PATHOLOGY VISIONS 23

POSTER SESSION 1 | MONDAY, OCT 30 | 8:30 AM - 12:45 PM		
SESSION	**POSTER #**	**POSTER TITLE**
1	1	Synthetic cytology images of diagnostic quality by a stable diffusion model for trainee education
1	2	The Utility of Artificial Intelligence in a Binary Classification of Soft Tissue Tumors
1	3	AI-Based Quantification of Tumor-Infiltrating Lymphocytes in High-Grade Serous Ovarian Cancer: A Comparative Study
1	4	An international comparative study of 116 pathologists: AI improves inter-rater reproducibility of Ki67 scoring in breast cancer
1	5	Comparison between glass coverslipped slides versus tape coverslipped slides for digital pathology workflow
1	6	Artificial Intelligence/Computer-Aided Detection of Meningioma Mitosis Using YOLO Deep Learning Algorithm: A Feasibility Study
1	7	Harnessing AI to Illuminate the Tumor Microenvironment: A Novel Workflow for Neoplastic Cell Detection in Whole Slide Images
1	8	Development & validation of an AI-based workflow for clinical scoring of HER2, ER, PR & Ki67 immunohistochemistry (IHC) in breast cancer tissue
1	9	Redundancy Reduction in WSI Patch Selection Guided by Unsupervised Anomaly Detection
1	10	Bridging the Clinical-Computational Divide
1	11	Structured Evaluation of Large Language Model (LLM) Outputs as a Tool for Pathology Education: An Emerging Novel AI Paradigm
1	12	Digital Image Analysis as a Clinical Decision Support System for Diagnosing Acute Leukemia: A Systematic Review and Meta-analysis
1	13	A Pathology of Digitization in Digital Pathology - Scanner Color Standardization and QA
1	14	Seeing the Whole Picture: A Comparative Analysis of Digital Pathology Whole Slide Scanners
1	15	Comparison of trichrome Positive Pixel Count and pathologist scoring for assessment of histologic liver fibrosis in children and young adults
1	16	Digital Pathology Advancing PD-L1 Expression Scoring in Pancreatic Ductal Adenocarcinoma
1	17	AI-assisted mitosis counting in breast cancer - A large-scale validation study
1	18	The Experience of Introducing Telepathology in Mongolia
1	19	Quality control detection of out-of-focus patches in digital pathology
1	20	Synthetic DOmain-Targeted Augmentation (S-DOTA) Improves Model Generalization in Digital Pathology
1	21	Tissue identification in histopathology images in nonclinical toxicologic pathology workflows
1	22	A Comparison of Scanner Image Quality for use in Hematopathology Applications
1	23	Large Scaled Digital Pathology Clinical Operations for Precision Medicine - Reflection and Aspiration

POSTER SESSION 2 | MONDAY, OCT 30 | 2:45 - 7:00 PM		
SESSION	**POSTER #**	**POSTER TITLE**
2	**1**	Validating an AI-based analytic tool for IHC staining QA: precision studies of the digital pathology pipeline.
2	**2**	Spatial multiplexing of protein biomarkers for immune cell profiling of the tumor microenvironment with ChipCytometry
2	**3**	Cell lines are non-inferior to tonsil as controls for Ki-67 assays when measured by image analysis
2	**4**	Multiple Instance Learning for Whole Slide Image-level Diagnosis of Metastatic Breast Carcinoma in Pleural Fluid
2	**5**	HER2 status score discrepancy between with Dako HercepTest (poly) and Ventana Pathway 4B5 anti-HER2 assay: A pitfall that is more prominent in digital pathology
2	**6**	Leveraging artificial intelligence to detect malignancy in breast cancer
2	**7**	The Path to Unprecedented Excellence: Redefining Pathology Education through Ace My Path Surgical Pathology Reimagined
2	**8**	Feature vectors and metadata standards for large-scale WSI archives
2	**9**	A Deep Convolutional Neural Network in Predicting Tumor Recurrence in Head and Neck Squamous Cell Carcinoma
2	**10**	Deep learning-based detection of ovarian cancer from peritoneal fluid cytology
2	**11**	Assessing the Practicability of Artificial Intelligence-Assisted Digital Urine Cytology in Diagnosing Bladder Cancer in Clinical Practice
2	**12**	Unlocking a hospital system's proprietary LIS and enabling Enterprise Imaging for non-whole slide imaging pathology data
2	**13**	A Novel Deep Learning Model for Predicting Lymph Node Metastasis in Breast Cancer Using Unannotated Whole Slide Images
2	**14**	An Update on the Artificial Intelligence (AI) algorithms for Prostate Cancer Diagnosis
2	**15**	Towards accurate detection of liver fibrosis in children and young adults using the CLAM deep learning pipeline
2	**16**	Automating visual analysis in pathology labs: leveraging machine learning for efficient tissue grossing
2	**17**	Automatic prediction of ER/PR expression levels in Duplex IHC Assays
2	**18**	Actionable Spatial Insights Generated From A Multiplex Immunofluorescence Panel Using A Modular AI-Driven Platform Powered By Reveal Biosciences
2	**19**	Pan-cancer lymph node metastasis detection using deep learning on annotation free whole slide images
2	**20**	Hologic Genius Imager In Conjunction With Paige Prostate AI For Prostatic Biopsy Diagnosis
2	**21**	Deep learning-based virtual special staining of H&E-stained tissue sections
2	**22**	Deep neural network's efficacy for the detection of skin lesions
2	**23**	Ground Truth Annotations for Mitotic Figures in Whole Slide Images of Breast Cancer Using PHH3 Stain
2	**24**	Digital analysis of breast cancer Ki-67 scores in different whole slide image formats
2	**25**	Enhancing Identification of Prostatic Adenocarcinoma in Holmium Laser Enucleation of the Prostate (HoLEP) with the Aiforia Platform

POSTER SESSION 3 | TUESDAY, OCT 31 | 8:30 AM - 12:30 PM		
SESSION	**POSTER #**	**POSTER TITLE**
3	**1**	Diagnosis of DLBCL using Multiplex imaging
3	**2**	Automated Ancilliary Test-free Prediction of BRAF/NRAS Mutational Status from Digitized Whole Slide Images of H&E stained Malignant Melanoma
3	**3**	Clinical Validation and Implementation of an Artificial Intelligence Model for Digital Analysis of Ki-67 Biomarker in Breast Cancer
3	**4**	Generative Pre-trained Transformer-4 (GPT-4) based large language models as a rapid and objective tool for pathology report data extraction
3	**5**	Understanding the Recent Evolution of Med-AI Research Activity in Pathology and Other Specialties Using a Text Mining Approach
3	**6**	Prospective, blinded, comparative, cross-over, feature-detection study for validation of test whole slide imaging viewer system developed by identify.bio to explore artificial intelligence application for
3	**7**	Whole slide image-level prediction of malignant effusion cytology using clustering-constrained attention multiple instance learning
3	**8**	Pan-immune Infiltration in cutaneous squamous cell carcinomas and associated response to anti-PD1 immuno-therapy
3	**9**	Utilizing Artificial Intelligence-Assisted Heuristic Scanning to Enhancing Efficiency of Urine Cytology Slides Scanning
3	**10**	In-house validation of Convolutional Neural Network (CNN)-based artificial intelligence (AI) algorithm in evaluating Pap smears
3	**11**	HALO Lung Macrodissect AI: a tumor cell estimation algorithm for use in a pulmonary adenocarcinoma molecular pathology workflow.
3	**12**	Implementing a DICOM-centric Digital Pathology Infrastructure
3	**13**	Detection of Decidual Vasculopathy using multiresolution hierarchical neural network
3	**14**	Efficiency of a deployed artificial intelligence (AI) algorithm for prostate biopsy primary diagnosis
3	**15**	Learning to Predict RNA Sequence Expressions from Whole Slide Images: Correlating CINSARC Gene Expression with Histology in Soft Tissue Sarcoma
3	**16**	Automated Mitotic Rate Detection in Primary Cutaneous Melanomas Using Artificial Intelligence
3	**17**	Diagnostic decision-making tools to improve Digital pathology workflow
3	**18**	AI-driven immune phenotype stratification and tumor microenvironment spatial analysis within PanCytokeratin-CD8 stained tumor specimens
3	**19**	Deep learning for artefact identification and quantification in digital pathology
3	**20**	A robust image synthesis and segmentation pipeline for histopathology
3	**21**	FFPE++: Improving the quality of formalin-fixed paraffin-embedded tissue imaging via contrastive unpaired image-to-image translation
3	**22**	From WSI to Utilizing Screenshots for Case Documentation and More: Transforming Pathology Practice for the Digital Era
3	**23**	Artificial intelligence-assisted quantification of PD-L1 immunostaining in non-small cell lung cancer