— 3D Facial Surface Imaging in Dentistry and Beyond

— Aortic Annulus Detection based on Deep Learning for Calcium Analysis of Patients for Transcatheter Aortic Valve Replacement in Dual-energy Cardiac Computed Tomography

— Kernel Smoothing-based Probability Contours for Tumour Segmentation

— Exploiting Semantic Segmentation For Efficient CTA Bone Segmentation

— Model training using Active Learning and Data Augmentation for limited and large histological datasets

— Automated pipeline for deep learning segmentation of multiple organs and extraction of radiomics features

— Quality measures of CTV delineation for irradiation planning of head and neck cancers for conformity with expert guidelines

— Interpretability of Machine Learning in Mammography Image Quality Assessment

— VertXNet: Automatic Segmentation and Identification of Lumbar and Cervical Vertebrae from Spinal X-ray Images

— Improving scalability of semi-automated medical segmentations using uncertainty estimations

— Using Smartphones in Image-Based Medical Diagnosis

— Unet-Based Segmentation for Individual Bones in radiation therapy planning CT scans for Head & Neck region

— Early diagnosis of Alzheimer's Disease using Deep Feature Extraction of Clinical and Neuroimaging Data

— ICOS Protein Expression Segmentation: Can Transformer Networks Give Better Results?

— Combining Attention Mechanisms for Polyps Segmentation in Endoscopy Images

— Irregularity Recognition of Tumor Border in Ultrasound Thyroid Scans Without Segmentation

— Scratch Assay Image Analysis Automation

— Impact of Convolutional Layer Filters' Instability on Robustness of Classification Decisions for Tumour Diagnosis from Ultrasound Images

— Breast Calcification Segmentation and Quantification in Mammography using Double UNET and DBSCAN

— CNN-augmented Multichannel Chan-Vese Segmentation

— Diagnosis of Autism Based on Functional Brain Connectivity using DeepGCN Approach

— Neural Network-Based Left Ventricle Geometry Prediction from CMR Images

— Automated Quality Control of Chest X-Rays

— Cortical Grey Matter Diffusion Alterations Found in Bipolar Disorder and Major Depressive Disorder within the UK Biobank Imaging Study

— Modelling Patient Specific Inter-Fractional Anatomical Changes During Radiotherapy Treatment

— Empirical Study of Quality Image Assessment for Synthesis of Fetal Head Ultrasound Imaging with DCGANs

— Domain Generalization in Colorectal Image Classification using Self-supervised Contrastive Learning