

**ADDITIONAL STORY IDEAS
RSNA 92ND SCIENTIFIC ASSEMBLY AND ANNUAL MEETING**

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 accessed by author name, as listed in the author index of the program book or by searching the online program at <http://rsna2006.rsna.org>.

BREAST

Sun., Nov. 26, #LL-BR4224-B07, *Molecular Breast Imaging Using a Dual-headed CZT Gamma Camera System: Preliminary Results in Patients with Small Breast Lesions*, Stephen W. Phillips, M.D., Rochester, Minn.

Sun., Nov. 26, #SSA15-02, *Diagnostic Accuracy of Digital versus Film Mammography in Population Subgroups in the American College of Radiology Imaging Network (ACRIN) Digital Mammographic Imaging Screening Trial (DMIST)*, Etta D. Pisano, M.D., Chapel Hill, N.C.

Mon., Nov. 27, #SSE01-01, *Proton Magnetic Resonance Spectroscopy (MRS) of Non-Mass Lesions in the Breast*, Lia Bartella, M.D., M.B.Ch.B., F.R.C.R., New York, N.Y.

Sun., Nov. 26, #LL-BR4220-B03, *Sonographic Features Of Gynecomastia*, Vandana M. Dialani, M.D., Boston, Mass.

Mon., Nov. 27, #SSE02-01, *Utilization of Breast Imaging in the U.S. Medicare Population: Recent Trends*, David C. Levin, M.D., Philadelphia, Pa.

CARDIAC

Sun., Nov. 26, #SSA07-08, *Diagnostic Accuracy of 64-slice Computed Tomography versus Conventional Coronary Angiography: Results of 180 Consecutive Patients*, Willem B. Meijboom, M.D., Rotterdam, Netherlands

Mon., Nov. 27, #SSC07-03, *Prevalence and Clinical Significance of Noncardiac Findings in Coronary Computed Tomography Angiography for Coronary Artery Disease Assessment*, Jolanta M. Dennis, M.D., New Haven, Conn.

Tues., Nov. 28, #SSG08-05, *Epidemiology of Coronary Artery Calcification (CAC) Detected by Multislice Computed Tomography (MSCT) in an Asymptomatic Population of Adults*, Sharp F. Malak, M.D., M.P.H., Little Rock, Ark.

Sun., Nov. 26, #SSA07-02, *Unsuspected Pathology Discovered on ECG-Gated 64-Detector Multislice CT in Patients with Congenital Heart Disease*, James W. Mathewson, M.D., San Diego, Calif.

Mon., Nov. 27, #SSC07-02, *Noninvasive Diagnosis of Acute Myocarditis Using Delayed Enhancement Cardiac MRI and Coronary MDCT: No Need for Conventional Angiography*, Marta Tomas, Madrid, Spain

Mon., Nov. 27, #SSC08-04, *Sixty-Four Slice Non-invasive Coronary CT Angiography is Feasible and Demonstrates an Earlier Stage of Coronary Artery Disease in Symptomatic Obese Patients*, Tamar Gaspar, M.D., Haifa, Israel

Fri., Dec. 1, #SST06-07, *Incidental Non-Cardiac Findings Prospectively Seen on Cardiac CT Angiography (CTA)*, Stephen I. Zink, M.D., Wethersfield, Conn.

Tues., Nov. 28, #LL-CA4103-H09, *Cardiac CT Angiography: Extracardiac Findings*, Elizabeth W. Dann, M.D., Lebanon, N.H.

Wed., Nov. 29, #LL-CA4110-L06, *Unsuspected Coronary Artery Anomalies Found During 64-Detector Multi-Slice CT Evaluations of Congenital Heart Disease*, James W. Mathewson, M.D., San Diego, Calif.

Wed., Nov. 29, #LL-CA4113-L09, *Differences in Coronary Plaque Burden as Detected by Coronary MDCT between Patients with and without Metabolic Syndrome (MetSyn)*, Javed Butler, Boston, Mass.

Sun., Nov. 26, #SSA07-05, *Preoperative Computed Tomography Coronary Angiography to Detect Significant Coronary Artery Stenosis in Patients Referred for Valve Surgery*, Willem B. Meijboom, M.D., Rotterdam, Netherlands

Mon., Nov. 27, #SSE09-04, *Comprehensive Global and Regional Left Ventricular Function and Myocardial Perfusion Analysis by 64-slice MDCT in Patients with Acute Myocardial Infarction*, Ricardo C. Cury, M.D., Boston, Mass.

CHEST

Wed., Nov. 29, #SSK04-02, *Update on the International Early Lung Cancer Action Program (I-ELCAP)*, Claudia I. Henschke, Ph.D., M.D., New York, N.Y.

Wed., Nov. 29, #SSK04-01, *Five-year Lung Cancer Screening Experience: Review of CT Appearance, Growth Rate, Location, and Histology of 61 Lung Cancers*, Rebecca M. Lindell, M.D., Rochester, Minn.

Wed., Nov. 29, #SSK05-02, *In-Vivo Assessment of a New Steerable Biopsy Needle*, David F. Yankelevitz, M.D., New York, N.Y.

EDUCATION EXHIBITS

#LL-NR4744, *Strokes in Young Adults*, Kunwar Bhatia, M.B.B.S., Middlesex, U.K.

EMERGENCY MEDICINE

Mon., Nov. 27, #SSC21-03, *Consequence of Primary Whole Body MSCT on Mortality in Major Trauma*, Markus Koerner, M.D., Munich, Germany

Sun., Nov. 26, #LL-ER4377-D02, *Detection of Ingested Cocaine-filled Packets - Diagnostic Value of Native Multidetector CT*, Sabine Schmidt, M.D., Lausanne, Switzerland

GASTROINTESTINAL

Mon., Nov. 27, #SSC09-01, *CTC of the Noncathartic Colon: Performance Appraisal Using Combined Unsubtracted and Stool Subtracted Data Sets*, C. Daniel Johnson, M.D., Rochester, Minn.

Wed., Nov. 29, #SSM11-01, *Interventional Barium: The Use of a Provocative Food Study Compared to Barium Alone to Assess Functional Disorders of the Alimentary Tract*, Ashraf Thabet, M.D., Boston, Mass.

Thurs., Nov. 30, #SSQ09-05, *Assessing Global Gene Expression Programs of Hepatocellular Carcinoma by Noninvasive Imaging*, Michael Kuo, M.D., San Diego, Calif.

Mon., Nov. 27, #SSC09-02, *CT Colonography with Limited Bowel Preparation: Performance Characteristics in 159 Patients at Increased Risk for Colorectal Cancer*, Sebastiaan Jensch, M.D., Amsterdam, Netherlands

Tues., Nov. 28, #SSG06-04, *Comparison of CT Enterography (CTE) Using 64 Row Detector MDCT with Wireless Video Capsule Endoscopy (VCE) in the Investigation of Small Bowel Disease*, Brian C. Lucey, M.D., Boston, Mass.

GENITOURINARY

Sun., Nov. 26, #SSA06-03, *“The Male Lumpectomy”: Focal Cryoablation in Treating Prostate Cancer Preserves Potency and Continence*, Gary M. Onik, M.D., Orlando, Fla.

Mon., Nov. 27, #SSC06-07, *Economic and Ethical Impact of Extrarenal Findings on Potential Living Kidney Donor Assessment with CT Angiography*, Zeev Vladimir Maizlin, M.D., Vancouver, Canada

Sun., Nov. 26, #SSA05-04, *MRI in the Evaluation of Tubal Patency in Women*, Elizabeth Sadowski, M.D., Madison, Wis.

Sun., Nov. 26, #SSA05-05, *Early Invasive Cervical Cancer: MRI and CT Predictors of Occult Lymphatic Metastases in the ACRIN 6651/GOG 183 Intergroup Study*, Donald G. Mitchell, M.D., Philadelphia, Pa.

Sun., Nov. 26, #SSA06-06, *Radiofrequency Ablation of Large (4 cm) Renal Tumors with a Multiple Electrode Impedance Controlled System Compared to Historic Results with Single Electrode Ablation: Bigger, Better, Faster?*, Debra A. Gervais, M.D., Boston, Mass.

Sun., Nov. 26, #SSA06-08, *Percutaneous MRI-guided Cryoablation of Renal Tumors*, Stuart G. Silverman, M.D., Boston, Mass.

Mon., Nov. 27, #SSC06-01, *Radiologic and Histopathologic Correlates of Renal Cell Carcinoma Gene Expression*, David S. Wang, M.D., San Diego, Calif.

Mon., Nov. 27, #SSE05-01, *Can Adrenal Mass Growth Rate on CT Predict the Likelihood of Malignancy?*, Laura B. Shepardson, M.D., Beachwood, Ohio

Mon., Nov. 27, #SSE05-05, *Impact of MRI on the Negative Laparotomy and Perforation Rates in Pregnant Patients with Suspected Acute Appendicitis*, Ivan Pedrosa, M.D., Brookline, Mass.

Fri., Dec. 1, #SST05-01, *HistoScanning: A New Computer-aided Diagnostic Tool for Distinguishing Benign from Malignant Ovarian Masses: A Multicentric Study Report*, Olivier Lucidarme, M.D., Paris, France

HEALTH SERVICES, POLICY AND RESEARCH

Mon., Nov. 27, #SSC23-02, *What is the Cash Price of a Screening Mammogram?*, John D. Keen, M.D., M.B.A., Chicago, Ill.

Sun., Nov. 26, #LL-HS4362-H01, *Post Mortem Total Body CT and Total Body MRI; an Alternative for Autopsy?*, Annick C. Weustink, M.D., Rotterdam, Netherlands

MOLECULAR IMAGING

Mon., Nov. 27, #SSC05-09, *Optical Molecular Imaging of the Female Breast: Imaging Findings with CT-Laser Mammography (CTLM) in Human Breast Lesions*, Daniel Floery, M.D., Vienna, Austria

Sun., Nov. 26, #LL-MI4385-B02, *Dual Transfer of Gene and MR Contrast Agent into Stem Cells: Toward Molecular MR imaging of Stem Cell-mediated Gene Therapy*, Bensheng Qiu, Baltimore, Md.

MUSCULOSKELETAL

Tues., Nov. 28, #LL-MK4294-H09, *Effect of Weight Loss on Different Fat Compartments: Prospective Evaluation with 3T MRI*, Kinh Gian Do, M.D., Ph.D., New York, N.Y.

Mon., Nov. 27, #SSC20-06, *Alteration of Water Content in Lumbar Intervertebral Discs Related to Variable Sitting Postures Using Whole-body Positional MR Imaging*, Waseem Amir Bashir, M.B.Ch.B., F.R.C.R., Edinburgh, U.K.

Thurs., Nov. 30, #SSQ20-02, *RF Neurolysis of Stellate Ganglion Aiming at Two Sites C7 and T1 Under CT Guidance: Results in 28 Patients with in Complex Regional Pain Syndrome Type 1 of the Upper Limb*, Nicolas Sailley, M.D., Besancon, France

Tues., Nov. 28, #SSG21-03, *Effects of Strontium Ranelate on 3D Cortical and Trabecular Microstructure in Postmenopausal Osteoporosis in Multicenter, Double-Blind, and Placebo Controlled Studies*, Yebin Jiang, M.D., Ph.D., Ann Arbor, Mich.

Mon., Nov. 27, #SSC20-03, *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

Tues., Nov. 28, #SSJ23-01, *Total Body Fat Assessment Using Whole Body MRI and Comparison with Serum Leptin Concentration*, Julie M. O'Brien, M.B.B.Ch., B.A.O., M.R.C.P.I., Dublin, Ireland

Mon., Nov. 27, #SSC20-04, *Percutaneous Laser Diode Disc Decompression (PL3D) with Fluoroscopic Guidance, CT Guidance, and Fluoro-CT Guidance*, Silvia Lucarini, M.D., Florence, Italy

NEURORADIOLOGY

Mon., Nov. 27, #SSE15-05, *Converging Evidence for Specific Neurotoxic Effects of Ecstasy on the Thalamus Using Advanced MR Imaging Techniques and [123I]β-CIT SPECT*, Maartje Maria L. de Win, M.D., Amsterdam, Netherlands

Sun., Nov. 26, #LL-NR4131-B07, *Orbitofrontal Cortex in Human Brain Cocaine Addiction*, Vicente Belloch, M.D., Valencia, Spain

Tues., Nov. 28, #SSJ15-04, *Monitoring Metabolic Changes of N-Acetyl-Aspartate Following Cerebral Concussion: One-H MR Spectroscopy Study Using 3T MR*, Andrea Ludovici, M.D., Rome, Italy

Wed., Nov. 29, #SSK14-03, *Accuracy of Perfusion CT for Detection of Hyperacute Ischemic Stroke within the 3-Hour tPA Window: Study of 65 Patients with Diffusion MR Correlation*, Ke Lin, M.D., New York, N.Y.

Wed., Nov. 29, #SSK14-02, *CT Perfusion ASPECT Scoring for Early Stroke Assessment*, Jeff N. Mandelcorn, M.D., Toronto, Canada

Sun., Nov. 26, #SSA13-07, *Abnormal Glutamate and Glutamine Levels in HIV Associated Dementia: A 3-Tesla Magnetic Resonance Spectroscopy Study*, Mona A. Mohamed, M.D., Ph.D., Baltimore, Md.

Tues., Nov. 28, #SSJ15-01, *Not So Minor Head Injury: Diffusion Tensor Imaging (DTI) Identifies White Matter Deficits in Patients with Delayed Cognitive Impairment Following Mild-Traumatic Brain Injury (TBI)*, Erik L. Gellela, M.D., Bronx, N.Y.

Thurs., Nov. 30, #SSQ14-09, *Non-contrast CT Prediction of Brain Death*, Santanu Chakraborty, Toronto, Canada

Thurs., Nov. 30, #SSQ14-03, *Detection of Asymptomatic Cerebral Microbleeds in Patients Treated with Oral Antithrombotics*, Christoph Stehling, M.D., Muenster, Germany

Sun., Nov. 26, #SSA13-02, *Diffusion Tensor Imaging and Quantitative Fiber Tracking to Assess Age-related Degradation in the Central Nervous System*, Andreas Stadlbauer, Ph.D., Erlangen, Germany

Wed., Nov. 29, #SSM14-01, *Carotid Artery Stenting: Six-year Single Center Experience*, Fabrizio Fanelli, Rome, Italy

Thurs., Nov. 30, #SSQ14-08, *High-Resolution Susceptibility Weighted MR Imaging: A Novel Sequence for Diagnosing Brain Death*, Parul Penkar, M.D., Loma Linda, Calif.

Sun., Nov. 26, #SSA13-05, *Diffusion Tensor Imaging of the White Matter in Patients with Alzheimer Disease and in Patients with Mild Cognitive Impairment*, Maja Ukmar, M.D., Trieste, Italy

Sun., Nov. 26, #SSA13-06, *Evaluation of Basal Forebrain Atrophy in Alzheimer's Disease Using MRI*, Wilhelm H. Flatz, M.D., Munich, Germany

Sun., Nov. 26, #SSA13-09, *Huntington Disease: Correlation between Quantitative MR Imaging, Genetic, and Clinical Results*, Josef Vymazal, M.D., Ph.D., Prague, Czech Republic

NUCLEAR MEDICINE

Wed., Nov. 29, #SSK25-02, *PET-CT is Superior to Contrast-enhanced CT for the Detection of Metastatic Ovarian Carcinoma*, Shikha Khullar, M.D., Birmingham, Ala.

Wed., Nov. 29, #LL-NM2096-L01, *F-18 FDG PET/CT in the Management of Melanoma*, Andrei Iagaru, M.D., Stanford, Calif.

Sun., Nov. 26, #SSA23-07, *Whole Body PET/CT-Colonography: A New Staging Concept in Patients with Colorectal Cancer*, Patrick Veit, M.D., Essen, Germany

Wed., Nov. 29, #LL-NM2104-L09, *Dual Time PET Imaging is Useful in Detection of Recurrent and Metastatic Ovarian Cancer by PET/CT*, Shikha Khullar, M.D., Birmingham, Ala.

PEDIATRIC

Wed., Nov. 29, #SSK17-05, *MRI for Early Detection of Meningitic Labyrinthitis in Children*, Jonathan C. Kopelovich, B.A., Philadelphia, Pa.

Mon., Nov. 27, #LL-PD4006-D03, *Nitrous Oxide is a Realistic Alternative to General Anesthesia for Renal Biopsies in Children*, Owen Arthurs, M.B.B.Chir., London, U.K.

Fri., Dec. 1, #SST13-02, *Educating Parents about CT Radiation Exposure in Children: It's Okay to Tell Them*, David B. Larson, M.D., M.B.A., Littleton, Colo.

PHYSICS

Tues., Nov. 28, #SSG18-07, *Automatic Detection of a Blood Pool in Abdominal Ultrasound Images of Trauma*, Raj Shekhar, Ph.D., Baltimore, Md.

Wed., Nov. 29, #SSM21-04, *A Computerized Method for Automated Detection of Asymptomatic Vertebral Fractures on Lateral Chest Radiographs: A Tool for Early Detection of Osteoporosis*, Satoshi Kasai, Ph.D., Chicago, Ill.

Fri., Dec. 1, #SST14-09, *The Effects of Computed Tomography (CT) Irradiation on Implantable Cardiac Rhythm Management (ICRMD) Devices*, Cynthia H. McCollough, Ph.D., Rochester, Minn.

Wed., Nov. 29, #SSM19-01, *Image Reconstruction from Highly Sparse MR Samples and Its Potential Application to Fast MRI-based Evaluation of Stroke*, Samuel LaRoque, Ph.D., Chicago, Ill.

RADIATION ONCOLOGY AND RADIOBIOLOGY

Sun., Nov. 26, #LL-RO4321-B09, *A Differential (d) Whole Brain IMRT for Hopelessly Untreatable Multiple Large Brain Metastasis*, Andre Kalend, Ph.D., Morgantown, W.Va.

Sun., Nov. 26, #SSA24-08, *Dermatological Applications of HDR Using Surface Applicators Using a Shorter Treatment Schedule*, Beatriz Amendola, M.D., Coral Gables, Fla.

Mon., Nov. 27, #SSC24-09, *Establishing Bioluminescence Imaging (BLI) as a Means to Quantify the Radiation Response of Cancer Cells*, Gang Niu, Ph.D., Stanford, Calif.

Wed., Nov. 29, #SSK26-03, *Treatment of Lung Lesions with CyberKnife Stereotactic Radiotherapy: Initial Experience at the University of Southern California*, Parvesh Kumar, M.D., Los Angeles, Calif.

RSNA-NCI INTERVENTIONAL ONCOLOGY SERIES

Thurs., Nov. 30, #VI52-04, *Radiofrequency Tumor Ablation of Small Breast Cancer: 3-T MR Imaging with Monitoring of Effectiveness*, Guglielmo Manenti, M.D., Rome, Italy

Wed., Nov. 29, #VI41-06, *Radiofrequency Ablation of Surgically Unresectable Lung Cancers: Long-term Follow-up Results*, Subba Digumarthy, M.D., Boston, Mass.

ULTRASOUND

Mon., Nov. 27, #LL-US2118-D02, *Right Sided Carotid Artery Stenosis as a Prognostic Marker for Death after Acute Ischemic Stroke*, Nora Dajani, M.D., Rochester, Minn.

VASCULAR/INTERVENTIONAL

Wed., Nov. 29, #SSK02-03, *Trellis Thrombectomy Devise in the Treatment Iliofemoral Vein Thrombosis: Radiological and Clinical Application and Outcome*, Carmel G. Cronin, M.B.B.Ch., Galway, Ireland

Tues., Nov. 28, #SSG03-04, *Drug Coated Balloon Angioplasty Prevents Restenosis in the SFA 6-months Angiographic Follow-up of the Thunder-Trial*, Gunnar Tepe, M.D., Tuebingen, Germany

Tues., Nov. 28, #SSG03-07, *Percutaneous Revascularization of Infra-Popliteal Arteries in Lower Limb Saving*, Maurizio Grosso, M.D., Cuneo, Italy

Thurs., Nov. 30, #LL-VI2035-L05, *Endovascular Stent Grafting in Complicated Type B Aortic Dissection: Differences in Outcome Between Acute and Chronic Cases*, Graham J. Munneke, M.B.B.S., London, U.K.

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