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## RSNA Press Release

### Additional Story Ideas

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#### ADDITIONAL STORY IDEAS RSNA 94th SCIENTIFIC ASSEMBLY AND ANNUAL MEETING

**These stories are embargoed for release at the time of their presentations.**

In addition to the presentations described in RSNA news releases, the following presentations have been identified as particularly newsworthy. These stories are embargoed for release at the time of their presentations. Scientific abstracts and the time and location of each presentation can be found in the program book or by searching the online program at [RSNA2008.rsna.org](http://RSNA2008.rsna.org).

#### FEATURED STUDIES

##### BREAST

Mon., Dec. 1, #LL-BR2167-D05, *Can Disparity in Screening Mammography Rates be Reduced in a Culturally Diverse and Uninsured or Underinsured Population?* Janet K. Baum, M.D., Cambridge, Mass.

Mon., Dec. 1, #SSC01-09, *The Data the New York Times Article Was Calling For: Does the Transition from Film Screen to Digital Mammography Increase Call Back Rates and Biopsy Rates?* Kristin Marie Dittmar, M.D., Los Angeles, Calif.

Tues., Dec. 2, #VB31-11, *Evaluation of Additional Ultrasound to Mammography in Case of Breast Density ACR III/IV: Is There a Higher Detection Rate of Breast Cancer? Analysis of 102,744 Diagnostic Processes*, Fritz K.W. Schaefer, M.D., Kiel, Germany

##### GENITOURINARY

Mon., Dec. 1, #SSE10-02, *Assessing Global Gene Expression Programs in Renal Cell Carcinoma by Noninvasive Imaging*, Michael Galen Chan, B.S., San Diego, Calif.

##### PEDIATRIC

Thurs., Dec. 4, #SSQ18-09, *Trabecular Structure Analysis of the Distal Radius in*

*Adolescents with Anorexia Nervosa using Ultra High Resolution Flat Panel Volume CT*, Miriam Antoinette Bredella, M.D., Boston, Mass. (Published in current issue of *Radiology*. News release available upon request in the RSNA Newsroom or by contacting RSNA Media Relations Staff at 1-312-949-3233, Nov. 29 – Dec. 4; or 1-630-590-7762.)

## **PHYSICS**

Wed., Dec. 3, #SSK18-01, *First Results of the Performance of a New Pacemaker System Designed for Use in the MR Environment*, Emanuel Kanal, M.D., Pittsburgh, Pa.

## **VASCULAR/INTERVENTIONAL**

Wed., Dec. 3, #SSM26-01, *High Prevalence of Abdominal Aortic Aneurysm in Men Over 59 Years of Age and Stroke or TIA*, Niels H.A. Van Lindert, M.D., Apeldoorn, Netherlands

## **OTHER HIGHLIGHTS**

## **BREAST**

Mon., Dec. 1, #LL-BR2168-D06, *Breast-Specific Gamma Imaging Compared to Breast US in Patients with Mammographic Abnormalities Requiring Diagnostic Evaluation*, Jean M. Weigert, M.D., New Britain, Conn.

Mon., Dec. 1, #SSC01-05, *Dual Energy Contrast Enhanced Digital Mammography: Preliminary Clinical Results*, Clarisse Dromain, M.D., Villejuif, France

Mon., Dec. 1, #SSC19-06, *Accelerated Partial Breast Irradiation Using MammoSite Brachytherapy: Treatment Efficacy, Cosmesis and Toxicity Results-New York Hospital Queens Experience*, Akkamma Ravi, M.D., Flushing, N.Y.

Mon., Dec. 1, #SSC19-07, *A Report of Safety and Short Term Tolerance in Patients Treated with the MammoSite Balloon Applicator (MS) Using a Two-Day Dose Schedule*, Michelle Wallace, R.N., B.S.N., O.C.N., Royal Oak, Mich.

Mon., Dec. 1, #SSC19-09, *Interstitial High Dose Rate (HDR) Brachytherapy for Ductal Carcinoma in Situ of the Breast: 5-year Results of 39 Cases Using Multi-Catheter Technique*, Shelly Biggs, Lubbock, Tex.

Mon., Dec. 1, #SSE01-04, *Clinical Trial to Investigate Optical Spectroscopy at Core Needle Biopsy of the Breast*, Elizabeth S. Burnside, M.D., M.P.H., Madison, Wis.

Tues., Dec. 2, #SSJ06-03, *Do Breast Shields Really Work? Attenuation Measurements Using a Breast Shield on 4, 16, and 64 Detector Row CT Scanners*, William W. Mayo-Smith, M.D., Providence, R.I.

Tues., Dec. 2, #VB31-06, *Breast MRI Screening of Women with Prior Breast Cancer: Preliminary Results*, Sandra Brennan, M.B.B.Ch., M.Sc., New York, N.Y.

Thurs., Dec. 4, #LL-BR2197-R05, *Retrospective Study of the Impact of Magnetic Resonance Imaging (MRI) on Newly Diagnosed Breast Cancer in African-American Women*, Laura Beth Shepardson, M.D., Cleveland, Ohio

Fri., Dec. 5, #SST01-04, *The Value of Ultrasound Guided Imprint Cytology for Rapid Assessment in Symptomatic Breast*, Linda Marie Hastings, Sutton Surrey, U.K.

## **CARDIAC**

Tues., Dec. 2, #SSJ03-01, *Low Dose CT Coronary Angiography with 320-row MDCT*, Narinder S. Paul, M.D., Toronto, Ontario, Canada

Tues, Dec. 2, #SSJ05-01, *Realistic Risks of Radiation Induced Cancer in a Clinical Patient Population Undergoing Cardiac CT*, U. Joseph Schoepf, M.D., Charleston, S.C.

Wed., Dec. 3, #SSK02-03, *Prevalence of Atherosclerosis Found During Coronary CT Angiography in Patients with Calcium Scores of Zero*, James P. Earls, M.D., Clifton, Va.

Wed., Dec. 3, #SSK02-07, *Epicardial and Intrathoracic Fat but not Subcutaneous Fat Are Associated with the Extent of Coronary Artery Disease*, Gorka Bastarrika, M.D., Charleston, S.C.

Wed., Dec. 3, #SSM03-01, *Roles of Cardiac-MDCT-Angiography in Symptomatic Competitive Athletes*, Giancarlo Savino, M.D., Rome, Italy

## **CHEST**

Mon., Dec. 1, #SSC05-07, *Comparison of HP He-3 MRI Ventilation Measures with Spirometry and Asthma Severity*, Garima Agrawal, M.D., Madison, Wis.

Tues., Dec. 2, #RO32-08, *Radical Robotic Radiosurgery for Inoperable Patients with Small Peripheral Stage 1 Non-small Cell Lung Cancer: Safely Delivering Adequate Doses with Sufficient Margin to Control both Gross and Microscopic Disease*, Saloomah Vahdat, M.D., Washington, D.C.

Thurs., Dec. 4, #LL-CH4210-R05, *Lung Cancer Screening Using Low-Dose Computed Tomography in At-Risk Individuals: Update of the Toronto Experience*, Ravi Menezes, Ph.D., Toronto, Ontario, Canada

Thurs., Dec. 4, #SSQ04-04, *Prevalence of Infiltrative Lung Disease Identified on CT in Participants in the National Lung Screening Trial*, David Augustine Lynch, M.D., Denver, Colo.

Thurs., Dec. 4, #SSQ05-02, *Assessing the Safety of Air Travel Following Lung Biopsy: Interim Analysis*, Alda Lui Tam, M.D., Houston, Tex.

Thurs., Dec. 4, #SSQ05-05, *Diagnostic Accuracy of Percutaneous Needle Biopsy of Pulmonary Nodules According to Nodule Morphology*, Juan Carlos Battlle, M.D., Boston, Mass.

**EMERGENCY RADIOLOGY** Wed., Dec. 3, #LL-ER4061-L01, *Evaluation of Abdominal Blunt Trauma Patterns in Obese Patients Using Multidetector CT*, Angel L. Torres-Rivera, M.D., Miami Beach, Fla.

## **GASTROINTESTINAL**

Tues., Dec. 2, #SSG07-08, *Combined Whole Body Positron Emission Tomography/Computed Tomography (PET/CT)-CT Colonoscopy: Technical Feasibility and Preliminary Results in Patients with Colorectal Cancer*, Silvia Viarani, Rome, Italy

Thurs., Dec. 4, #SSQ06-08, *Purgative-free CT Colonography in Frail Elderly Patients: A Viable Alternative?* Michael M. Slattery, M.D., Dublin, Ireland

## **GENITOURINARY**

Sun., Nov. 30, #SSA10-01, *Dynamic Contrast-enhanced MR Imaging in Evaluating Placental Perfusion*, Gabriele Masselli, M.D., Rome, Italy

Wed., Dec. 3, #SSK08-01, *Value of 3 Tesla Multimodality-directed MR-guided Biopsy to Detect Prostate Cancer in High-risk Patients after at Least Two Previous Negative Biopsies*, Thomas Hambrock, M.B.Ch.B., Nijmegen Gelderland, Netherlands

### **HEALTH SERVICES, POLICY AND RESEARCH**

Mon., Dec. 1, #SSC09-03, *Availability, Awareness and Use of Dose Reduction Technologies Among Radiologists: The CT Awareness of Radiation Exposure Study (CARES)*, Ella A. Kazerooni, M.D., Ann Arbor, Mich.

Wed., Dec. 3, #SSM12-02, *Creating a Patient Centered Radiology Facility: Logistics, Barriers, and Recommendations in Implementing an Outpatient Imaging Center Where Radiologists Consult Directly with Their Patients*, Pat Auveek Basu, M.D., Palo Alto, Calif.

Wed., Dec. 3, #SSM12-04, *If I Choose Not to Participate in Regular Screening Mammography How Long Will I Live If I Develop Breast Cancer?* John D. Keen, M.D., M.B.A., Brookfield, Ill.

Wed., Dec. 3, #SSM12-05, *Use of Imaging Services by Uninsured Hospital Inpatients*, James Moser, Ph.D., Reston, Va.

### **INFORMATICS**

Sun., Nov. 30, #LL-IN2059-B05, *Interactive 3D Simulation of Head & Neck and Vascular Anatomy with Radiologic Correlates: A First-Person Shooter "Serious Gaming" Project*, Ramin Javan, Charlottesville, Va.

Tues., Dec. 2, #LL-IN2071-H01, *Extreme Compression for Extreme Conditions: Optimizing Transmission of CT Images in Combat Operations by Using MP4 Compression Technology*, Paul Gabriel Peterson, M.D., Washington, D.C.

### **MOLECULAR IMAGING**

Mon., Dec. 1, #SSE13-04, *Molecularly Targeted Fluorescent Probes for Real-time Resection of Metastatic Ovarian Cancer*, Hisataka Kobayashi, M.D., Ph.D., Bethesda, Md.

Tues., Dec. 2, #SSJ15-02, *A Novel Hand-held Based Optical Imager with Real-time Co-Registration Facilities, Phantom, in-Vivo and in-Vitro Studies*, Sarah J. Erickson, B.S., Miami, Fla.

Thurs., Dec. 4, #SSQ11-05, *Novel Targeted Aptamer-Superparamagnetic Iron Oxide Nanoparticle Bioconjugates for Combined Prostate Cancer Imaging and Therapy*, Andrew Wang, M.D., Boston, Mass.

### **MUSCULOSKELETAL**

Sun., Nov. 30, #SSA14-01, *Tenosynovitis of the Flexor Tendons of the Hand Detected by MRI: An Indicator for Early Rheumatoid Arthritis*, Iris Eshed, M.D., Tel Hashomer, Israel

Tues., Dec. 2, #LL-MK4338-H02, *Percutaneous Nucleoplasty in the Treatment of Discal Lumbar Pain*, Matteo Mammucari, M.D., Rome, Italy

Tues., Dec. 2, #SSG13-01, *Apoptosis Genes, Potential Biomarkers for Osteoporosis*, Martin J. Shelly, M.B.B.Ch., Dublin, Ireland

## NEURORADIOLOGY

Sun., Nov. 30, #LL-NR2252-B09, *320-Slice CT Imaging in Assessing Cerebrovascular Pathology: Initial Experience*, Eberhard Wilhelm Siebert, M.D., Berlin, Germany

Sun., Nov. 30, #SSA16-08, *Spinal Cord Diffusion Tensor Imaging (DTI) and Fiber Tracking in ALS Patients after Stem Cell Transplantation: Can We Identify Neuronal Regeneration? Preliminary Data of Three Years Experience*, Mariangela Lombardi, Novara, Italy

Tues., Dec. 2, #SSJ18-04, *Comparison of Region of Interest Section Techniques and Fraction Anisotropy Measurements of Corpus Callosum in Diffusion Tensor Imaging for the Diagnosis of Multiple Sclerosis*, Phillip Wayne Patton, Ph.D., Las Vegas, Nev.

Thurs., Dec. 4, #SSQ13-09, *Final Results of Combined Intradiscal and Periganglionic Injection of Medical Ozone and Periganglionic Administration of Steroids and Anesthetic for the Treatment of Lumbar Disk Herniation: Effects on Disk Size and Lumbar Radiculopathy*, Thomas Lehnert, M.D., Frankfurt, Germany

Thurs., Dec. 4, #SSQ15-03, *Influence of Noxious Somatosensory Stimulation on the Human Default-mode Network: An fMRI Study*, Dante Mantini, Ph.D., Chieti, Italy

Fri., Dec. 5, #SST10-05, *Carotid Artery Stenting (CAS): Short and Long Term Results in High Volume Italian Centers*, Tommaso Volpi, M.D., Rome, Italy

## NUCLEAR MEDICINE

Mon., Dec. 1, #SSE19-02, *Dissociation of Brain Atrophy and Metabolism in Alzheimer's Disease: Initial Results from the Alzheimer's Disease Neuroimaging Initiative*, David S. Karow, M.D., Ph.D., San Diego, Calif.

Thurs., Dec. 4, #LL-NM2046-R04, *Correlation of PET and MRI Imaging Data with Psychiatric Evaluation of Patients with and without Obsessive Compulsive Disorder (OCD)*, Justin A. Frederick, M.D., Winston-Salem, N.C.

## PEDIATRIC

Sun., Nov. 30, #LL-PD4068-B02, *Lipoid Pneumonia in Pediatric Patients Following Mineral Oil Aspiration: High-Resolution CT Findings in 37 Cases*, Pedro Augusto Nascimento Daltro, M.D., Rio de Janeiro, Brazil

Wed., Dec. 3, #LL-PD4106-L10, *Cesarean Section versus Vaginal Delivery: No Difference in Brain Size at One Year*, Feraz N. Rahman, M.S., Chapel Hill, N.C.

Wed., Dec. 3, #SSK15-04, *Is Awareness about CT and Radiation Exposure Affecting Imaging Utilization at Large Children's Hospitals?* Kevin E. Gessner, M.B.A., Cincinnati, Ohio

Thurs., Dec. 4, #SSQ18-01, *Fluorine-18 NaF PET in the Detection of Skeletal Trauma in Suspected Child Abuse*, Laura Drubach, M.D., Boston, Mass.

Fri., Dec. 5, #SST14-08, *A DTI Study of the Anterior Region of Corona Radiata (ACR) in ADHD*, Shuohui Yang, M.D., Chicago, Ill.

## PHYSICS



Tues., Dec. 2, #SSG18-02, *Bismuth Breast Shielding with Adaptive Tube Current Modulation: Is Breast Dose Significantly Reduced?* Kalpana M. Kanal, Ph.D., Seattle, Wash.

Wed., Dec. 3, #SSM23-03, *Computer-aided Detection of Polyps at Non-cathartic CTC Using Heterogeneous Stool Removal: FROC Study*, Marius George Linguraru, D.Phil., M.S., Bethesda, Md.

#### **RADIATION ONCOLOGY**

Mon., Dec. 1, #SSE24-05, *Stereotactic Radiotherapy (SRT) to Peripheral Lung Tumors: 1000 cGy x 5 Fractions Causes Minimal Acute Treatment Toxicity*, Thomas Jonathan Dilling, M.D., Tampa, Fla.

Mon., Dec. 1, #VI21-06, *Stereotactic Radiotherapy for Early Stage Lung Cancer: Interesting Results for 28 Patients Using the Stereotactic Body Frame*, Isabelle Barillot, M.D., Tours, France

#### **VASCULAR/INTERVENTIONAL**

Mon., Dec. 1, #SSC21-04, *RF Ablation of Renal Masses: Review of Effectiveness and Evolution of Practice in 316 Tumors over 10 Years*, Debra Ann Gervais, M.D., Boston, Mass.

Thurs., Dec. 4, #SSQ23-02, *Transfemoral and Transtibial Combined Approach in Subintimal Recanalization of SFA Obstructions Extending on Popliteal and Distal Vessels Origin*, Luciano Maresco, M.D., Rome, Italy

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