of the Great Vessels
Lee, Jung Ha; Park, Eun Jung; Moon, Min Hoan; Min, Jee Yeon*

295973 Accuracy of Estimated Fetal Weight by Ultrasound Based on Gestational Age
Jari, Shama; Bird, Chris; Crino, Jude; Holcroft, Cynthia*

296169 Ultrasonographic Assessment of Ovarian Tumors in Laying Hens
Barua, Animesh; Braderic, Micahel J.; Edassary, Seby L.; Abramowicz, Jacques S.; Bitterman, Pincas; Dirk, Angela; Bahr, Janice M.; Luborsky, Judith L.*

296319 Ultrasonographic Diagnosis of Duodenal Stenosis: Correlation Between Ultrasonography and Pathologic Forms
Sugai, Michihiro; Ohashi, Motonari; Munakata, Hirohumi*

296484 Early Diagnosis in Ovarian Cancer: Role of Transvaginal Color Doppler Ultrasound—A 7-Year Experience
Pascual, Maria A.; Hereter, Lourdes; Graupera, Betlem; Tresserra, Francisco; Rodriguez, Ignacio; Dexeus, Santiago*

296499 Three-Dimensional Power Doppler Ultrasonographic Features in Endometrial Carinoma
Graupera, Betlem; Pascual, M. Angela; Tresserra, Francisco; Rodriguez, Ignacio; Hereter, Lourdes; Fernandez-Cid, Maria*

296597 The Effect of Inguinal Hernia on the Ipsilateral Testicular Volume and Blood Flow
Turgut, Ahmet T.; Olcucuoglu, Esin; Turan, Ceyda; Kilicoglu, Bulent; Kosar, Pinar; Geyik, Pinar O.; Kosar, Ugur*

296662 Evaluation of the Sensitivity and Specificity of Focused Assessment With Sonography in Trauma in Blunt Trauma in the Pediatric Population
Cusick, Seric; Gharahbaghian, Laleh; Boysen, Megan; Solley, Matthew; Anderson, Craig; Barrajas, Graciela; Fox, J. Christian*

296738 Color Doppler Diagnosis of Acute Appendicitis
Vo, Tai Anh; Le, Tai Van; Phan, Hai Thanh*

296796 Positive Predictive Values of Sonographic Features of Solid Thyroid Nodules
Son, Eun Ju; Kim, Eun-Kyung; Oh, Ki Keun*

296809 The Safety and Efficiency of Ultrasound-Guided Large-Needle Core Biopsy of Axilla Lymph Nodes
Son, Eun Ju; Kim, Eun-Kyung; Oh, Ki Keun*

296878 Association Between Power Doppler Ultrasound Vascular Density and Prostate-Specific Antigen Response of Early Prostate Cancer to Radiation Therapy
Sehgal, Chandra M.; Arger, Peter H.; Krisch, Robert E.*

296931 Initial Experience With an Automated System for Measuring Ultrasound Image Quality
Tradup, Donald J.; Johnson, Luke A.; Stekel, Scott F.; Hangiandreou, Nicholas J.*

296965 Evaluation of High-Frequency Tissue-Mimicking Phantoms
Lloyd, Harriet O.; Silverman, Ronald H.; Coleman, D. Jackson*

296973 Congenital Heart Disease in Patients With Congenital Diaphragmatic Hernias
Wu, Danny W.; Phillips-Arnold, Kiwita; Simpson, Lynne*

297045 "Lacunar" Pattern by Color Doppler Ultrasonography in Nodular Lesions Associated With Graves Disease: Correlation With Fine-Needle Aspiration Cytology—A Preliminary Study
Morikawa, Pablo; Lee, Soon Ja; Vera, Jazmin; Bogado, Luis; Benitez, Aldo; Logwin, Sergio; Bueno, Elbio*

297184 High-Resolution Sonography of Inflammatory Bowel Disease
Laroia, Archana T.; Abu-Yousef, Monzer*

297185 Doppler Sonography of Testicular and Extratesticular Pathology
Abu-Yousef, Monzer; Laroia, Archana T.*

297295 Diagnosis of Liver Tumors Using Contrast Ultrasound Utilizing Phagocytosis of Microbubbles by Kupffer Cells
Iijima, Hiroko; Moriyasu, Fuminori; Miyahara, Takeo; Sasaki, Shunichi; Higashiura, Akiko; Shibata, Yoko; Yoshida, Masahiro; Hashimoto, Mariko; Yamada*

The following posters will be located on the Seventh Floor Foyer.

298327 Noninvasive, High-Resolution Ultrasound to Evaluate Cardiac Function in Teratogen-Exposed Rat Fetuses
Swanson, Terri A.; Thomson, Jason J.; Brown, Nigel A.; Ozolins, Terrence R.S.; Weston, Andrea D.*

301313 The Use of High-Frequency Ultrasound and the Definity Microbubble Contrast Agent to Image Atherosclerotic Plaques in Mice
Swanson, Terri A.; Bourassa, Patricia A.; Raunig, David L.; Tuthill, Theresa A.; Aiello, Robert J.*

Sunday, March 18, 2007

The following posters will be located on the Seventh Floor Foyer.

273555 How Small Can You Go? High-Frequency, Ultra High-Resolution Anatomic Ultrasound Imaging of Zebrafish
Schultz, Susan M.; Kao, Gary; Arger, Peter H.; Sehgal, Chandra M.*

276452 Effect of Aerodiol Administration on Cerebral Blood Flow Volume in Postmenopausal Women
Acar, Murat; Cevrioglu, Arif S.; Haktanir, Alpay; Demirel, Reha; Albayrak, Ramazan; Degirmenci, Bumin; Yucel, Aylin; Akyol, Ahmet M.*

284201 Sonographically Guided Fine-Needle Biopsy of Thyroid Nodules: The Effects of Nodule Characteristics, Sampling Technique, and Needle Size on the Adequacy of Cytologic Material
Degirmenci, Bumin; Haktanir, Alpay; Albayrak, Ramazan; Acar, Murat; Yucel, Aylin; Caliskan, Gulderen*

285161 Trisomy 13: Sonographic Detection in the First and Second Trimesters of Pregnancy
Watson, William J.; Miller, Richard C.; Wax, Joseph R.; Hansen, Wendy F.; Yamamura, Yasko*

293605 Women at Risk: The Role of Ultrasound in the Early Identification of Cardiovascular Disease
Postley, John

295833 Ultrasound of Wrist Ganglion Cysts: Variable and Noncystic Appearances
Wang, George; Feng, Felix Y.; Jacobson, Jon A.; Girish, Gandikota; Caoili, Elaine; Ebrahim, Farhad*

296031 Utility and Pitfalls of Saline Infusion Sonourethrography
Robinson, Ashley J.; Goldstein, Ruth*

296388 Outcomes for Monochorionic Diamnionic Twins Discordant for First-Trimester Cystic Hygroma or Large Nuchal Translucency
Reiss, Rosemary E.; Gerrol, P.; Athanassiou, A.; Wilkins-Haug, L.; Benson, C.*

296538 Effect of Compounding on Ultrasound Images of Solid Breast Masses
Schultz, Susan M.; Kangas, Sarah A.; Conant, Emily F.; Weinstein, Susan P.; Arger, Peter H.; Schnall, Mitchell D.; Sehgal, Chandra M.*

296601 Emergency Ultrasound Findings Correlate With Pregnancy Outcome in Emergency Department Patients With First-Trimester Vaginal Bleeding
Cusick, Seric; Sampson, Sehra; Solley, Matthew; Barrajas, Graciela; Fox, J. Christian*

296848 Tendon and Ligament Injuries in Hand and Wrist Trauma: High-Frequency Ultrasound With a Dynamic Study
Lee, Sang Min; Ha, Doo Hoe; Kim, Kyung Ah*

NOTES

NOTES

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Questions about your course schedule?

Need help locating a room for a session?

Visit the AIUM registration area in the fifth floor foyer—just outside the Exhibit Hall—for answers to any of your convention questions. See page 3 for Registration Hours.

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In Appreciation

It is with the greatest appreciation that the AIUM offers thanks to the following companies for their financial support of the AIUM over the past year. These companies have demonstrated their commitment to the AIUM and the ultrasound community by placing advertisements in the *Journal of Ultrasound in Medicine*, participating in the Annual Convention, donating to the AIUM's Endowment for Education and Research, or providing support dollars for items and activities ranging from envelopes to tote bags to educational grants. The AIUM is grateful to the companies listed below for their support from January 2006 through December 2006.

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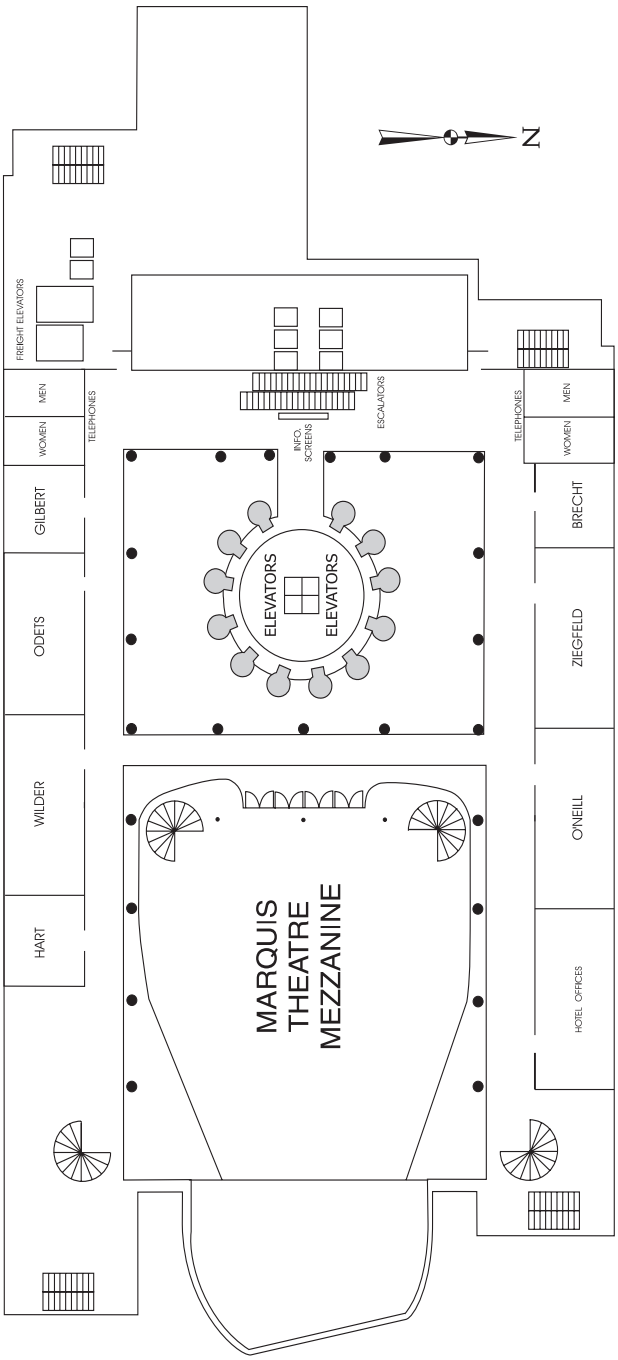
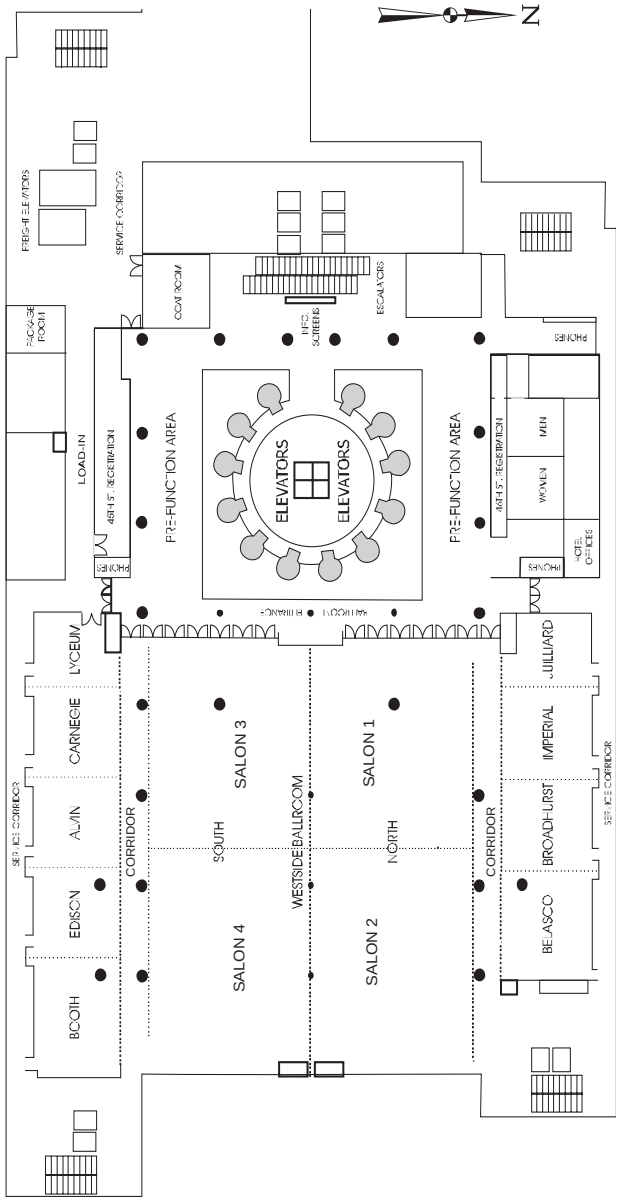
Marriott Floor Plans

Fourth Floor



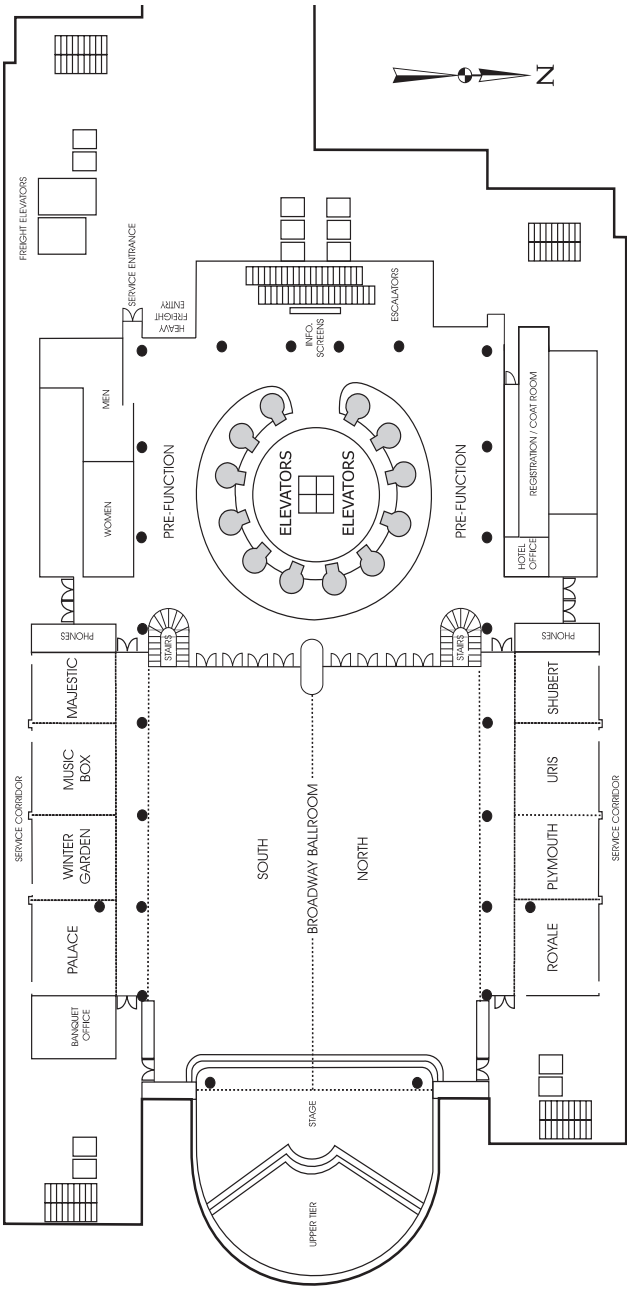
Marriott Floor Plans

Fifth Floor



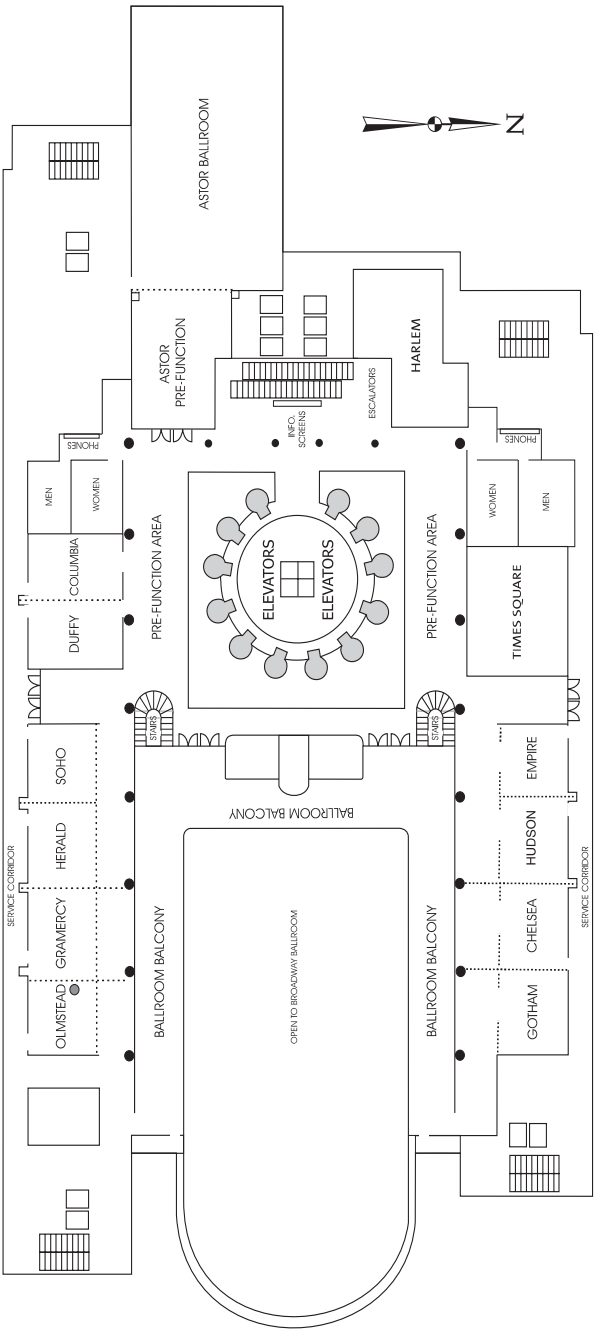
Marriott Floor Plans

Sixth Floor



Marriott Floor Plans

Seventh Floor



Marriott Floor Plans

Ninth Floor

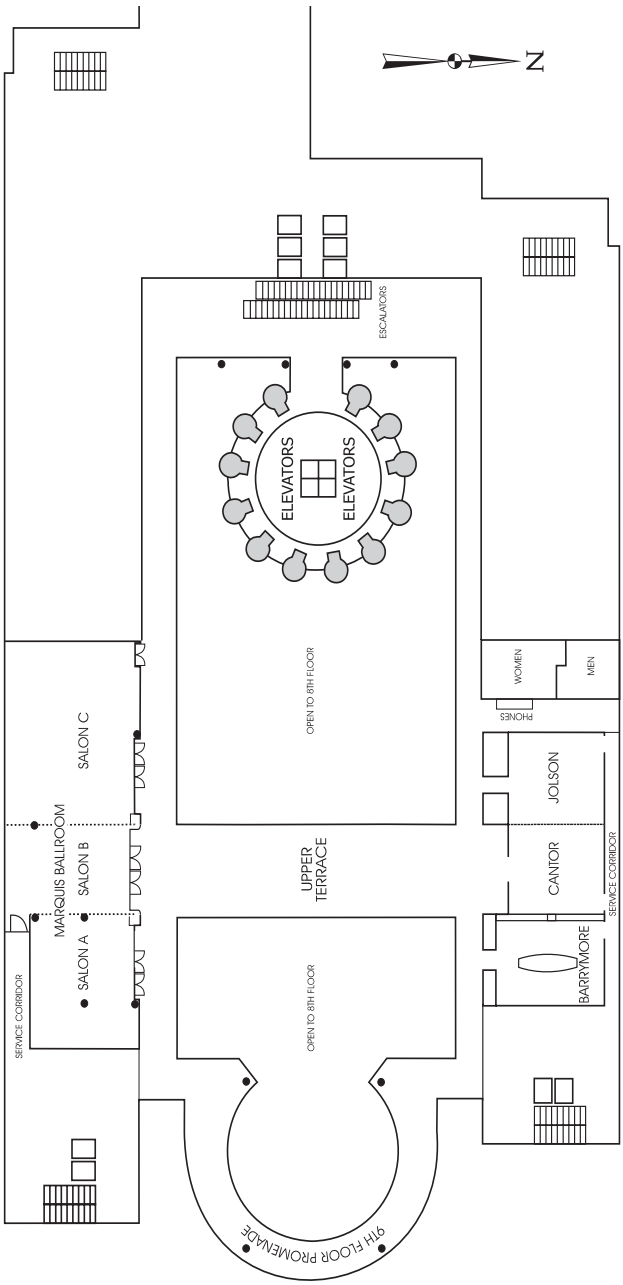


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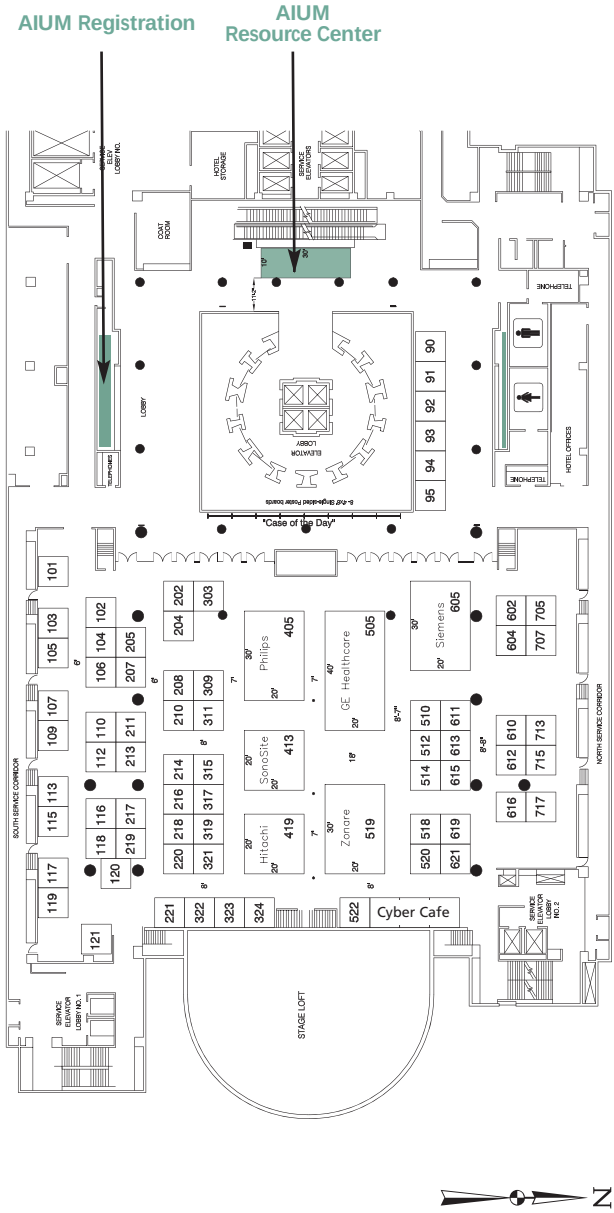
Exhibit Hall Floor Plan

Fifth Floor • Marriott Marquis Hotel



2007 Exhibitors

93	*ADVANCE* Newsmagazines
Fifth Floor Foyer	AIUM Resource Booth
102	Aloka Ultrasound
117	American Registry for Diagnostic Medical Sonography (ARDMS)
91	*Applied Radiology*
322	AS Software, Inc
202	ATS Laboratories, Inc
107	Axess Ultrasound
205	Biosound Esaote, Inc
220	Cardiostream
105	Center for Fetal Diagnosis and Treatment at the Children's Hospital of Philadelphia
621	Center for Medical Genetics
602	CIRS, Inc
303	CIVCO Medical Solutions
705	ContextVision AB
512	Cook Women's Health
120	Cooper Surgical, Inc
523	Cyber Café (Supported by Sonultra Corporation)
95	*Diagnostic Imaging* Magazine
315	Digisonics, Inc
604	Fetal Care Center of Cincinnati
619	Fetal Medicine Foundation USA
317	Gammex rmi
505	GE Healthcare
611	GeneCare Medical Genetics Center
115 & 116	Global Medical Imaging
419	Hitachi Medical Systems America, Inc
92	International Society of Ultrasound in Obstetrics and Gynecology (ISUOG)
121	Intersocietal Commission for the Accreditation of Vascular Laboratories (ICAVL)/Intersocietal Commission for the Accreditation of Echocardiography Laboratories (ICAEL)
94	Journal Booth
214	Lenetix Medical Screening Laboratory, Inc
219	Lippincott Williams & Wilkins
103	Longport, Inc
613	Mary Washington Hospital/MediCorp Health System
520	Medical Positioning, Inc
217	Medipattern Corporation
606	Medisales, LLC
208	Medison America, Inc
709	NTD Laboratories, a PerkinElmer Company
90	Nuchal Translucency Quality Review Program
510	Parker Laboratories, Inc
616	PCI Medical, Inc
405	Philips Medical Systems
94	*Radiology Today*
94	*RT Image*
101	San Diego Marriott Hotel & Marina
221	Saunders/Mosby (Elsevier)
605	Siemens Medical Solutions, USA, Inc
522	SonoDepot
413	SonoSite, Inc
523	Sonultra Corporation
204	Sorna Corporation
319	Sound Ergonomics, LLC
518	Sound Technology, Inc
707	St John's Clinic-Physician Recruitment
610	Toshiba America Medical Systems, Inc
211	Ultrasonix Medical Corporation
218	VisualSonics, Inc
519	Zonare Medical Systems, Inc

Exhibitor Profiles

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Aloka Ultrasound

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Fax: 203-269-6075
E-mail: mail@aloka.com
Website: http://www.aloka.com

As a recognized leader in ultrasound innovation, Aloka is known for unparalleled image quality, superior system reliability, and the intuitive use of cutting-edge technology. From the super premium system, Alpha 10, to the elegantly designed office-based system, SSD-3500, to the affordable, highly portable black-and-white system, SSD-1000, Aloka has the right solution for every practice size and diagnostic requirement.

American Registry for Diagnostic Medical Sonography (ARDMS)

51 Monroe St
Plaza East One
Rockville, MD 20850-2400 USA
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Fax: 301-738-0313
E-mail: kreutz@ardms.org
Website: http://www.ardms.org

The American Registry for Diagnostic Medical Sonography (ARDMS), incorporated in 1975, is an independent, nonprofit organization that administers examinations and awards credentials in the areas of diagnostic medical sonography (RDMS), diagnostic cardiac sonography (RDCS), vascular interpretation (RPVI), and vascular technology (RVT). The ARDMS has more than 52,000 certified individuals throughout the world and is considered the global standard in medical ultrasound credentialing.

Applied Radiology

180 Glenside Ave
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Phone: 908-301-1995

Applied Radiology is a board-reviewed medical journal that focuses on imaging's clinical and management issues and meeting the needs of today's practicing radiologists, nuclear medicine physicians, technologists, and radiology administrators. Log on to www.appliedradiology.com, where articles, cases, and editorials have been archived back to 1997. *Applied Radiology* would also like to introduce WebMedEd.com. WebMedEd.com offers continuing medical education to health care professionals. Accreditations include American Medical Association category 1, American Society of Radiologic Technologists category A continuing education (CE) credits, and American Association of Critical Care Nurses CE contact hours. WebMedEd is currently offering educational modules in positron emission tomography (PET) and PET/computed tomography. To learn more, visit the *Applied Radiology* booth, or log on to www.webmeded.com.

AS Software, Inc

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Phone: 201-541-1900
E-mail: tsaunders@as-software.com
Website: http://www.as-software.com

AS Software, Inc, specializes in ultrasound reporting and DICOM image management systems, which offer both physicians and hospitals state-of-the-art data management solutions. AS Software offers seamless enterprise integration for the total obstetrics and gynecology (OB-GYN) solution: reports, images, and graphs in one easy-to-read, clear, comprehensive, and concise report. AS Software has been providing their OB-GYN solution for more than 15 years and has earned a reputation for excellence in the ultrasound reporting industry.

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Phone: 203-579-2700
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E-mail: atslaboratories@yahoo.com
Website: http://www.atslaboratories.com
ATS Laboratories is a manufacturer of quality assurance phantoms used to evaluate the performance of ultrasound imaging systems. ATS phantoms are used for quality assurance, field service, research and development, sales, marketing, and education. ATS specializes in the design and manufacturing of custom design phantoms to meet the unique requirements of its customers. New products include the 3D full baby phantom, elastography phantom, thermal phantom, and vascular access training phantoms.

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E-mail: claudia.haaning@axessultrasound.com
Website: http://www.axessultrasound.com

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E-mail: info@biosound.com
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Phone: 770-948-2250
E-mail: tshaner@cardiostream.com
Website: http.//www.cardiostream.com
CardioStream offers a diverse multimodality Web-based solution including clinical images, corresponding customized reporting solutions, measurement and remeasurement capabilities, storage and historical report comparison, and a paperless clinical review process.

Center for Fetal Diagnosis and Treatment at the Children's Hospital of Philadelphia
34th Street and Civic Center Boulevard
Philadelphia, PA 19104-4399 USA
Phone: 800-IN UTERO
E-mail: ness@email.chop.edu
Website: www.fetalsurgery.chop.edu

Center for Medical Genetics
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E-mail: sean@77002.com
Website: http://www.geneticstesting.com
The Center for Medical Genetics is a private academic institute dedicated to providing the most comprehensive genetic testing services available for patients and physicians. The Center for Medical Genetics is committed to serving the needs of patients by offering convenient, conclusive results in a timely manner. Established in 1997, the Center for Medical Genetics provides a broad range of laboratory services in the rapidly growing field of genetics. These laboratory services include cytogenetics, molecular genetics, biochemical genetics, as well as genetic counseling services.

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Phone: 757-855-2765
E-mail: drury@cirsinc.com
Website: http://www.cirsinc.com
CIRS manufactures phantoms and related devices for use in quality control, calibration, and training applications.

CIVCO Medical Solutions
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Kalona, IA 52247 USA
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Website: http://www.civco.com
CIVCO is recognized as an industry leader in the design, manufacture, and marketing of diagnostic and therapeutic imaging equipment and accessories. CIVCO works in collaboration with original equipment manufacturers to develop innovative products such as image-guided biopsy systems, positioning and stabilizing equipment, and consumable infection control covers. CIVCO also offers a complete line of imaging supplies, including cardiology accessories, gels, disinfectants, printers, and print media.

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Fax: 46-8-750-5494
E-mail: info@contextvision.se
Website: http://www.contextvision.com
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Fax: 812-829-4020
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E-mail: email@coopersurgical.com
Website: www.coopersurgical.com
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Diagnostic Imaging Magazine
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Website: http://www.diagnosticimaging.com
Diagnostic Imaging and diagnosticimaging.com are the leading print and online resources for objective, timely information on clinical, economic, technology, and practice trends that affect radiology professionals. For more than 26 years, *Diagnostic Imaging*'s experienced editors have provided comprehensive coverage and analysis of the full spectrum of medical imaging's role in diagnosis, treatment, and prevention.

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Phone: 800-940-3240, 713-529-7979
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Fetal Care Center of Cincinnati
3333 Burnet Ave
Cincinnati, OH 45229 USA
Phone: 888-338-2559, 513-636-9608
Fax: 513-636-5959
Website: http://www.fetalcarecenter.org
The Fetal Care Center of Cincinnati is the only comprehensive fetal evaluation, diagnostic, and surgical intervention center in the Midwest. The Fetal Care Center's mission is to assist families in their decision-making process by offering cutting-edge technologies, exceptional clinical services, and multidisciplinary nondirectional consultation.

Fetal Medicine Foundation USA
3940 Laurel Canyon Blvd, 838
Studio City, CA 91604 USA
Phone: 818-395-0611, 937-416-4248
E-mail: naomihg@fetalmedicine.com, downingc@fetalmedicine.com
Website: http://www.fetalmedicine.com/usa
The Fetal Medicine Foundation USA is a nonprofit organization that promotes screening for Down Syndrome at 11–13+6 weeks by combining biochemistry with nuchal translucency measurements and nasal bone and fetal cardiac assessments. The Fetal Medicine Foundation offers a complete program of education, practical training, examination, and ongoing quality assurance and provide software that allows ultrasound providers to accurately calculate individualized Down Syndrome risks for their patients in the first trimester and have a free educational newsletter issued quarterly.

Gammex rmi
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Middleton, WI 53562 USA
Phone: 608-828-7000, 800-426-6391
Fax: 608-828-7500
E-mail: sales@gammex.com
Website: http://www.gammex.com
Gammex manufactures products for medical imaging, quality control testing, and radiation therapy alignment. The company offers a wide range of red and green wavelength laser alignment using their robotic CT Sim system. Quality control test tools include testing instruments, tools, and phantoms used in mammography and ultrasound applications. Gammex has long been considered the leading company in the manufacture of quality control phantoms. The 156 and 464 CT Accreditation phantoms are used by the American College of Radiology and other international quality control accreditation agencies for their quality control programs.

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Website: http://www.gehealthcare.com
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GeneCare Medical Genetics Center
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Fax: 919-967-9519
E-mail: info@genecare.com
Website: http://www.genecare.com
GeneCare is an international clinical and research center providing comprehensive genetic services, including chromosomal, DNA, fluorescence in situ hybridization (FISH), biochemical analyses, first-trimester screening with nuchal translucency/nasal bone/free β/pregnancy-associated plasma protein A (PAPP-A), α-fetoprotein (AFP)/free β second-trimester screening, genetic counseling, and consults from American Board of Medical Genetics (ABMG)-certified geneticists. GeneCare provides official Fetal Medicine Foundation (FMF) nuchal translucency, nasal bone, and tricuspid regurgitation training courses.

Global Medical Imaging
625 Griffith Rd, Suite 100
Charlotte, NC 28217
Phone: 800-958-9986, 704-940-7755
Fax: 800-958-9987
E-mail: info@gmi3.com
Website: http://www.gmi3.com
Global Medical Imaging specializes in new and reconditioned ultrasound systems and also carries an extensive inventory of parts and probes from all major manufacturers. All equipment is certified and quality tested, 100% up to original equipment manufacturer specifications, and backed by a minimum 30-day warranty.

Hitachi Medical Systems America, Inc

1959 Summit Commerce Park
Twinsburg, OH 44087 USA
Phone: 330-425-1313
E-mail: johnstonm@hitachimed.com
Website: http://www.hitachimed.com

The first Hitachi ultrasound products were launched in 1979 when the diagnostic potential of ultrasound was recognized. Since then, Hitachi has consistently created clinical solutions based on innovative technology and user-friendly design. Today, Hitachi offers 6 ultrasound platforms, including the HI VISION 8500 with SonoElastography for E-mode imaging. These systems can be combined with more than 50 Hitachi-engineered probes to address virtually every clinical application.

International Society of Ultrasound in Obstetrics and Gynecology (ISUOG)

Unit 4, Blythe Mews
Blythe Road
London W14 0HW, United Kingdom
Phone: 44-20-7471-9955
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E-mail: info@isuog.org
Website: http://www.isuog.org

The International Society of Ultrasound in Obstetrics and Gynecology (ISUOG) exists to promote research and education in ultrasound in obstetrics and gynecology. The society hosts an Annual World Congress (Florence, Italy, in 2007), boasting an exceptional scientific program, and offers reduced delegate fees for all its members. ISUOG's official monthly journal, *Ultrasound in Obstetrics and Gynecology*, is the most cited journal in its field, and an annual subscription is also included in membership of the society.

Intersocietal Commission for the Accreditation of Vascular Laboratories (ICAVL)/Intersocietal Commission for the Accreditation of Echocardiography Laboratories (ICAEL)

8830 Stanford Blvd, Suite 306
Columbia, MD 21045 USA
Phone: 800-838-2110
Fax: 410-872-0030
Website: http://www.intersocietal.org

The ICAVL provides a voluntary peer review accreditation process for facilities performing noninvasive vascular testing. The ICAEL provides a similar process for echocardiography facilities. The standards for each accreditation program, as well as the application and related materials, will be on display. Stop by to learn more about the Accreditation OnDemand: the ICAVL's and ICAEL's new Webcast series.

Lenetix Medical Screening Laboratory, Inc

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Fax: 516-248-4436
E-mail: testing@lenetix.com
Website: http://www.lenetix.com

Lenetix has been providing first- and second-trimester risk assessment for Down syndrome for more than 6 years nationwide and internationally. Its commitment is to provide all pregnant women with the risk assessment protocols that best meet their needs. Lenetix offers first-trimester (combined test), second-trimester (α-fetoprotein quad test), and a full array of integrated risk assessment options: the integrated test and the modified sequential test. State-of-the-art diagnostic testing, personalized service, and rapid turnaround time for cystic fibrosis and Ashkenazi carrier screening, along with professional staff, commitment to research, and education, make Lenetix the right choice.

Longport, Inc

2 Braxton Way, Suite 111
Glen Mills, PA 19342 USA
Phone: 610-675-0090
Fax: 610-675-0630
E-mail: phillipsc@longportinc.com
Website: http://www.longportinc.com

Longport, Inc, is a medical technology company specializing in high-frequency ultrasound. Longport's ultrasound system, the EPISCAN, with center frequencies between 20 and 50+ MHz, is a specialized system for imaging the skin and underlying soft tissue. It is intended for use by clinicians or under the direction of physicians for imaging and analysis in research environments as well as clinical settings, including medical/surgical dermatology assessment and diagnosis (aesthetic and therapeutic), plastic/reconstructive surgical planning, wound assessment and management, skin assessment for pressure ulcer detection and prevention, and superficial musculoskeletal diagnosis.

Mary Washington Hospital/MediCorp Health System
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E-mail: cynthia.clark@medicorp.org
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Located on its own medical campus in Fredericksburg, our 412-bed, acute-care medical center is the single largest community resource for health care and offers you the best of both worlds: the most advanced in medicine in one of most idyllic regions in Virginia. When you join us, you'll soon discover that our passion for care is evident; our commitment to leading-edge technology unmistakable; and our dedication to our associates' professional development unequivocal. For a virtual tour of our departments, visit us on our website www.medicorpcareers.org.

Medical Positioning, Inc
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Kansas City, MO 64108 USA
Phone: 816-474-1555, 800-593-3246
Fax: 816-474-7755
E-mail: support@kcmpi.net
Website: http://www.medicalpositioning.com
Echocardiography, stress echo, vascular, general ultrasound, cardiac catheterization, and electrophysiology procedures performed on Medical Positioning, Inc, beds and tables improve images, provide the best patient outcomes, and reduce repetitive stress injuries. The company offers the largest number of models, the greatest benefits, and the best features available.

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Toronto, ON, Canada M9M 3A4
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Fax: 416-744-6899
E-mail: sales@medipattern.com
Website: http://www.medipattern.com
The Medipattern Corporation is an award-winning developer of computer-aided-diagnosis (CAD) for breast ultrasound and breast magnetic resonance imaging. B-CAD transforms beyond the process of simply discriminating cysts from solids. Its advanced features deliver more detailed image content to assist in identifying features or morphology of solid nodules to help you make a more informed biopsy decision. B-CAD uses key indicators, including size, shape, and orientation, to characterize the lesion. B-CAD produces a Breast Imaging Reporting and Data System (BI-RADS)-compliant report complete with standard breast imaging language, images, impressions, and a recommendation. This reduces transcription time and costs and increases consistency across your practice.

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Los Alamitos, CA 90720 USA
Phone: 562-430-8779, 866-318-MEDI
Fax: 562-430-8769
E-Mail: info@medisalesllc.com
Website: http://www.medisalesllc.com
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Medison America, Inc
11075 Knott Ave, Suite C
Cypress, CA 90630 USA
Phone: 800-829-SONO, 714-889-3000
Fax: 714-889-3030
E-mail: info@medisonusa.com
Website: http://www.MedisonUSA.com
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NTD Laboratories, a PerkinElmer Company

James La Valle
Phone: 800-762-4000
Fax: 203-944-4950
E-mail: productinfo@perkinelmer.com
Website: http://www.perkinelmer.com/
NTD laboratories, a PerkinElmer Company, is a specialty laboratory that focuses on prenatal screening for birth defects. We provide our services to universities, medical centers, hospitals, other laboratories, and obstetricians throughout the United States and internationally. We also support an extensive research division, and our findings are published in many peer-reviewed medical journals.

Nuchal Translucency Quality Review Program

409 12th St, SW
Washington, DC 200024
Phone: 202-863-1638
Fax: 202-554-1132
E-mail: ntqrsupport@ntqr.org
Website: http://www.NTQR.org
The Nuchal Translucency Quality Review Program (NTQR) is a US consensus-based NT education and quality review program, which is open to all providers of NT measurements and first-trimester risk assessment. The program was established by recognized leaders in the field of prenatal diagnosis and continues efforts to involve all relevant clinical professional organizations as well as prenatal diagnostic laboratories. In addition to conducting land-based NT credentialing courses, the NTQR program offers a unique Web-based NT course that allows individuals to become credentialed online. The NTQR also strives not only to educate providers on technical aspects of NT measurements but also to disseminate information on various strategies for optimization of first-trimester risk assessment as well as additional risk factors associated with abnormal NT measurements.

Parker Laboratories, Inc

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E-mail: parker@parkerlabs.com
Website: http://www.parkerlabs.com
Parker Laboratories, Inc, is the leading manufacturer of medical ultrasound and electromedical contact media, including gels, solid gels, lotions, and pads. Parker products are recognized globally. Some of the products include Aquasonic 100 ultrasound transmission gel, the world standard for medical ultrasound, Sterile Aquasonic 100 Ultrasound Gel, when sterility is indicated, and the Eclipse probe cover, a latex-free probe cover, pregelled inside with Aquasonic 100.

PCI Medical, Inc

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PO Box 188
Deep River, CT 06417 USA
Phone: 800-862-3394, 860-526-2862
Fax: 866-271-5982
E-mail: info@pcimedical.com
Website: http://www.pcimedical.com
PCI Medical Inc is the leader in vapor management systems for use with high-level disinfectants. It manufactures a wide variety of GUS ductless vapor management systems (soaking stations) that eliminate fume exposure from glutaraldehyde, OPA, and other chemicals. PCI recently introduced the TD-100, the only automated disinfector for transesophageal ultrasound probes.

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E-mail: sales@rt-image.com
Website: http://www.rt-image.com
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- Medical Texts and References
- Publications
  - *ADVANCE* Newsmagazines
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  - *Diagnostic Imaging* Magazine
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  - ATS Laboratories, Inc
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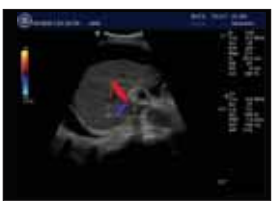

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