ADDITIONAL STORY IDEAS
RSNA 105th 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://rsna2019.rsna.org/program/.

FEATURED STUDIES

BREAST
Mon. Dec. 2, #RC215-03, MRI in Addition to Mammography Screening in Women with Extremely Dense Breasts: Primary Outcome of the Randomized DENSE Trial, Marije F. Bakker, Ph.D., Utrecht, Netherlands


CARDIAC
Sun. Dec. 1, #CA203-SD-SUB1, Deep-Learning-Based Technology for Eliminating Gadolinium Contrast Agents in Myocardial Infarction MR Imaging, Chenchu Xu, Ph.D., Ontario, Canada

EMERGENCY RADIOLOGY
Mon. Dec. 2, #SSE06-01, Diagnostic Accuracy and Impact on Clinical Patient Management of an Ultrafast 5 Min/5 Sequences Brain MRI Protocol in Acute Neurological Emergencies, Philipp M. Kazmierczak, M.D., Munich, Germany

GENITOURINARY
Fri. Dec. 6, #SST04-04, Automated Radiomic Analysis of Ureteral Stones Using ER Renal Stone CT Images Predicts Likelihood of Spontaneous Passage, Joel G. Fletcher, M.D., Rochester, Minn.

HEALTH SERVICES, POLICY AND RESEARCH
Sun. Dec. 1, #HP215-SD-TUB1, CT Examination and 3D Analysis of Egyptian Animal Mummies. Michaela I. Cellina, Milan, Italy

Mon. Dec. 2, #SSE13-01, Medical Radiation Exposure of Patients in the United States, Mahadevappa Mahesh, Ph.D., Baltimore, Md.

INFORMATICS
Mon. Dec. 2, #SSC08-07, Detection of Lung Cancer in Subjects with Positive Screening CT Scans in the National Lung Screening Trial (NLST) Dataset by Leveraging the Lung Image Database Consortium (LIDC-IDRI) Dataset, Pritam Mukherjee, Ph.D., Stanford, Calif.

Wed. Dec. 4, #SSM15-03, Protecting Patients from Cyber-Attacks on CTs Using Machine Learning Methods, Tom Mahler, Beer Sheva, Israel

MUSCULOSKELETAL
NEURORADIOLOGY


Tues. Dec. 3, #SSJ18-01, Detection of Cerebral Microbleeds in American Football Players Using SWI: A Comparison of 3T to 7T MRI, Cornelius Deuschl, M.D., Essen, Germany

Tues. Dec. 3, #SSJ20-06, Incidence of Acute Kidney Injury with Exposure to Multiple Doses of Iodinated Contrast in Patients with Acute Ischemic Stroke, Xiao Wu, New Haven, Conn.


OTHER HIGHLIGHTS

ARTIFICIAL INTELLIGENCE
Thurs. Dec. 5, #AI262-SD-THA1, Determining Brain Age Using Machine Learning Combined with Automated Brain Segmentation and PET imaging In Normal, Alzheimer’s Disease and Mild Cognitive Impairment Subjects, Weidong Luo, Ph.D., San Diego, Calif.

CARDIAC
Tues. Dec. 3, #SSJ04-05, Diastolic Dysfunction in Competitive Male Triathletes with Myocardial Fibrosis following a Strenuous Endurance Exercise, Enver G. Tahir, M.D., Hamburg, Germany

GASTROINTESTINAL
Wed. Dec. 4, #GI417-SD-WEA10, Assessment of Liver Surface Nodularity, Sarcopenia and Visceral Obesity as Predictors of Cardiometabolic Risk Factors in African Americans, Elliot Varney, B.S., Jackson, Miss.

GENITOURINARY

HEALTH SERVICES, POLICY AND RESEARCH
Sun. Dec. 1, #HP201-SD-SUA2, Transcontinental Thematic Analysis of Gender Role in Medical Schools Leadership: A Message to Academic Radiology & Hospital Administration, Waleed Abdellatif, M.D., Vancouver, Canada

Tues. Dec. 3, #HP214-SD-TUA3, Is Hypnosis an Alternative to Pharmacologic Sedation for Claustrophobic Patients Undergoing MR Exams? A Retrospective Study, Nicole Ferrera Espinosa, Arogno, Switzerland


INFORMATICS
Tues. Dec. 3, #IN249-SD-TUB2, ROSA Robot Rehearsal: Utilizing 3D Printing to Facilitate the Integration of Robotic Stereotactic Assistance (ROSA) in Neurosurgery, Ritesh D. Patel, M.D., Manhasset, N.Y.
MOLECULAR IMAGING
Wed. Dec. 4, #SSK13-06, Glycosaminoglycan Remodeling of Lumbar Intervertebral Discs in Elite Rowers Throughout Their Annual Training Cycle, Miriam Frenken, Dusseldorf, Germany

MUSCULOSKELETAL
Sun. Dec. 1, #SSA14-04, Quantitative Assessment of Bone Marrow Adipose Tissue after Roux-en-Y Gastric Bypass Surgery in Postmenopausal Women, Kerensa, M. Beekman, M.D., Amsterdam, Netherlands

Mon. Dec. 2, #SSC09-06, Patients with Type 2 Diabetes Exhibit a More Mineralized Deep Cartilage Layer Compared to Nondiabetic Controls: A Pilot Study, Sarah C. Foreman, M.D., San Francisco, Calif.

Tues. Dec. 3, #SSJ16-06, Efficacy of Knee Unloader Bracing Evaluated with Quantitative MRI, Won C. Bae, Ph.D., La Jolla, Calif.


Wed. Dec. 4, #SSK14-01, Augmented Reality and Artificial Intelligence-Based Navigation during Percutaneous Vertebroplasty, Pierre Auloge, M.B.B.S., Reims, France

NEURORADIOLOGY
Sun. Dec. 1, #NR420-SD-TUA6, Automated Detection of Stroke on Non-contrast CT at Initial Presentation Using Texture Analysis and Machine Learning, Shanker Raja, M.D., Bellaire, Texas

Tues. Dec. 3, #SSJ20, Does the Carotid Artery Geometry Play a Role for the Stroke? Luca Saba, M.D., Cagliari, Italy


Tues. Dec. 3, #NR377-SD-TUA2, Wall Shear Stress Assessment Using Vector Flow Imaging Discriminates Between Subjects with and without Carotid Atherosclerosis in the Carotid Bifurcation, Feliciana Lamacchia, M.D., Rome, Italy

NUCLEAR MEDICINE
Sun. Dec. 1, #NM204-SD-SUB2, 18F-FDG PET/MRI of Patients with Chronic Pain Alters Management, Peter Cipriano, B.A., Stanford, Calif.

PHYSICS
Wed. Dec. 4, #PH260-SD-WEA5, Performance of a First Dark-Field Chest X-ray System on Patients, Konstantin Willer, Garching, Germany

VASCULAR/INTERVENTIONAL
Sun. Dec. 1, #SSA24-05, Efficacy of Thermal Ablation versus Stereotactic Radiotherapy for Stage I Lung Cancer: Subgroup Analyses Based on Tumor Histology, Johannes Uhlig, Goettingen, Germany
**HIGH-IMPACT CLINICAL TRIALS**


Sun. Dec. 1, #SPCT10C, *18F-FDG PET-MR Enterography in Predicting Histological Active Disease in Ulcerative Colitis: A Randomized Controlled Trial Using Nancy Index*, Yan Li, M.D., Essen, Germany


Sun. Dec. 1, #SPCT10G, *Imaging-guided Target Volume Reduction in Radiotherapy of Lung Cancer: The Prospective Randomized Multinational PET-Plan Trial*, Ursula Nestle, M.D., Ph.D., Monchengladbach, Germany