

ICMRI 2022
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* As of October 15

Abstract No.	Poster Code/ Oral Code	Topic	Presentation Type	Abstract Title
2022_FA-004	P-MO-01	Molecular MRI	Poster (e-Poster)	Accurate Imaging Diagnosis of Glioblastoma based on CEST/Ultrasonography Dual-Modality Imaging
2022_FA-005	P-GU-01	Gynecology-Urology	Poster (e-Poster)	Radiographic Features and Differential Diagnosis of Benign and Malignant Ovarian Brenner Tumors
2022_FA-006	P-NR-02	Neuro	Poster (e-Poster)	Amplitude of Low-Frequency Fluctuation-Based Regional Radiomics Similarity Network: Biomarker for Parkinson's Disease
2022_FA-007	SS02-6	Neuro	Oral	Neuroimaging Biomarkers for Detecting Schizophrenia: A Resting-State Functional MRI-Based Radiomics Analysis
2022_FA-008	P-AD-01	Advanced MR imaging	Poster (e-Poster)	Global Signal Regression Improves Model Performance of Connectome-Based Predictive Modeling
2022_FA-009	P-NR-03	Neuro	Poster (e-Poster)	Multimodal Neuroimaging Data Reveal Intelligence-Specific Neurobiological Correlates
2022_FA-014	P-MO-02	Molecular MRI	Poster (e-Poster)	GABA as a Biomarker of the Lateralizing and Monitoring Therapeutic Effect in Patients with Magnetic Resonance Imaging-Negative Temporal Lobe Epilepsy
2022_FA-015	SS01-3	Neuro	Oral	Tract-Specific Association of Myelin Water Fraction with Cognitive Decline and Motor Dysfunction in Parkinson's Disease
2022_FA-023	P-AB-02	Abdomen	Poster (e-Poster)	Infliximab Response Associates with Radiologic Findings in Bio-Naive Crohn's Disease
2022_FA-024	P-GU-02	Gynecology-Urology	Poster (e-Poster)	Retained Products of Conception including Fetal Bone with Partial Uterine Rupture
2022_FA-025	P-GU-03	Gynecology-Urology	Poster (e-Poster)	Pelvic Cavity Parts MRI Examinations Differences, Optional Protocol and Technique: Experience in Hospital
2022_FA-027	SS02-8	Neuro	Oral	Dynamic Alterations in Spontaneous Neural Activity in Minimal Hepatic Encephalopathy
2022_FA-028	P-NR-18	Neuro	Poster	Altered Dynamic Functional Connectivity Density in Amyotrophic Lateral Sclerosis: A Resting-State Functional Magnetic Resonance Imaging Study
2022_FA-029	P-OT-01	Others	Poster (e-Poster)	Brain Tumor Detectability on the Radio Frequency-Shielding Effect; A Phantom Study
2022_FA-030	P-AD-02	Advanced MR imaging	Poster (e-Poster)	Zero Sequence TE (MR-BONE) in MRI: Use Applied to the Study of Bone Pathology
2022_FA-031	P-MS-02	Musculoskeletal	Poster (e-Poster)	A Magnetic Resonance Imaging based Kellgren-Lawrence Grading System for Osteoarthritis of the Knee and Its Clinical Association using the Knee Injury and Osteoarthritis Outcome Score
2022_FA-034	P-AD-03	Advanced MR imaging	Poster (e-Poster)	Basilar Artery Geometric and Hemodynamics Features Are Associated with Plaque Distribution: A High-Resolution MRI- and Patient-Based CFD Study
2022_FA-036	SS01-4	Neuro	Oral	Combined Midbrain Iron and Neuromelanin Sensitive MRI: Value Add in Radiological Evaluation of Parkinson's Disease
2022_FA-038	P-CV-03	Cardiovascular	Poster (e-Poster)	Relation of Left Atrial Mechanics with Myocardial Fibrosis and Hypertrophy in Patients with Nonobstructive Hypertrophic Cardiomyopathy
2022_FA-039	P-CV-04	Cardiovascular	Poster (e-Poster)	Epidermoid Cyst in the Atrial Septum: A Rare Entity with Unique Imaging Features
2022_FA-041	P-AD-06	Advanced MR imaging	Poster (e-Poster)	Quantitative Analysis of Multiple Sclerosis (MS) Lesion in Cervical Spinal Cord (CSC) using Ultrahigh-b DWI (UHb-DWI)
2022_FA-042	P-AD-07	Advanced MR imaging	Poster (e-Poster)	Quantitative Analysis of Wild Type (WT) and Shiverer (SHR) Mouse Spinal Cords using Ultrahigh-b DWI (UHb-DWI)
2022_FA-043	P-NR-06	Neuro	Poster (e-Poster)	High-Order Resting-State Functional Connectivity Network for Diagnosis of Schizophrenia
2022_FA-044	SY02-4	Abdomen	Oral	Diagnostic Values and Agreement of Gadoteric Acid-enhanced MRI and Dual Tracer PET/CT (18F-FDG and 11C-Acetate) in Hepatocellular Carcinoma
2022_FA-048	P-AD-08	Advanced MR imaging	Poster (e-Poster)	Application of Deep Learning in Echo Planar Imaging-Based Quantitative Susceptibility Mapping
2022_FA-049	P-AD-09	Advanced MR imaging	Poster (e-Poster)	Quantitative Susceptibility Mapping of Echo-Planar Imaging with a Zero Reference Regularization using Cerebrospinal Fluid
2022_FA-050	P-MS-04	Musculoskeletal	Poster (e-Poster)	Quantitative and Qualitative MR Analysis in Patellofemoral Instability: Case Report of Two Young Female Patients
2022_FA-051	SS01-5	Neuro	Oral	Characterization of Task-Residual Effective Connectivity in Motor Network of Transient Ischemic Attack using 7T fMRI-Spectral Dynamic Causal Modelling
2022_FA-055	P-AD-10	Advanced MR imaging	Poster (e-Poster)	Hippocampal Perfusion using a High-Resolution ASL Technique
2022_FA-056	P-MS-11	Musculoskeletal	Poster	Association between Magnetic Resonance Imaging Findings and Clinical Findings in Patients with Low Backache
2022_FA-057	P-MS-06	Musculoskeletal	Poster (e-Poster)	A Closer Look: Types of Osteosarcoma through Magnetic Resonance Imaging in Dr. Soetomo General Academic Hospital, Surabaya, Indonesia

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2022_FA-059	P-MS-07	Musculoskeletal	Poster (e-Poster)	Practical Importance of Long Bone Acute Injuries during MRI Fast Protocol
2022_FA-060	PP-ME-08	MR Engineering	Power Pitch (Printed Poster)	Magnetic Resonance Mediated Radio-Frequency Ablation using Pick-Up Wire Antenna at 3T
2022_FA-068	SY19-7	Musculoskeletal	Oral	Are 3D Image Sequences in Knee MRI Time Efficient than 2D Sequences?
2022_FA-069	P-GU-05	Gynecology-Urology	Poster (e-Poster)	MRI in Female Infertility
2022_FA-071	P-GU-06	Gynecology-Urology	Poster (e-Poster)	Evaluation of Anterior Male Urethral Strictures by MRUrethrography
2022_FA-072	P-GU-07	Gynecology-Urology	Poster (e-Poster)	Evaluation of Levator Hiatus by MRI
2022_FA-074	P-MS-08	Musculoskeletal	Poster (e-Poster)	Is MR Arthrography Superior to Conventional MRI in Knee Joint Pathologies?
2022_FA-075	SS02-7	Neuro	Oral	Disrupted Brain Network Connectivity in Social Anxiety Disorder: A Novel Individualized Structural Covariance Network Analysis
2022_FA-076	P-AB-08	Abdomen	Poster (e-Poster)	Is MR Superior or Complimentary to Colonoscopy in Colorectal Disease Evaluation?
2022_FA-080	P-NR-13	Neuro	Poster (e-Poster)	Dissociations in Cortical Morphometry and Structural Co-Variance in Social Anxiety Disorder
2022_FA-083	SY05-6	Musculoskeletal	Oral	MRI in Painful Wrist Joint
2022_FA-084	P-GU-08	Gynecology-Urology	Poster (e-Poster)	Can MR Urography Be an Alternate for CT Urography?
2022_FA-085	P-MS-09	Musculoskeletal	Poster (e-Poster)	Ambiguity in Vertebral Numbers on Sagittal Whole Spine MRI
2022_FA-087	P-NR-14	Neuro	Poster (e-Poster)	Emotional Intelligence and Brain: The Protective Role of Orbitofrontal Cortex against Depression and Anxiety is Mediated by Emotional Intelligence in Late Adolescence
2022_FA-089	P-MS-12	Musculoskeletal	Poster (Printed Poster)	Determining the Injury Rate of the Shoulder Joint using 1.5 Tesla Magnetic Resonance Imaging Tomography
2022_FA-090	P-NR-15	Neuro	Poster (e-Poster)	Pre-coronavirus Disease 2019 Brain Structure Prospectively Encodes Social Anxiety Aggravation during the Pandemic
2022_FA-091	P-MS-10	Musculoskeletal	Poster (e-Poster)	Morel-Lavallee Lesion on Proximal Medial Thigh: Case Report of 17 Years Old Patient
2022_FA-093	P-AD-13	Advanced MR imaging	Poster (e-Poster)	Artificial Intelligence based Brain Volumetric Analysis in Epilepsy on MRI
2022_FA-096	P-CV-06	Cardiovascular	Poster (e-Poster)	The Importance of Sex-Specific Normal Ranges in Classification of Female Mapping Values in Quantitative Parametric Mapping
2022_KA-004	P-NR-01	Neuro	Poster (e-Poster)	Structural Integrity Changes that Affect Limb Motor Function after Middle Cerebral Artery Infarction
2022_KA-005	SS02-2	Neuro	Oral	Prognostic Factors in Glioma with Leptomeningeal Metastases: A Comprehensive Analysis of Clinical, Molecular Factors and Treatment Modalities
2022_KA-008	P-BR-01	Breast	Poster (e-Poster)	Comparison of Ultrasound Features with Maximum Standardized Uptake Value Assessed by 18F-Fluorodeoxyglucose-Positron Emission Tomography/ Computed Tomography for Prognosis of Estrogen Receptor+/Human Epithelial Growth Factor Receptor 2- Breast Cancer
2022_KA-009	SY05-3	Musculoskeletal	Oral	MRI Differentiation of Extra-Articular Tenosynovial Giant Cell Tumors of Digits between Localized-Types and Diffuse-Types: Pathology Correlation
2022_KA-010	SS02-3	Neuro	Oral	Qualitative and Quantitative Imaging Phenotypes may Predict CDKN2A/B Homozygous Deletion Status in IDH-mutant Astrocytomas: A Multicenter Study
2022_KA-012	P-CV-01	Cardiovascular	Poster (e-Poster)	Temporal Change in Left Ventricular Function and Myocardial T1 Relaxation Times in Asymptomatic Individuals
2022_KA-014	P-NR-19	Neuro	Poster (Printed Poster)	Ophthalmological Complications following COVID-19 Vaccination
2022_KA-015	SS02-1	Neuro	Oral	Deep Learning of Dynamic Susceptibility Contrast Perfusion-Weighted Imaging to Predict the Local Recurrence in Glioblastoma Patients
2022_KA-019	SS02-4	Neuro	Oral	Predicting Local Recurrence in Glioblastoma Patients using Deep Learning of Dynamic Contrast-Enhanced MR Imaging
2022_KA-023	P-CV-02	Cardiovascular	Poster (e-Poster)	Quantitative Cardiac MRI Characteristics of Chemotherapy-Induced Cardiomyopathy and Their Prognostic Values in Cancer Patients: A Single-Center Retrospective Study
2022_KA-026	PP-ME-01	MR Engineering	Power Pitch (Printed Poster)	Stepped Spiral Leg (SSL) Birdcage RF Coil for NMR Imaging Applications
2022_KA-030	P-AB-01	Abdomen	Poster (e-Poster)	Association between Body Composition Contents and Hepatic Fibrosis in Sarcopenic Obesity
2022_KA-032	P-MS-01	Musculoskeletal	Poster (e-Poster)	Image Quality and Lesion Detectability of Deep Learning-accelerated DIXON Imaging in the Cervical Spine
2022_KA-033	SY18-2	Pediatric	Oral	Volumetric MRI Analysis for Response Evaluation of Plexiform Neurofibromas after Selumetinib Therapy in Patients with Neurofibromatosis Type I - Can It Be Simplified?

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2022_KA-037	P-NR-04	Neuro	Poster (e-Poster)	Necrotizing Primary Angiitis of the Central Nervous System Mimicking Brain Abscess
2022_KA-040	SY17-3	Chest	Oral	Identification of High-Risk Lung Adenocarcinoma through MRI-Based Radiomic Approach
2022_KA-042	P-GU-04	Gynecology-Urology	Poster (e-Poster)	Differences in Diagnostic Accuracy of Ovarian-Adnexal Reporting and Data System between US and MRI Risk Stratification Systems: A Systematic Review and Meta-Analysis
2022_KA-043	P-AB-03	Abdomen	Poster (e-Poster)	Diagnostic Performance of CT and MRI Liver Imaging Reporting and Data System Version 2018 for Hepatocellular Carcinoma: An Updated Meta-Analysis
2022_KA-052	PP-ME-02	MR Engineering	Power Pitch (e-Poster)	Accelerated DeepRF using Optimal Control
2022_KA-054	P-AD-04	Advanced MR imaging	Poster (e-Poster)	Application of Susceptibility Source Separation (χ -separation) to UK Biobank Protocol and Clinical Protocol using Deep Neural Network
2022_KA-055	PP-ME-03	MR Engineering	Power Pitch (e-Poster)	Coil2Coil: Self-Supervised MR Image Denoising using Phased-Array Coil Images
2022_KA-057	SS01-1	Neuro	Oral	A Backward-Computational Method for Estimating Brain-Age as a Biomarker of Cognitive Impairment
2022_KA-059	SY02-5	Abdomen	Oral	Improved Acquisition of Gadodotate-Enhanced Dynamic Liver Magnetic Resonance Imaging with Deep Learning Reconstruction
2022_KA-063	SS03-1	Advanced MR imaging	Oral	Sequence Search: Neural Architecture Search based MRI Sequence Design for Contrast
2022_KA-064	P-CH-01	Chest	Poster (e-Poster)	Stepwise Approach to Anterior Mediastinal Cystic Lesions with MRI and Further Management
2022_KA-065	P-NR-05	Neuro	Poster (e-Poster)	Early Detection of Alzheimer's Disease based on Automated Volumetry of Hippocampal Subfields in Postmenopausal Women
2022_KA-066	SY18-3	Pediatric	Oral	Myelin Water Fraction Map using Artificial Neural Networks with 3D Multi-Echo Gradient Echo Sequence
2022_KA-067	P-AD-14	Advanced MR imaging	Poster (Printed Poster)	Harmonic Field Extension using Physics-Informed 3D Generative Adversarial Network for QSM with Reduced Spatial Coverage
2022_KA-068	SS03-2	Advanced MR imaging	Oral	Chi-Sepnet-R2*: Single-Scan X-Seperation without R2' using Deep Learning
2022_KA-071	P-AD-05	Advanced MR imaging	Poster (e-Poster)	Resolution Independent Neural-Network based QSM Reconstruction using QSMnet Trained at a Single Resolution
2022_KA-074	SS01-8	Neuro	Oral	Altered Vascular Permeability in Autoimmune Encephalitis: Region-Based Evaluation with Dynamic Contrast-Enhanced MRI and Automatic Whole Brain Segmentation
2022_KA-075	P-AD-15	Advanced MR imaging	Poster (Printed Poster)	Harmonization of Structural MRI with 3D cycleGAN
2022_KA-078	SY19-5	Musculoskeletal	Oral	Feasibility of Deep Learning Reconstruction for Accelerated Fat-Suppressed TSE Sequences in Knee MRI: Comparison with Conventional Fat-Suppressed TSE Sequence
2022_KA-080	SY19-6	Musculoskeletal	Oral	Diffusion Tensor Imaging of the Tibial Nerve at Knee Joint Level Detect Diabetic Peripheral Neuropathy
2022_KA-081	P-NR-07	Neuro	Poster (e-Poster)	Castelman's Disease Presenting a Single Neck Mass without Long-Term Interval Change: A Case Report
2022_KA-082	SY17-4	Chest	Oral	Effect of Deep Learning Reconstruction for Zero TE Lung MR Imaging on Image Quality and Lesion Detection
2022_KA-083	SY05-4	Musculoskeletal	Oral	Diagnosis of Calcific Tendinitis of Shoulder with Zero Echo Time MR Sequence Comparing Radiography and Conventional MR Sequences
2022_KA-084	SY19-4	Musculoskeletal	Oral	Evaluation of Image Quality and Diagnosis of Cervical Myelopathy using Cervical Spine MRI with Deep Learning-Based Reconstruction
2022_KA-086	P-AB-05	Abdomen	Poster (e-Poster)	Prospective Intraindividual Comparison of MRI with Extracellular Contrast Agent and Hepatobiliary Agent for Noninvasive Diagnosis of Hepatocellular Carcinoma using the Korean Liver Cancer Association-National Cancer Center 2022 Criteria
2022_KA-087	SS03-3	Advanced MR imaging	Oral	Vascular Heterogeneity Model-based Deep Learning Reconstruction for High-Definition Dynamic Contrast Enhanced MRI
2022_KA-088	P-AB-11	Abdomen	Poster (e-Poster)	Comparison of Magnetic Resonance Imaging (MRI) Characteristics of Hepatocellular Carcinoma (HCC) based Underlying Liver Disease
2022_KA-089	P-OT-02	Others	Poster (e-Poster)	Total Sleep Duration and Risk of Type 2 Diabetes: Literature Review-Based on Clinical and Epidemiological Studies
2022_KA-091	SS03-4	Advanced MR imaging	Oral	Generalized Self-Calibrating Aliasing-Controlled Simultaneous Multi-Slice MR Image Reconstruction from 3D Fourier Encoding Perspective
2022_KA-092	P-NR-08	Neuro	Poster (e-Poster)	Acute Spinal Cord Infarction Diagnosed by Repeated Spine Diffusion-Weighted Imaging
2022_KA-093	SS01-7	Neuro	Oral	Rapid High-Resolution Whole-Brain Diffusion MRI at 3T using 3D Single-Slab Echo Planar Imaging
2022_KA-094	PP-ME-04	MR Engineering	Power Pitch (e-Poster)	Physics-Informed Model-Based Reconstruction and Direct Parameter Estimation for Chemical Exchange Saturation Transfer Magnetic Resonance Imaging
2022_KA-095	P-CV-07	Cardiovascular	Poster (Printed Poster)	Deep Learning based Cardiac Amyloidosis Diagnosis from LGE Magnitude Image

Abstract No.	Poster Code/ Oral Code	Topic	Presentation Type	Abstract Title
2022_KA-096	P-MO-03	Molecular MRI	Poster (Printed Poster)	High Tesla MR/PET Imaging as a Preclinical Research Tool for Non-Invasive Evaluation of Gastric Cancer
2022_KA-098	P-AD-16	Advanced MR imaging	Poster (Printed Poster)	Robust Resolution Improvement of UTE-MR Angiogram using 3D Super-Resolution Generative Adversarial Network
2022_KA-099	P-NR-09	Neuro	Poster (e-Poster)	Observing Nigral Hyperintensity in Monkey
2022_KA-101	P-NR-20	Neuro	Poster (Printed Poster)	Diffusion Tensor Image Assessment in Mild Cognitive Impairment Patients with Neuropsychological Tests
2022_KA-104	SY17-5	Chest	Oral	Identification of Emphysema using 3D Ultrashort Echo-Time Imaging with Ventilation Function Map
2022_KA-105	P-AB-06	Abdomen	Poster (e-Poster)	LI-RADS Category on MRI Predicts Recurrence of Intrahepatic Cholangiocarcinoma after Surgery: A Multicenter Study
2022_KA-106	P-MO-04	Molecular MRI	Poster (Printed Poster)	The Feasibility Study of Glutathione (GSH) – Sensitive ParaCEST MR Contrast Agent as a New Indicator of Alzheimer's Disease (AD) Diagnosis
2022_KA-108	P-AD-17	Advanced MR imaging	Poster (Printed Poster)	Effects of Myelin Volume Fraction and Myelin Sheath Thickness on R2 Values in the Aged Rat Corpus Callosum
2022_KA-112	P-CV-08	Cardiovascular	Poster (Printed Poster)	Automatic Setting of Cross Reference using Synthetic 4-Chamber View Image in CINE Analysis
2022_KA-114	SS02-5	Neuro	Oral	Three-Dimensional Fractal Analysis for Prediction of TERT Promoter Mutation Status in Grade 2 Meningioma
2022_KA-115	P-AB-12	Abdomen	Poster (e-Poster)	Small Intrahepatic Vessels Affect the Result of Hepatic Fibrosis Measured by Two-Dimensional Magnetic Resonance Elastography
2022_KA-116	PP-ME-05	MR Engineering	Power Pitch (e-Poster)	Cross Vendor Harmonization using Paired Dataset based CycleGAN
2022_KA-117	P-OT-04	Others	Poster (Printed Poster)	Breast Tumor Segmentation using U-Net with ResNet34 Encoder
2022_KA-119	SS03-5	Advanced MR imaging	Oral	In Vivo Rat Model Demonstration of Membrane Potential Dependent MR Parameters
2022_KA-120	P-MS-05	Musculoskeletal	Poster (e-Poster)	Guideline of Region-of-Interest (ROI) Location for Reliable ADC Value in the Soft Tissue Tumors
2022_KA-121	P-BR-02	Breast	Poster (e-Poster)	Metastasis to the Uterine Cervix and Endometrial Stroma due to Breast Cancer with Underlying Multiple Primary Malignant Neoplasms
2022_KA-122	P-CV-09	Cardiovascular	Poster (Printed Poster)	Hybrid Segmentation Method of LV/RV in CINE Cardiac MRI with Deep learning and Optical flow
2022_KA-123	P-CV-10	Cardiovascular	Poster (Printed Poster)	Enhanced Synthetic LGE Reducing Background Artifacts
2022_KA-125	P-BR-03	Breast	Poster (e-Poster)	MRI and Multimodality Imaging of Male Breast Lesions
2022_KA-127	P-AD-18	Advanced MR imaging	Poster (Printed Poster)	Parallel MRI Reconstruction using Deep Learning-Based Method based on Neumann Network
2022_KA-128	P-BR-04	Breast	Poster (e-Poster)	Postoperative Breast MRI after Mastectomy with Flap Reconstruction: Newly Developed Enhancing Lesions
2022_KA-129	P-BR-05	Breast	Poster (e-Poster)	Recurred Breast Cancer after Post-Breast Conserving Surgery with Megaderm Reconstruction
2022_KA-130	P-ME-03	MR Engineering	Poster (Printed Poster)	Computational Study of Aortic Stent in Blood Vessels during Magnetic Resonance Imaging
2022_KA-131	P-MO-05	Molecular MRI	Poster (Printed Poster)	High-Resolution Monitoring of the Edematous Tumor Tissue from the Tumor Xenograft Mouse Model via 9.4T DWI-MRI
2022_KA-132	P-CV-05	Cardiovascular	Poster (e-Poster)	Variable-Density Velocity-Selective Preparation for Non-Contrast-Enhanced MR Angiography
2022_KA-133	PP-ME-06	MR Engineering	Power Pitch (e-Poster)	Optimization of Velocity Selective Preparation Pulse for Non-Gadolinium-Enhanced Neck MR Angiography
2022_KA-136	SS03-6	Advanced MR imaging	Oral	Multi-Scanner MR Harmonization based on Deep Neural Networks with Physics Information
2022_KA-137	PP-ME-07	MR Engineering	Power Pitch (e-Poster)	Installation and Status of 11.74T MRI, the World's Strongest Magnetic Field Human MRI
2022_KA-138	P-ME-01	MR Engineering	Poster (e-Poster)	Comparison of Multi-Channel RF Coils using 16ch, 8ch, and 4ch at 11.7T MRI System
2022_KA-139	P-ME-04	MR Engineering	Poster (Printed Poster)	Water Content Estimation based on T1 by using Machine Learning
2022_KA-140	P-ME-05	MR Engineering	Poster (Printed Poster)	Correlation between Relaxation Time T1 and Complex Permittivity
2022_KA-141	P-ME-06	MR Engineering	Poster (Printed Poster)	Use of Double Tuned Patch Antenna Array for Neck Hyperthermia
2022_KA-142	P-ME-07	MR Engineering	Poster (Printed Poster)	Measurements of the Electrical Properties and T1 of Manganese at 300 MHz for 7T MRI

Abstract No.	Poster Code/ Oral Code	Topic	Presentation Type	Abstract Title
2022_KA-143	PP-ME-09	MR Engineering	Power Pitch (Printed Poster)	Geometrical Decoupling using Clip-Path Conductor for 7T RF Coil Array Design
2022_KA-144	P-AD-19	Advanced MR imaging	Poster (Printed Poster)	Fast Parameter Estimation without Pre-Computation using Active Learning and Normalizing Flow
2022_KA-146	SS03-7	Advanced MR imaging	Oral	Flow-Suppression Technique using 2D Spin-Echo Sequence with Hyperbolic-Secant Pulses
2022_KA-147	P-NR-10	Neuro	Poster (e-Poster)	Association between the Alteration of Spontaneous Brain Activity and Symptom Reduction in Patients with Obsessive-Compulsive Disorder after Acceptance and Commitment Therapy: A Resting-State fMRI Study
2022_KA-149	P-NR-11	Neuro	Poster (e-Poster)	Spontaneous Brain Activity Associated with Depression on Traumatic Spinal Cord Injury: A Resting-State fMRI Study
2022_KA-150	P-NR-22	Neuro	Poster (Printed Poster)	Deep Learning-Based Alzheimer's Disease Classification Model using T1-Weighted Images and Clinical Information
2022_KA-151	P-NR-23	Neuro	Poster (Printed Poster)	The Deep Learning Prediction Model for Conversion from MCI to AD in Brain MRI
2022_KA-152	P-OT-05	Others	Poster (Printed Poster)	Automatic Quantification of Enlarged Perivascular Spaces in MRI using Deep Learning
2022_KA-153	P-NR-21	Neuro	Poster (Printed Poster)	Evaluation of Deep Learning-Based Alzheimer's Disease Prediction Models in MRI
2022_KA-154	SS03-8	Advanced MR imaging	Oral	Interim Results of a Prospective Study on the Utility of MR Conductivity Imaging to Decrease False-Positive Biopsy Caused by Breast Ultrasound: Comparison with Abbreviated Breast MRI and Diffusion-Weighted Imaging
2022_KA-155	P-ME-02	MR Engineering	Poster (e-Poster)	The Study on the Optimization of Block-Matching & 3D Filtering Algorithm in Simulated Magnetic Resonance Image
2022_KA-156	P-NR-12	Neuro	Poster (e-Poster)	The Alteration in the Cognitive Brain Area Related to the Change in Hardness of Mastication Material
2022_KA-158	SY18-4	Pediatric	Oral	Monitoring Posterior Cerebral Perfusion Changes through Dynamic Susceptibility Contrast-Enhanced Perfusion MRI in Children with Moyamoya Disease
2022_KA-159	SS01-6	Neuro	Oral	Cerebral Microbleed Detection using a Deep Learning Segmentation Model in Susceptibility Weighted Images
2022_KA-160	P-AD-20	Advanced MR imaging	Poster (Printed Poster)	Manganese-Enhanced MRI Study of Observational Fear Learning
2022_KA-163	SY05-5	Musculoskeletal	Oral	Magnetic Resonance Imaging Findings after Lumbar Intradiscal Electrothermal Therapy (IDET); Comparison of Aseptic and Septic Spondylodiscitis
2022_KA-164	SY02-6	Abdomen	Oral	Differentiation of Intra-Pancreatic Accessory Spleen from a Small
2022_KA-165	P-ME-08	MR Engineering	Poster (Printed Poster)	A Preclinical Confirmation of Brain Tissue Damage Occurrence through Transcranial Electrical Stimulation by Magnetic Resonance and Histological Imaging
2022_KA-166	P-NR-24	Neuro	Poster (Printed Poster)	Psycho-Physiological Interaction Analysis in Anger Regulation
2022_KA-168	P-MO-06	Molecular MRI	Poster (Printed Poster)	Hypoxia-Responsive Dual Contrast Agent for Tumor Diagnosis
2022_KA-169	P-AD-21	Advanced MR imaging	Poster (Printed Poster)	Automatic Detection of New Multiple Sclerosis Lesions in Longitudinal MRI using Multi-Stage 3D Patch-Wise Deep Learning Algorithm
2022_KA-170	P-OT-06	Others	Poster (Printed Poster)	Development of Para-Hydrogen Gas Generator and Measurement of Generated Para-Hydrogen Gas
2022_KA-171	SS01-2	Neuro	Oral	Prediction of Cognitive Decline within 3 Years based on Artificial Intelligence using Multi-Modal Neuroimaging Features
2022_KA-172	P-BR-06	Breast	Poster (e-Poster)	Mri Findings of Post Surgical Breast
2022_KA-173	P-AB-09	Abdomen	Poster (e-Poster)	Microenvironment of Nonalcoholic Fatty Liver Promotes Hepatocellular Carcinoma Growth with Magnetic Resonance Imaging
2022_KA-174	PP-ME-10	MR Engineering	Power Pitch (Printed Poster)	Safety Considerations of 7T MRI: What Are the Specific Risks of Patient Positioning inside the Coil?
2022_KA-175	SS03-9	Advanced MR imaging	Oral	Glios Imaging using Multi-Compartment Diffusion MRI for Neuropathic Pain
2022_KA-176	P-MO-07	Molecular MRI	Poster (Printed Poster)	DO3A-Based Gadolinium Complex Conjugated with Polyphenol as a Theragnostic Agent for Neuroinflammation
2022_KA-177	P-AD-22	Advanced MR imaging	Poster (Printed Poster)	Synthesizing Delayed Post Contrast Heavily T2-Weighted MR for Inner Ear Evaluation via Deep Learning Model
2022_KA-178	P-MO-08	Molecular MRI	Poster (Printed Poster)	Gadolinium Complex of Pyclyen-Cyclohexane-A Conjugate as Liver Diagnostic Agents
2022_KA-179	P-AD-23	Advanced MR imaging	Poster (Printed Poster)	Automatic Segmentation and Assessment Method for QSM-Based Oxygen Metabolism Analysis in the Superior Sagittal Sinus
2022_KA-180	P-NR-25	Neuro	Poster (Printed Poster)	A Validation Study of the New Automated Software for Brain MRI Volumetry Analysis
2022_KA-181	P-BR-07	Breast	Poster (Printed Poster)	Prediction of Breast Cancer Recurrence using Radiomics and Pre-Trained Deep Features

Abstract No.	Poster Code/ Oral Code	Topic	Presentation Type	Abstract Title
2022_KA-182	P-GU-09	Gynecology-Urology	Poster (e-Poster)	MR Imaging for Ectopic Pregnancy
2022_KA-183	P-AD-11	Advanced MR imaging	Poster (e-Poster)	Multi-Shot Simultaneous Multi-Slab Spatiotemporal Encoding
2022_KA-186	P-GU-10	Gynecology-Urology	Poster (e-Poster)	T2 Hypointense Focal Lesions at Posterior Midline Peripheral Zone Followed by Subsequent MRI-Guided Target Biopsy
2022_KA-187	P-AD-24	Advanced MR imaging	Poster (Printed Poster)	The Effect of Acute Stress on Correlation between Brain Metabolites Associated with the Krebs Cycle: Proton Magnetic Resonance Spectroscopy Study
2022_KA-188	P-CH-02	Chest	Poster (Printed Poster)	Generative Adversarial Network based Enhanced MR Image for Detection Ground Glass Opacity
2022_KA-189	P-OT-03	Others	Poster (e-Poster)	Cell Swelling Induces Measurable Changes in T2 Relaxation Time and PSR
2022_KA-190	P-AD-12	Advanced MR imaging	Poster (e-Poster)	Automatic Segmentation of Brain-Feeding Arteries on Neck Phase-Contrast MRI using Deep Neural Network
2022_KA-191	P-AD-25	Advanced MR imaging	Poster (Printed Poster)	Resolution Dependency Study of Cerebral Blood Volume and Vessel Size Index
2022_KA-192	PP-ME-11	MR Engineering	Power Pitch (Printed Poster)	Helmholtz Tx Coil with Integrated Rx Array for Spine MR Imaging at 7T
2022_KA-193	PP-ME-12	MR Engineering	Power Pitch (Printed Poster)	A Dedicated 4-ch Receive Array Coil for Cynomolgus Macaque Brain MRI at 3T
2022_KA-194	P-ME-09	MR Engineering	Poster (Printed Poster)	Development of 7T Multi-Object Imaging Coils for Avian Embryo Models
2022_KA-195	P-NR-16	Neuro	Poster (e-Poster)	Ultra-High Field 7T MRI Detects the Iron Accumulation in Patients with Amyotrophic Lateral Sclerosis: Whole Brain MRI with Quantitative Susceptibility Mapping with
2022_KA-197	P-AB-10	Abdomen	Poster (e-Poster)	KLCA-NCC 2018 versus 2022 Criteria: Noninvasive Diagnosis of Hepatocellular Carcinoma on MRI with Extracellular Contrast and Hepatobiliary Agents
2022_KA-199	P-MO-09	Molecular MRI	Poster (Printed Poster)	A Newly Synthesized Polyphenol Derivative as a Gadolinium MR Theragnostic Agent with Anti-Inflammatory and Antioxidant Effects
2022_KA-200	P-NR-17	Neuro	Poster (e-Poster)	Altered Brain Activity and Neural Correlation on Working Memory Process in Organic-Solvent Exposure: A fMRI Study
2022_KA-201	P-AD-26	Advanced MR imaging	Poster (Printed Poster)	Orientation Dependence Analysis of Susceptibility Source Separation by χ -sepnet
2022_KA-202	SY18-5	Pediatric	Oral	Development and Evaluation of Deep Learning-Based Automatic Segmentation Model for ZTE Skull MRI in Children