

Scientific Poster Sessions

**Posters will be located on the
Fourth Floor in the following rooms:
Brecht • Wilder • Odets • O'Neill**

**All scientific posters are available for viewing
Friday, April 15, 11:30 AM–5:00 PM,
Saturday, April 16, 8:30 AM–5:30 PM,
and Sunday, April 17, 8:30 AM–2:00 PM.**

**Authors of scientific posters will be available
to discuss their research on
Saturday, April 16, 12:30 PM–1:30 PM, and
Sunday, April 17, 12:30 PM–1:30 PM, as indicated.**

2012 AIUM Annual Convention & Preconvention Program

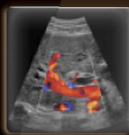
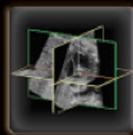
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PHOENIX 2012



March 29—April 1, 2012

JW Marriott Desert Ridge Resort and Spa • Phoenix, AZ

Save The Date!



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Authors will be available to discuss their research presented on the following posters on Saturday, April 16, 12:30 PM–1:30 PM, and Sunday, April 17, 12:30 PM–1:30 PM.

✍ indicates e-posters

* indicates presenter

Saturday, April 16

- 909004** Sonographic Imaging Feature of Metastatic Carcinoid to the Breast
*Jones, Katie; Glazebrook, Katrina**; Dilaveri, Christina; Perry, Kyle; Reynolds, Carol
- 925461** Four-Dimensional Ultrasonography for Therapeutic Radio Frequency Ablation of Hepatocellular Carcinoma, Including Enhanced Ultrasonography
Hotta, Naoki
- 926121** Evaluation of Liver Fibrosis and Liver Function in Chronic Hepatitis C by Contrast-Enhanced Ultrasonography With Sonazoid Using Arrival Time Parametric Imaging
*Wakui, Noritaka**; Takayama, Ryuji; Sumino, Yasukiyo; Kamiyama, Naohisa
- 927358** Palliative Ultrasound for Home Care Hospice Patients
*Mariani, Peter**; Setla, Judith
- 938645** Diagnosis and Evaluation of Therapeutic Effects on Rectal Varices Using Percutaneous Color Doppler Ultrasonography
*Sato, Takahiro**; Akaike, Jun; Ohmura, Takumi; Karino, Yoshiyasu; Toyota, Jouji
- 940456** Diaphragm Kinetics by M-Mode Sonography
Ayoub, Jean
- 944040** ✍ Evaluation of the Presence of a Subchorionic Hematoma on First-Trimester Ultrasound and Midtrimester Cervical Length: A Retrospective Cohort
*Lemcke, Erin**; Dozier, Ann; Glantz, Christopher; Dolan, James; Hackney, David

- 947856** **Ultrasound Imaging of the Serratus Anterior**
*Witt, Dexter**; *Talbott, Nancy*
- 975191** **Ultrasound in Infants With a Positive Newborn Screen for Thyroid Agenesis**
McLean, Glenda; *DeSilva, Amaranthi*; *Nandurkar, Deepali*; *Jong, Ian*; *Brown, Justin*; *Rodda, Christine**; *Bergman, Philip*
- 976071** **Comparing Detection Rates of Congenital Cardiac Anomalies Between Maternal-Fetal Medicine–Trained Physicians and Pediatric Cardiologists**
Lazebnik, Noam; *Brook, Rachel*; *Goh, William**
- 976408** **Development of an Emergency Ultrasound Program**
*Pontius, Elizabeth**; *Bendeck, Kirsten*; *Layman, Kerri*; *Phillips, Carolyn*; *Antonis, Michael*
- 976701** **Persistent Adnexal Masses and Pregnancy Outcome**
*Goh, William**; *Rincon, Monica*; *Tolosa, Jorge*; *Sohaey, Roya*; *Arpin, Leslie*; *Riano, Rene*; *Adams, Shannel*; *Davis, James*; *Bohrer, Justin*; *Zalud, Ivica*
- 976787** **Imaging Findings of Lobular Carcinoma In Situ**
*Choi, BoBae**; *Kim, Sung*; *Park, Chang*; *Cha, Eun*
- 977047** **Symptomatic Plantar Fibroma With Unique Sonographic Characteristics**
*Haun, Daniel**; *Cho, John*; *Kettner, Norman*
- 977666** **Utility of Ultrasound or Computed Tomography as the Second Imaging Test in Women With Symptoms Referrable to the Pelvis**
*Kielar, Ania**; *Carleton, Sandra*; *Mainguy, Brenda*; *Rogers, Kathy*; *Sarin, Sachin*; *El-Maraghi, Robert*
- 979100** *⚡* **Latent to Active Phase of Labor Transition Detection Using Intrapartum Translabial 3-Dimensional Ultrasound Versus Digital Examination: A Double-Blind Study**
*Zimmerman, Ariel**; *Maymon, Ron*; *Herman, Arie*; *Tobvin, Yosef*
- 980562** **Development of a Novel, Low-Cost, Liquid Uniformity Ultrasound Phantom**
*King, Deirdre**; *Tradup, Donal*; *Stekel, Scott*; *Hangiandreou, Nicholas*
- 980629** **Halting Tumor Growth Using a Drug-Loaded Polymer Contrast Agent**
*Cochran, Michael**; *Eisenbrey, John*; *Soulen, Michael*; *Wheatley, Margaret*
- 980920** *⚡* **Association of a Higher Prepregnancy Body Mass Index With a Greater Femur Length at 16 to 20 Weeks**
*Burwick, Richard**; *Rifas-Shiman, Sheryl*; *Oken, Emily*; *Parker, Margaret*; *Gillman, Matthew*
- 982684** **Correlation of Ultrasound Experience to Improvement of Core Ultrasound Scan Interpretation by Emergency Medicine Residents**
*Chinwala, Aliasgar**; *Bahl, Amit*

- 984515** **Rare Carcinoid Tumor of the Appendix Seen on Ultrasound at 34 Weeks' Gestation**
 Frye, Ira*; Bedell, Timothy; McNamara, Jeremiah; Wilks, Benjamin; Figueroa, Heather; Forde, Gareth; Leahy, Constance
- 985743** **Multimodality Imaging of Normal Renal and Hepatic Transplant Graft Vasculature and Graft Vascular Complications**
 Roberts, Jeffrey*; Mazzariol, Fernanda; Oh, Sarah; Frank, Susan; Koenigsberg, Mordecai; Stein, Marjorie
- 986140** **Ultrasound-Enhanced Delivery of Medications to the Eye**
 Lloyd, Harriet*; Silverman, Ronald
- 986249** ✎ **Does Suture Choice Matter for Ultrasound-Indicated Cerclage?**
 Belisle, Elisabeth; Bsat, Fadi; Markenson, Glenn; Plevyak, Michael; Knee, Alex; Healy, Andrew*
- 986466** **Assessment of a Training Curriculum for Emergency Ultrasound for Pediatric Soft Tissue Infections**
 Marin, Jennifer*; Alpern, Elizabeth; Panebianco, Nova; Dean, Anthony
- 987065** **Diagnosis of a Septate Uterus in Patients With Suspected Congenital Uterine Anomalies: Role of 3-Dimensional Ultrasound**
 Graupera, Betlem; Pascual, M. Angela*; Hereter, Lourdes; Pedrero, Cristina; Salas, Olga; Rodriguez, Ignacio
- 987066** **Role of Ultrasound Elastography in the Assessment of the Tumoral Size of Breast Cancer**
 Úbeda, Belén; Navarro, Beatriz; Casandra, Wolf; Tresserra, Francisco; Rotili, Anna; Pascual, M. Angela*
- 987129** ✎ **Virtual Touch Tissue Quantification for Noninvasive Staging of Liver Fibrosis**
 Kuroda, Hidekatsu*; Kakisaka, Keisuke; Takikawa Yasuhiro; Suzuki, Kazuyuki
- 987147** ✎ **Ultrasound Signal Statistical Analysis Tool With the Focal Disturbance Ratio: A New Noninvasive Method for the Quantification of Hepatic Steatosis in an Animal Model**
 Kuroda, Hidekatsu; Kakisaka, Keisuke*; Mikami, Yuriko; Kamiyama, Naohisa; Takikawa, Yasuhiro; Suzuki, Kazuyuki
- 987153** **Are We Making Diagnoses With Point-of-Care Ultrasound in the Emergency Department?**
 Liu, Yiju*; Shokoohi, Hamid; Boniface, Keith; Pourmand, Ali; Yadav, Kabir
- 987186** **Accuracy of Ultrasound-Guided Fusion Biopsies**
 Pinchcofsky, Howard*; Hulen, Rachel; Van Holsbeeck, Marnix
- 987283** **Evaluation of Endometrial Blood Flow in In Vitro Fertilization Cycles by Power Doppler 3-Dimensional Ultrasound to Predict a Pregnancy**
 Pascual, M. Angela*; Carreras, Olga; Hereter, Lourdes; Graupera, Betlem; Rodriguez, Ignacio; Coroleu, Buenaventura; Barri, Pedro

- 987424** Effect on Time-Intensity Curve Parameters With Different Doses of an Ultrasound Contrast Agent in Renal Malignant Tumors
*Tang, Shaoshan**; Wang, Yingying
- 987439** Endoluminal Ultrasound-Guided Transureteroscopic Biopsy and Drainage
*Liu, Ji-Bin**; Healy, Kelly; Bagley, Demetrius; Goldberg, Barry
- 987681** A Case Report of Ultrasound Utilization in Diagnosis of Hysteroscopic Perforation of Essure Sterilization Micro Inserts
*Wright Sinnett, Megan**; Blanchette Porter, Misty
- 987919** Interest of the 3-Dimensional Surface Assessment for the Prenatal Diagnosis of a Circumvallate Placenta
*Arlicot, Carine**; Hervé, Philippe; Perrotin, Franck
- 987964** Beyond Portal Hypertension: Abnormalities of the Portal Venous System
Kaproth-Joslin, Katherine; Rubens, Deborah*
- 987972** Emergency Physician-Performed Ultrasonography for Evaluation of First-Trimester Pregnancy Complications in the Pediatric Emergency Department
*Laurich, Vincent**; Trueger, Nathan; Nelson, Bret
- 988053** Prevalence of Transabdominal Ultrasonographic Findings in Children With Sickle Cell Anemia in Sokoto, Northwestern Nigeria
*Maaji, Sadisu**; Jiya, Nma; Saidu, Suleiman; Mohammed, Danfulani; Yunusa, Garba; Mohammed, Sani; Jibirin, Baba; Gele, Ibrahim
- 988139** ✎ Prenatal Diagnosis of Ectrodactyly, Ectrodermal Dysplasia With Clefing Syndrome, and Turner Syndrome
*Riggs, Eleanor**; Pschirrer, E. Rebecca
- 988276** ✎ First-Trimester Diagnosis of Omphalo-Thoracopagus Twins Utilizing 3-Dimensional Ultrasound and Sectional Planes to Demonstrate Sharing of the Heart and Liver
Mercer, Courtney; Cox, Robin; Beeson, James*
- 988280** Optimization of Ultrasound-Mediated Drug Delivery in Cancer
*Sorace, Anna**; Warram, Jason; Umphrey, Heidi; Hoyt, Kenneth
- 988444** ✎ Amniotic Band Syndrome With Supraloral Amputation of the Fetal Skull
Babb, Corey; Abbott, Lioudmila; Beeson, James*
- 988454** ✎ Development of Progressive Urinary Obstruction in the Third Trimester in the Functional Kidney of a Fetus With a Unilateral Multicystic Dysplastic Kidney
Mercer, Courtney; Miller, Oren; Beeson, James*
- 988475** ✎ Neonatal Body Composition in Relation to Ultrasound Parameters of Intrauterine Growth Restriction
*Law, Tameeka**; Korte, Jeffrey; Katikaneni, Lakshmi; Ebling, Myla; Newman, Roger

- 988516** **Gamut of Pelvic Imaging: Ultrasound and Magnetic Resonance Correlation in Benign Female Pelvic Diseases**
*Chandrasekhar, Chitra**; *Shah, Santosh*
- 988535** ✎ **Predictors of Massive Blood Loss in Women With Placenta Accreta**
*Pri-Paz, Shai**; *Devine, Patricia*; *Bonanno, Clarissa*; *Fuchs, Karin*; *Gaddipati, Sreedhar*; *Sun, Xuming*; *Wright, Xuming*
- 988542** ✎ **Outcome of Pregnancies Complicated by Placenta Accreta at Different Gestational Ages**
*Pri-Paz, Shai**; *Devine, Patricia*; *Fuchs, Karin*; *Gaddipati, Sreedhar*; *Bonanno, Clarissa*; *Wright, Jason*
- 988613** **Spatiotemporal Image Correlation Using High-Definition Flow: A New Method for Assessing Ovarian Vascularization—A Reproducibility Analysis**
*Alcazar, Juan Luis**; *Kudla, Marek*
- 988628** **Use of the Gynecologic Imaging Reporting and Data System for Ultrasound Evaluation of Adnexal Masses in Clinical Practice: Results of a Multicenter Prospective Study**
*Alcazar, Juan Luis**; *Amor, Fernando*; *Vaccaro, Humberto*; *León, Mauricio*
- 988670** **Effectiveness of an Ultrasound Simulator in Teaching and Evaluating Transvaginal Sonography Skills in Obstetrics and Gynecology Residents**
Narayan, Raj; *Phelan, Mary Beth**; *Treat, Robert*; *Vontver, Louis*
-  **988818** **Updates on Thyroid Imaging by Vibro-Acoustography**
*Alizad, Azra**; *Morris, John*; *Reading, Carl*; *Kinnick, Randal*; *Greenleaf, James*; *Fatemi, Mostafa*
- 988912** **Predictive Risk Score for Venous Thromboembolism in Patients With Malignancy: A Role for Prophylactic Screening**
Kaproth-Joslin, Katherine; *Francis, Charles*; *Hobbs, Susan*; *Rubens, Deborah**; *Khorana, Alok*
- 989048** **A Different Perspective on the Meaning of Subchorionic Bleeding in In Vitro Fertilization Pregnancies**
*Jimenez, Patricia**; *Cooper, Amber*; *Jungheim, Emily*
- 989086** ✎ **A Population-Based Study of the Utilization of Amniocentesis Among Twin Pregnancies**
*Faro, Revital**; *Santolaya, Joaquin*; *Matta, Paul*; *Ananth, Cande*
- 989178** ✎ **Midtrimester Placental Location and Obstetric Outcome**
Osmundson, Sarah; *Wong, Amy*; *Gerber, Susan**
- 989221** **Rate of Ectopic Pregnancy in All Pregnant Patients With a First-Visit β -Human Chorionic Gonadotropin Level of Less Than 1500: A 3-Year Review**
*Bendeck, Kirsten**; *Lamare, Genese*; *Phillips, Carolyn*; *Antonis, Michael*

- 989225** **Power Doppler Ultrasonographic Evaluation of Inflammation in Rheumatoid Finger Joints: Correlation Between Synovial Blood Flow Signals and Serum Markers**
*Watanabe, Tsuneo**; Takemura, Masao; Sato, Masao; Sekine, Ayako; Fukuoka, Daisuke; Yabumoto, Tamotsu; Seishima, Mitsuru; Shimizu, Katsuji; Matsuoka, Toshio
- 989250** **Ultrasound-Guided Nerve Blockade for Pain Control in Emergency Department Patients With Hip Fractures**
*Dickman, Eitan**; Haines, Lawrence; Ayvazyan, Sergey; Likourezos, Antonios; Pearl-Davis, Michelle; Wu, Stanley
- 989279** **Iatrogenic Injury to the Iliac-Femoral Vessels: A Sonographic Pictorial Review**
*Mathur, Mahan**; Ojili, Vijayanadh; Mojibian, Hamid; Kirsch, Jonathan; Scoutt, Leslie; Gunabushanam, Gowthaman
- 989317** **A Vertically Integrated Medical School Ultrasound Curriculum**
*Hughes, Daralee**; Bahner, David
- 989325** *✎* **Delayed Reduction of the Intestine Into the Abdominal Cavity in a Normal Fetus**
*Lazebnik, Noam**; Corteville, Jane; Bohinc, Lara
- 989326** **Using Ultrasound to Predict Fetal Lung Maturity: Is Biometry Beyond 20 Weeks Reliable?**
*Stine, Michael; Stine, Jessica; Strassberg, Richard; Bedell, Vicky; Gualtieri, Marc; Cruz, Francisco; Romary, Letty**
- 989340** **Platelet-Rich Plasma Therapy: The Radiologist's Role in Diagnosis and Treatment**
*Lee, Kenneth**; Wilson, John
- 989355** **Cosmetic Filler Complications: The Role of Sonography**
*Wortsman, Ximena**; Wortsman, Jacobo; Orlandi, Cecilia; Cardenas, Graciela; Sazunic, Ivo; Jemec, Gregor
- 989391** **B-Ripped Scan for Evaluation of Emergency Department Patients With Shortness of Breath**
*Stewart, Virginia**; Bjornsson, Hjalti; Evans, David; Campbell, Brian; Byars, Donald; Knapp, Barry
- 989432** **Sonographic Measurement of Transverse and Longitudinal Movement of the Inferior Vena Cava During Respiration**
*Resop, Dana**; Briones, Justin; Dayno, Matthew; Blehar, David; Romolo, Gaspari; Chin, Benjamin
- 989521** **Usefulness of Preoperative Ultrasonography in Pediatric Female Unilateral Inguinal Hernias**
*Sugai, Michihiro**; Umehara, Minoru; Narumi, Shunji
- 989523** *✎* **Relationship Between Omphalocele Size and Gestational Age: Is Giant Omphalocele Simply a Matter of Time?**
*Montero, Freddy**; Miller, Russell; Simpson, Lynn

- 989525** ✎ **Biometric Predictors of Fetal Omphalocele Outcomes: Moving Beyond the Giant Omphalocele**
*Montero, Freddy**; *Brady, Paula*; *Miller, Russell*; *Simpson, Lynn*
- 989903** **Resolution of Placenta Previa: Does a Previous Cesarean Section Matter?**
Kellogg, Ann; *Nyholm, Jessica*; *Wax, Joseph*; *Rose, Carl*; *Brost, Brian*; *Davies, Norman*; *Watson, William**
- 989953** ✎ **Suboptimal Visualization of the Fetal Heart During a Fetal Anatomic Survey: Should the Exam Be Repeated Before Fetal Echocardiography?**
*Chappelle, Joseph**; *Muscat, Jolene*; *Meek, Lillian*; *Ogburn, Paul*; *Figueroa, Reinaldo*
- 990003** **Theoretical Study of Acoustic Radiation Force–Induced Shear Wave Interference Patterns**
Hoyt, Kenneth
- 990140** **All That Twinkles Is Not Stone**
*O’Hara, Sara**; *Adams, Janet*
- 990220** **Congenital Cytomegalovirus Infection in Patients With Echogenic Bowel**
*Zilberman, Dimitry**; *Williams, Shauna*; *Fay, Emily*; *Montalvo, Cristina*; *Apuzzio, Joseph*
- 990332** **The Relationship Between Renal Bipolar Length and the Subject’s Height in Nigerian Adults**
Isyaku, Kabiru; *Danbatta, Abdullahi**; *Umar, Mohammed*
- 990373** ✎ **Prenatal Sonographic Diagnosis of Invasive Congenital Thoracic Hamartoma**
*Stone, Ryan**; *Smith, Jennifer*
- 990412** **Is High Resistance/Absence of Diastolic Flow in Prepubertal Testes Really the Norm? An Update**
Kraus, Steven; *Adams, Janet**; *O’Hara, Sara*
- 990555** **Ruptured Epidermal Inclusion Cysts at the Subareolar Area: Ultrasound Features**
*Choi, Nami**; *Kim, Wan-seop*
- 990594** **Automated Detection of Pericardial Effusion Through Ultrasound Image Analysis**
*Guelakis, Patrick**; *Pedersen, Peder*; *Noble, Vicki*
- 990699** ✎ **Ultrasound Diagnosis of Critical Cord Constriction in Monoamniotic Twins**
*Cordova, Yvette**; *Williams, Sarah*; *Quintero, Ruben*
- 990843** **Ultrasound Curriculum in Medical Education**
Fox, John; *Maldonado, Graciela**; *Lotfipour, Shahram*; *Chan, Connie*; *Becker, Brent*

- 995549** Sonodynamic Study: Comparison of Serial Qualitative Versus Quantitative Assessments of the Caval Index and Left Ventricular Systolic Function During Fluid Resuscitation of Emergency Department Patients With Symptomatic Hypotension
*Quirke, Dale**; *Weekes, Anthony*; *Tassone, Heather*; *Babcock, Alan*; *Norton, James*; *Jayarama, Krishnaraj*; *Tayal, Vivek*
- 995569** Sonodynamic Caval Index Compared With Systolic Blood Pressure and Aortic Velocity Time Integral Measurements of Fluid Responsiveness in Emergency Department Patients With Atraumatic Symptomatic Hypotension
*Weekes, Anthony**; *Tassone, Heather*; *Babcock, Alan*; *Norton, James*; *Tayal, Vivek*

Sunday, April 17

- 978273** Ultrasound Fusion: A Real-time Complement to Pediatric Computed Tomography and Magnetic Resonance Imaging
*Woolpert, Linda**; *Junewick, Joseph*
- 982261** Predictive Value of Prenatal Bowel Dilation in Fetuses With Gastroschisis
*Bennett, Kelly**; *Wilson, Megan*; *Carroll, Maryanne*; *Braun, Stephanie*; *Walsh, William*; *Pietsch, John*
- 987619** Educational Exhibit: Color Doppler Twinkling Artifact as a Diagnostic Tool in the Evaluation of Urolithiasis in Pediatric Patients
*Gurian, Michael**; *Darge, Kassa*
- 989561** ✎ Lower Extremity Edema Masquerading as Monosomy X
Julien, Svena; *Wong Amy**
- 989706** Time to Visualize Bilateral Ureteral Jets in Hydrated Emergency Department Patients
*Hyde, Robert**; *Schmier, Charles*; *Nomura, Jason*; *Davis, Barbara*; *Sierzenski, Paul*
- 989886** ✎ Association Between a Single Umbilical Artery and Congenital Heart Disease: Is Fetal Echocardiography Indicated?
*Reese, Chanda**; *Muscat, Jolene*; *Meek, Lillian*; *Avila, Cecilia*; *Figuerola, Reinaldo*
- 990452** An Intracervical Transducer Is Well Tolerated by Women and Does Not Cause Bacterial Inoculation
*Feltovich, Helen**; *Hall, Timothy*
- 990506** ✎ Lower Urinary Tract Obstruction Associated With the Keyhole Sign in a Female Fetus
*Lister, Rolanda**; *Gebb, Juliana*; *Bajaj, Komal*; *Dar, Pe'er*; *Klugman, Susan*
- 990621** Point-of-Care Ultrasound in the Diagnosis of a Perirectal Abscess
*Adhikari, Srikar**; *Schmier, Charles*