

Poster presentations utilizing Aiforia® Platform at USCAP 2024

Topic	Presenter	Corresponding author
Machine Learning Model of Grading and Staging of Metabolic Dysfunction-associated Steatohepatitis Using Trichrome	Byoung Uk Park, MD Mayo Clinic Rochester, MN, United States	Roger K. Moreira, MD Mayo Clinic Rochester, MN, United States
Artificial Intelligence Model for Combined Predictive Score Interpretation of PDL-1 22C3 Clone in Triple Negative Breast Carcinoma	Fnu Sonam, MBBS Mayo Clinic Jacksonville, FL, United States	Miglena K. Komforti, DO Mayo Clinic Jacksonville, FL, United States
Artificial Intelligence-based Evaluation of Prognostic Histopathologic Features in Hepatocellular Carcinomas	Ameya P. Patil, MD Mayo Clinic Rochester, MN, United States	Roger K. Moreira, MD Mayo Clinic Rochester, MN, United States
Development of an Artificial Intelligence Model to Aid in Determination of Invasion in Pulmonary Adenocarcinoma	Jennifer M. Boland Froemming, MD Mayo Clinic Rochester, MN, United States	Marie-Christine Aubry, MD Mayo Clinic Rochester, MN, United States
Quantification of Eosinophils in Normal Upper Gastrointestinal Tract Biopsies Using an Artificial Intelligence Model	Rofyda Essam Elhalaby, MBBCh, MSc Mayo Clinic Rochester, MN, United States	Catherine Hagen, MD Mayo Clinic Rochester, MN, United States
Establishing Cutoff Values for Increased Eosinophils in Gastrointestinal Tract Biopsies Using an AI Algorithm	Rofyda Essam Elhalaby, MBBCh, MSc Mayo Clinic Rochester, MN, United States	Catherine Hagen, MD Mayo Clinic Rochester, MN, United States
Effect of Colorectal Cancer Tumor Heterogeneity on Quantitative Digital Analysis and Risk Stratification using QuantCRC AI-Algorithm	Chirag R. Patel, MD Mayo Clinic Scottsdale, AZ, United States	Rish K. Pai, MD, PhD Mayo Clinic Scottsdale, AZ, United States
Digital quantitation of iron in liver tissue: a simple artificial intelligence model	Basma Elhaddad, MBBS Mayo Clinic Florida Jacksonville, FL, United States	Bryan J. Dangott, MD Mayo Clinic Jacksonville, FL, United States
Comparison of Artificial Intelligence and Manual Estimation Scores for Bone Marrow Cellularity	Bryan J. Dangott, MD Mayo Clinic Jacksonville, FL, United States	Liuyan (Jennifer) Jiang, MD Mayo Clinic Florida Jacksonville, FL, United States
Cardiac Sarcoidosis Versus Cardiac Involvement by Systemic Sarcoidosis: Are they different?	Philip D. Hurst, MD Mayo Clinic Rochester, MN, United States	Melanie C. Bois, MD Mayo Clinic Rochester, MN, United States
Using artificial intelligence to perform spatial gene expression profiling of colorectal carcinoma using a novel, high resolution, ink-based on-slide printing technology from Quantumcyte, QCPRECISE!(TM)	John Butler, MS, Bsc My Institution Is Not Listed	Rish K. Pai, MD, PhD Mayo Clinic Scottsdale, AZ, United States
Quantification of Tumor Infiltrating lymphocytes (TILs) in Melanoma Using Artificial Intelligence: Potential for New Grading Schemes to Predict Outcome	Rofyda Essam Elhalaby, MBBCh, MSc Mayo Clinic Rochester, MN, United States	Christopher P. Hartley, MD Mayo Clinic Rochester, MN, United States
AI-quantification of Tumor Infiltrating Lymphocytes Reveals Prognostically Significant Associations in HPV-positive and HPV-negative Head and Neck Squamous Cell Carcinoma Cohorts	Andrew Cannon, MD, PhD Mayo Clinic Byron, MN, United States	Christopher P. Hartley, MD Mayo Clinic Rochester, MN, United States
Tumor Cell and Tumor Infiltrating Lymphocyte Detection on H&E Whole Slide Images of Gastroesophageal Adenocarcinoma: Clinicopathologic and Genomic Correlations	Priyadharshini Sivasubramaniam, MBBS Froedtert and the Medical College of Wisconsin Menomonee falls, WI, United States	Christopher P. Hartley, MD Mayo Clinic Rochester, MN, United States
Use of Deep Learning Algorithms to Predict the Risk of Concurrent and Future Endometrial Endometrioid Carcinoma from Biopsies Showing Well Differentiated Endometrial Glandular Proliferations	Debra A Bell, MD Mayo Clinic, United States	Thomas J. Flotte, MD Mayo Clinic, United States
Creating a Deep Learning-Based Morphologic Microglial Classifier to Analyze Microglial Heterogeneity in Human Alzheimer's Disease	Hannah Haberecht, BS Mayo Clinic Rochester, MN, United States	Aivi T. Nguyen, MD Mayo Clinic Rochester, MN, United States