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NEWS

ADDITIONAL STORY IDEAS
RSNA 104th SCIENTIFIC ASSEMBLY AND ANNUAL MEETING

In addition to the presentations described in RSNA news releases, the following presentations have been identified as particularly newsworthy. Times, locations and abstracts for the presentations can be found in the online program at *http://rsna2018.rsna.org/program/*.

FEATURED STUDIES

BREAST
Sun. Nov. 25, #SSA01-02, *Does Tomosynthesis Work For Everyone?* Ethan O. Cohen, M.D., Houston, Texas

Mon. Nov. 26, #SSE02-02, *City Patterns of Screening Mammography Uptake and Disparity Across the United States*, Eric Kim, M.D., New York, N.Y.

Mon. Nov. 26, #BR231-SD-MOA3, *Clinical Impact of Second Opinion Radiology Consultation for Patients with Breast Cancer*, Debra S. Whorms, M.D., Boston, Mass.

CARDIAC
Mon. Nov. 26, #SSE03-06, *Interaction of Endurance Sport, Coronary Atherosclerosis and Flow by Coronary Computed Tomography Angiography (CTA): Insights from 3D CFD Modelling*, Gudrun Feuchtner, M.D., Innsbruck, Austria

Mon. Nov. 26, #CA219-SD-MOB3, *Effect of Long Term CPAP Usage on Cardiac Parameters Assessed with Cardiac MRI*, Wolfgang Wust, M.D., Erlangen, Germany

Tues. Nov. 27, #SSG02-09, *Atherosclerosis of Coronary Arteries in HIV Patients on Routine Non-Gated CT Chest: Incidence, Characteristics, and Risk Factors*, Mayil S. Krishnam, M.B.B.S., M.R.C.P., Orange, Calif.

CHEST
Mon. Nov. 26, #SSC03-06, *Understanding Gaps Between Mental Health and Radiology Care: Population-based Cross-Sectional Survey Analysis of Lung Cancer Screening Eligibility and Smoking Prevalence Among Patients with Mental Illness*, Efren J. Flores, M.D., Boston, Mass.

Wed. Nov. 28, #SSK05-02, *Application of Deep Learning for Risk Stratification of Pulmonary Nodules*, Seyoun Park, Baltimore, Md.

GASTROINTESTINAL
Wed. Nov. 28, #SSM08-05, *Individuals with NAFLD Show Stronger Improvements in Liver Function and Insulin Sensitivity Than Individuals without NAFLD upon Dietary Weight Loss*, Johanna Nattenmueller, M.D., Heidelberg, Germany

HEALTH SERVICES, POLICY AND RESEARCH
Wed. Nov. 28, #HP226-SD-WEA1, *The Role of Post-Mortem CT in Cases of Murder with Corpse Concealment*, Amalia Lupi, M.D., Padova, Italy

INFORMATICS
Wed. Nov. 28, #SSM13-06, *Head Mounted Display Augmented Reality for Image Guided Procedures of the Spine*, Jacob Gibby, B.S., Washington, D.C.

MUSCULOSKELETAL
Sun. Nov. 25, #SSA14-04, *Predicting Osteomyelitis in Patients with Equivocal MRI Findings*, Alessandra J. Sax, M.D., Philadelphia, Pa.

Mon. Nov 26, #RC204-04, *Previous Meniscal Surgery is Associated with Higher Cartilage T2 Values Indicating More Advanced Cartilage Deterioration: Data from the Osteoarthritis Initiative*, Jan Neumann, M.D., San Francisco, Calif.

Mon. Nov. 26, #RC204-09, *Effects of Foot Strike Pattern on Running Biomechanics and Knee Joint Degeneration*, Richard Kijowski, M.D., Madison, Wis.

NEURORADIOLOGY
Wed. Nov. 28, #SSM19-01, *The Gadolinium Deposition Debate Revisited Using a Fully Automated Big Data Approach*, Julian Gehweiler, Basel, Switzerland

Wed. Nov. 28 #SSK15-08, *Deep Learning Based Quantitative Diagnosis of Ischemic Stroke on CT*, Peter Chang, M.D., San Francisco, Calif.

PEDIATRIC
Tues. Nov. 27, #RC313-06, *It's A Thin Line: Development and Validation of Dixon MRI-Based Semi-Quantitative Assessment of Physeal Stress in the Wrists of Young Gymnasts and Non-Gymnasts*, Laura S. Kox, M.D., Amsterdam, Netherlands

VASCULAR/INTERVENTIONAL
Wed. Nov. 28, #RC512-03, *Focused, Ferumoxytol Enhanced MR Angiography (f-FEMRA) in Five Minutes Table Time for Patients With Claustrophobia: A Comparative Study*, Puja Shahrouki, Los Angeles, Calif.

Thurs. Nov. 29, #VI266-SD-THB1, *Superman X-Ray Vision Smart Glasses Guidance for Percutaneous Biopsy and Ablation*, Ming Li, Ph.D., Bethesda, Md.

OTHER HIGHLIGHTS

BREAST
Sun. Nov. 25, #SSA01-05, *Risk of Breast Cancer After a False-Positive Screening Mammogram in Relation to Mammographic Abnormality: Potential for Prevention?* Rasika Rajapakshe, Ph.D., Kelowna, Canada

Sun. Nov. 25, #BR224-SD-SUB1, *Evaluation of Gd-Deposits in Healthy Women Participating in High Risk Screening Program for Early Breast Cancer Detection*, Barbara Bennani-Baiti, M.D., Wien, Austria

Wed. Nov. 28, #SSM02-03, *A Deep-Learning Breast Cancer Risk Prediction Network: Trained on the Population-based Swedish CSAW Data*, Fredrik Strand, M.D., Ph.D., Stockholm, Sweden

CHEST
Tue. Nov. 27, #SSJ05-06, *Utilization of 19F MRI for Identification of Iraqi-Afghanistan War Lung Disease*, Joseph G. Mammarappallil, M.D., Ph.D., Durham, N.C.

Wed. Nov. 28, #CH284-SD-WEA1, *Differences of CT Bone Density, Pulmonary Function, and Bone Mineral Density According to Smoking Status and Amount in Healthy Men*, Cherry Kim, M.D., Ansan, Korea

EMERGENCY RADIOLOGY
Mon. Nov. 26, #SSE06-06, *Radiology "Forensics": Determination of Age and Gender from Chest X-Rays Using Deep Learning*, Paul H. Yi, M.D., Baltimore, Md.

Mon. Nov. 26, #SSC04-06, *Utility of 3D Post-Processing Cinematic Rendering Reconstruction Images in Acute Trauma Setting: Initial Observations*, Sadia R. Qamar, M.B.B.S., Vancouver, Canada

Thurs. Nov. 29, #ER229-SD-THA1, *A Modern Phenomenon: Bicycle Versus Pedestrian Trauma within a Major Urban Trauma Center, Including a Review of Imaging Findings*, Drew Gunio, M.D., M.S., New York, N.Y.

INFORMATICS
Tue. Nov. 27, #SSJ13-04, *The Achilles Heel of Draconian Hi-Tech Act Penalties: The Inadequacy of Current Data Encryption and Protection Technology*, Adina Haramati, M.D., Bronx, N.Y.

MUSCULOSKELETAL
Sun. Nov. 25, #SSA14-01, *MR-Based Assessment of Bone Marrow Fat in a Population-Based Cohort Study: Comparison of Different Methods and Association to Physical Activity*, Robert C. Bertheau, M.D., Heidelberg, Germany

Mon. Nov. 26, #SSC10-02, *Bone Marrow Adipose Tissue Composition by 3T Chemical Shift Encoded MRI: Differences between Postmenopausal Osteoporosis and Glucocorticoid-Induced Osteoporosis*, Dimitri Martel, Ph.D., New York, N.Y.

Mon. Nov. 26, #SSC10-09, *Effects of Nutrition, Exercise, and Medication on Bone Microarchitecture Assessed by HR-pQCT Measurements in Long-Term HIV-Infected Individuals*, Sarah C. Foreman, M.D., San Francisco, Calif.

Mon. Nov. 26, #SSC10-03, *Association of DXA Markers of Sarcopenia with Inflammation and Adiposity Related Hormones in an Elderly Population: A Gender-Based Analysis*, Daniele Mercatelli, Ph.D., Bologna, Italy

Mon. Nov. 26, #RC204-05, *Collagen Meniscal Implant: A Long Term MRI Follow-Up in Asymptomatic Patients*, Balazs Krisztian Kovacs, Basel, Switzerland

Tue. Nov. 27, #RC304-07, *Ultrasound Guided Targeted High Volume Injection (HVI) of the Rotator Cuff Interval versus Supervised Physical therapy for Primary Adhesive Capsulitis of Shoulder: A Randomized Control Study*, Joban Babhulkar, M.B.B.S., D.M.R.D., Pune, India

Wed Nov. 28, #SSM15-06, *Leopard Spot Edema: An Osseous Stress, Healing and Reinjury Phenomenon in Professional Ballet Dancers Seen on MR*, Felix Gonzalez, M.D., Atlanta, Ga.

Thurs. Nov. 29, #SSQ13-07, *Association Between Patellofemoral Cartilage Damage and Frequency of Kneeling Activity in Subjects with/without Patella Alta: An FNIH OA Biomarkers Consortium Study*, Arya Haj-Mirzaian, M.D., M.P.H., Baltimore, Md.

NEURORADIOLOGY
Sun. Nov. 25, #SSA19-06, *Repetitive Transcranial Electrical Stimulation Produces Enhanced Resting Cerebral Perfusion in the Locus Coeruleus*, Matthew S. Sherwood, Ph.D., Dayton, Ohio

Sun. Nov. 25, #SSA19-02, *White Matter Cellularity Change Correlates with CSF ß-Amyloid in Preclinical Alzheimer's Disease*, Qing Wang, Ph.D., St. Louis, Mo.

Sun. Nov. 25, #SSA18-05, *In-Vivo Tissue Marker of Neuro-Inflammation is Associated with WMH Burden: A Multimodal PET-MR Study*, Hongyu An, D.Sc., St. Louis, Mo.

Mon. Nov. 26, #SSE20-06, *Whole Brain Structural Health in Relation to Cardiovascular Risk Factors: An Evaluation Using the Brain Atrophy and Lesion Index*, Tao Gu, M.D., Ph.D., Beijing, China

Mon. Nov. 26, #SSE20-01, *Neuroimaging Evidence of Structural and Functional Brain Plasticity After Sight Onset Late in Childhood*, Vidur Mahajan, M.B.B.S., New Delhi, India

Tue. Nov. 27, #SSG10-03, *Virtual and Augmented Reality Helps in Pre-Operative Planning of Brain Tumors*, Vinodh A. Kumar, M.D., Houston, Texas

Wed. Nov. 28, #SSK16-04, *Cerebral Perfusion is Altered by Real-Time fMRI Neurofeedback-Directed Self-Regulation of the Primary Auditory Cortex*, Matthew S. Sherwood, Ph.D., Dayton, Ohio

Wed. Nov. 28, #SSK16-05, *Investigation of Functional Networks Changes Using Degree Centrality in Heavy Smokers*, Ke Xu, Zhengzhou, China

NUCLEAR MEDICINE
Wed. Nov. 28, #NM231-SD-WEB1, *Variability of Cold-Activated Brown Adipose Tissue Depends on Thermoregulatory Brain Network*, Otto Muzik, Ph.D., Detroit, Mich.

PEDIATRIC
Thurs. Nov. 29, #SSQ19-03, *White Matter Microstructural Correlates of Sensory Processing Disorder (SPD) on Connectome Edge Density Imaging and Probabilistic Tractography: Potentials of Machine Learning Models for Devising New Imaging Biomarkers*, Seyedmehdi Payabvash, M.D., San Francisco, Calif.

VASCULAR/INTERVENTIONAL
Mon. Nov. 26, #SSC15-02, *Magnetic Resonance-Guided Focused Ultrasound (MRgFUS) Focal Treatment of Localized Prostate Cancer: Initial Experience and Follow Up from a Multi-Center Trial*, Clare M. Tempany-Afdhal, M.D., Boston, Mass.

HIGH-IMPACT CLINICAL TRIALS
Mon. Nov. 26, #SPSI26A, *Efficacy and Safety of Transdermal, Sublingual, and Oral Nitroglycerin Administration for Coronary CT Angiography: Results of a Prospective Randomized Trial*, Dominik Fleischmann, M.D., Stanford, Calif.

Mon. Nov. 26, #SPSI26B, *Optoacoustic Imaging (OA) is Helpful in Predicting Breast Cancer Molecular Subtypes*, Linda Moy, M.D., New York, N.Y.

Mon. Nov. 26, #SPSI26C, *Safety and Tolerability of High-Specific-Activity I-131 MIBG (AZEDRA®) in Patients with Iobenguane Scan Positive Cancers: A Pooled Analysis Across AZEDRA Clinical Studies*, Richard L. Wahl, M.D., St. Louis, Mo.