

Resident Quality Improvement Projects

2024-2025

1. Mahboob A. "Enhancing Awareness and Effective Utilization of the 343-CHAT and CO on-Call Pagers"
Mentor: Dr. Erica Fatica
2. Mejia Juarez C. "Utility of Integrating Molecular Pathology Findings into the Final Histopathological Diagnosis"
Mentor: Dr. Paul Lee
3. Ponnaboina D and Lu Y. "Optimizing HER2 Testing in Endometrial Cancers: A Comparative Analysis of IHC, CISH, and NGS"
Mentor: Drs. Rachel Jug, Steve Gilday
4. Ka F. "Improvement of Blood Utilization for RBC Exchanges in Sickle Cell Disease Patients"
Mentor: Drs. Mamie Thant, Catherine Stefaniuk, DO
5. Bazrafshan S. "Refinement of Quantitative Cut-Off for MSI Calling in the UCMC Genomic Sequencing Solid Tumor Panel"
Mentor: Drs. Kelsey Dillehay McKillip, Catherine Stefaniuk, DO
6. Zhu X. "To Stain or Not to Stain, For the Diagnosis of Helicobacter Pylori Infection in Gastric Biopsy Specimens"
Mentor: Drs. Jiang Wang, Ben Hinrichs, Divya Sharma
7. Briggs Z. "Identification of Common Billing Errors in Surgical Pathology at UCMC"
Mentor: Dr. Steve Gilday

2023-2024

1. Zhu X. "Resident Slide Box Improvement Project"
Mentor: Dr. Benjamin Hinrichs
2. Bazrafshan S. "Improvement of the delta check process for detecting erroneous results"
Mentor: Dr. Erica Fatica
3. Zhang E. "Drug positivity rates in urine vs umbilical cord for neonates"
Mentor: Dr. Erica Fatica
4. McGeough A. "Cost-efficiency and Retention of Heart Transplant Biopsies for AMR"
Mentor: Dr. Divya Sharma
5. Fatou K and Salibindla D. "Online grossing templates and videos"
Mentor: Dr. Benjamin Hinrichs

2022-2023

1. McGeough A and Mallikarjuna V. "Development of a Residency Wellness Curriculum"
Mentors: Drs. Lauren Rosen, Eleanor Powell
2. Zhang, E. "Development of In-House Urine Testing".
Mentor: Dr. Erica Fatica
3. Gaddam, S. "Tissue Rolls for Controls".
Mentor: Dr. Benjamin Hinrichs
4. Agarwal, P. "Storing liver allograft biopsy slides separately for ease of retrieval".
Mentor: Dr. Benjamin Hinrichs

2021-2022

1. Protopsaltis, N. "Revision of Resident Resources for Transfusion Medicine"
Mentors: Drs. David Oh, Ammar Aliuddin
2. Ikegami, S. "Investigation of effectiveness of low-titer, cold stored, group O whole blood (LTOWB) for hemorrhagic trauma patients"
Mentor: Dr. David Oh
3. Yakoub, M. "Validating comprehensive next-generation sequencing (NGS) assay for solid tumors using cytology specimens"
Mentors: Drs. Kelsey Dillehay McKillip, Paul Lee, Catherine Stefaniuk
4. Reno, M. "Implementation of Microbiology Plate Rounds"
Mentor: Dr. Eleanor Powell
5. Agarwal, P. "Validation of EDTA declassification protocol of bone specimens involved by metastatic breast cancer and for which prognostic breast cancer biomarker IHC staining will be performed"
Mentor: Dr. Benjamin Hinrichs
6. Gaddam, S. "Improving lymph node yield in Whipple resection specimens using the "Orange Peeling" sampling method"
Mentor: Dr. Benjamin Hinrichs
7. Mallikarjuna, V. "Quality of positive control tissues used in IHC in the histology lab"
Mentor: Dr. Jiang Wang
8. Zhu, X. "Validation of ARX and PDX1 IHC to predict clinical behavior using a previously identified cohort of Pancreatic Neuroendocrine Tumors (PNET)"
Mentors: Dr. Divya Sharma, Dr. Jiang Wang