

— Oral Presentations —

— ORAL SESSION 1 —

- 3 **TI-RADS: Improving patient care or just a pain in the neck, a retrospective review**
Tyler Rogers, MS4
- 23 **Is routine follow-up chest radiography required in all patients following computed tomography-guided lung biopsy?**
Jared T Weinand, MD, PGY4
- 45 **Examining Patient Characteristics and Digital Breast Tomosynthesis Choice**
Louise Henderson, PhD
- 28 **Incidence of Reversible Superior Ophthalmic Vein Dilatation in Adult Patients with Trauma**
Joshua Schoen, MD, PGY4

— ORAL SESSION 2 —

- 4 **Comparison of Iterative Reconstruction and Post Reconstruction Deep Learning Noise Reduction Methods utilizing Philips Brilliance iCT 256 Phantom Data and Clinical Images**
Michael Winkler, MD
- 20 **Regionally Specific Efficiency Development of Brain Functional Networks in Infancy**
Weixiong Jiang, PhD
- 17 **The synthesis and evaluation of ⁶⁴Cu labeled Neurotensin Receptor antagonists for theranostic application**
Xinrui Ma, Graduate student
- 42 **Whole Body Skeletal Tomosynthesis Scanner Based on Carbon Nanotubes (CNT) X-ray Sources**
Diwash Thapa, MS4

— Poster Presentations —

- 2 **Evaluation of Coronary Artery Calcification using Gated Stationary Chest Tomosynthesis Through 4D Extended Cardiac-torso (XCAT) Phantom Simulation**
Umer Ahmed Sh, MS4
- 5 **Comparing the variability of two validated, quantitative breast density measures used in a community-based mammography registry across race and ethnicity**
Brianna D. Taffe, MPH
- 6 **Is Tele-guidance the Future for Rural Emergencies?**
Eric M Cal, MS3
- 7 **Factors Affecting Adverse Events after Venous Malformation Sclerotherapy: Single Vascular Anomalies Center Experience**
Kyung Rae Kim, MD
- 8 **Unsupervised cross-site functional MRI harmonization for automated brain disease identification**
Yuqi Fang, PhD
- 9 **Human brain atlases across a century of life**
Sahar Ahmad, PhD
- 10 **Use of Radiofrequency Tip Wire to Cross Ureteral Anastomotic Obstruction for Placement of Retrograde Nephroureteral Stent**
Venki Ramakrishnan, PGY5
- 11 **One institutions' experience with a true standard 15 mCi dose of I-131 for the treatment of Graves' Disease**
Mitchel Muhleman, MD
- 12 **Application of Strain-Promoted "Double Click" Reaction for PET Probe Construction**
Manshu Li, PhD
- 13 **Charting excitation-inhibition balance over the human lifespan**
Guoshi Li, PhD
- 14 **Dual Source Computed Tomography & Angiography Disparities In Georgia**
Michael Winkler, MD
- 15 **Understanding clinical progression of late-life depression to Alzheimer's disease over 5 years with structural MRI**
Lintao Zhang, PhD
- 16 **DAT: A domain adaptation toolbox for neuroimaging analysis**
Hao Guan, PhD
- 18 **Neural Flexibility as an effective biomarker to discern Attention-Deficit/Hyperactivity Disorder**
Weiyan Yin, PhD
- 19 **Superfast Spherical Mapping of Cortical Surface Meshes using Deep Unsupervised Learning**
Fenqiang Zhao, PhD

- 21 **Longitudinal development of regional cerebellar volumes during the first 800 days**
Ya Wang, MD
- 22 **Neural network on cortical surfaces for prediction of infant cognitive scores**
Jiale Cheng, PhD
- 24 **A Longitudinally-consistent Deep Framework for Joint Subcortical Segmentation and Registration of Infant Brains**
Liangjun Chen, PhD
- 25 **Four-dimensional Mapping of Dynamic Subcortical Development of Infant Brains**
Liangjun Chen, PhD
- 26 **Evaluation of paraspinous muscle signal fat fraction using chemical shift encoded MRI: Comparison with CT attenuation**
Clayton W. Commander, MD, PhD
- 27 **CT Fluoroscopy-Guided Percutaneous Direct type II Endoleak Embolization using n-BCA Glue**
Lourens du Pisanie, MD, PGY5
- 29 **Imaging utilization of acute trauma in a resource-poor setting: Analysis of the Malawi trauma surveillance registry**
Jordan Taylor, MD, PGY3
- 30 **Sarcopenia and Associated Imaging Biomarkers in Patients Undergoing Transjugular Intrahepatic Portosystemic Shunt Placement**
Vedang J. Patel, MS4
- 31 **Radiation Safety Education and Diagnostic Imaging in Pediatric Patients with Surgically Treated Hydrocephalus: The Patient and Family Perspective**
Diane M. Armao, MD
- 32 **Case Report: Pituitary adenoma associated with xanthogranuloma**
Peter Noone, MD
- 33 **Prevalence of exposures that modify breast density prior to breast cancer screening**
Ley A. Killeya-Jones, PhD
- 34 **Interactions between Bifidobacterium and Bacteroides and human milk oligosaccharides are associated with infant cognition**
Seoyoon Cho, MS, Graduate student
- 35 **Advanced MRI Imaging of the Ascending Auditory Pathway to Evaluate Hearing Loss**
Pirapat M. Rerkpattanapipat, MS2
- 36 **Healthy Eating Indices are associated with early cognitive and temperament development**
Jiarui Tang, Graduate Student
- 37 **The development and application of a cost-effective cervical spine phantom for use in fluoroscopically guided lateral C1-C2 puncture training**
Victoria Risner, MS3
- 38 **A retrospective chart review exploring lesion characteristics, treatment, and outcomes of adenoid cystic carcinoma of the breast**
Victoria Risner, MS3
- 39 **19F CENYA BEACONS magnetic resonance imaging parameter optimization**
Sang Hun Chung, PhD
- 40 **Association of Liver Reporting and Data System Treatment Response (LR-TR) and modified Response Evaluation Criteria in Solid Tumor (mRECIST) Classification Systems for Stereotactic Body Radiation Therapy (SBRT)-treated Hepatocellular Carcinoma (HCC) Lesions**
Diwash Thapa, MS4
- 41 **Transcatheter Fluoroscopic Embolization of Rabbit Fallopian Tube Using n-butyl-2-cyanoacrylate (NBCA): A Pilot Study for Non-Surgical Sterilization**
Diwash Thapa, MS4
- 43 **Charting normal knee cartilage thickness trajectories and localizing individual cartilage changes using data from the entire Osteoarthritis Initiative cohort**
Tengfei Li, PhD
- 44 **Lumps and Bumps around the Gallbladder Fossa: A potential LI-RADS pitfall**
Naishal Patel, MS4
- 46 **Predictors of Recommended Follow-up after a Positive Lung Cancer Screening Examination**
Louise M. Henderson, PhD
- 47 **Lung Cancer Screening In Individuals With And Without Lung-related Comorbidities**
Eman M. Metwally MD-PhD
- 48 **Uncommon Causes of Hemoptysis: A Post-surgical Case Study**
Stephen M. Himmelberg, MS4
- 49 **Clinical developments of a stationary head CT using CNT x-ray source arrays**
Alex Billingsley, Graduate student