

**Hector Mesa, M.D.**

Associate Professor, Department of Pathology  
Indiana University, School of Medicine

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**Contact Information**

Business Address IU Health Pathology Laboratory, 350 W 11th Street, Rm 4040  
Phone Number (317) 491-6386  
Fax Number (317) 491-6001  
E-mail hmesacorrales@som.umaryland.edu  
Foreign Languages Fluent in Spanish (native) and German

**Education**

1985-1991 M.D., Universidad del Rosario, Bogotá, Colombia  
1991-1994 Experimental Doctoral Thesis, Albert-Ludwigs-Universität, Dr.med.  
“Magna cum laude”

**Post Graduate Education and Training**

1990-1991 Internship, Universidad del Rosario, Bogotá, Colombia  
1996-1999 Residency, Anatomic Pathology, Universidad Javeriana, Bogota, Colombia  
2001-2005 Residency, Anatomic and Clinical Pathology, University of Minnesota, Twin Cities, MN  
2001 Fellowship, Surgical Pathology, University of Minnesota, Twin Cities, MN  
2004 Fellowship, Hematopathology, University of Minnesota, Twin Cities, MN  
2005-2006 Senior Hematopathology Fellow, Minneapolis VA Medical Center, Minneapolis MN  
2017-2019 Certificate in Clinical Research, University of Minnesota, Twin Cities, MN

**Certifications**

1999 Pathologist Certificate (ASCOFAME) Colombia  
2006 Diplomate, American Board of Pathology

**Medical Licensures**

1994-present Colombian Medical License (active)  
2005-20 Minnesota (inactive)  
2020-present Indiana (active)  
2024-present Maryland (active)

**Employment History**

1993-95 Staff physician, Hospital San Jose, Belén de Umbría, Risaralda, Colombia  
1999-2000 Staff Pathologist, Patolabs RX Ltda, Santa Bibiana Clinic, Bogota, Colombia  
2006-2020 Staff Pathologist, Minneapolis VA Health Care System, Minneapolis MN

2/2020-10/2024 Staff Pathologist, Indiana University Health Pathology Laboratory  
11/2024-Present Staff Pathologist, University of Maryland School of Medicine

### Academic Appointments

2006-2019 Assistant Professor, Department of Pathology, University of Minnesota Medical School, Twin Cities, MN  
2020-2024 Associate Professor (non-tenured), Department of Pathology, Indiana University School of Medicine (IUSM), Indianapolis IN  
2024-Present Professor (non-tenured), Department of Pathology, University of Maryland School of Medicine, Baltimore MD

### Honors and Awards

1993 Else Kroener Fresenius Stiftung Preis. Award for the best oral presentation, European Society of Pediatric Nephrology, Hamburg, Germany  
1993 Best Poster Award, European Society of Clinical Investigation, Heidelberg, Germany  
2009 Clinical Pathology Teacher of the Year, Department of Laboratory Medicine and Pathology, University of Minnesota School of Medicine, Twin Cities MN  
2013 Clinical Pathology Teacher of the Year, Department of Laboratory Medicine and Pathology, University of Minnesota School of Medicine, Twin Cities MN  
2014 Outstanding Educator Award, Department of Medicine Minneapolis VA Health Care System, Minneapolis MN  
2020 Recognition for Contribution to the Primary Care Service Line, Department of Medicine Minneapolis VA Health Care System, Minneapolis MN  
2021 Excellence in Anatomic Pathology Teaching, Department of Laboratory Medicine and Pathology, Indiana University School of Medicine, Indianapolis IN  
2024 Recognition of Excellence in Pathology Education, Department of Laboratory Medicine and Pathology, Indiana University School of Medicine, Indianapolis IN

### Clinical Activities

1993-1995 Hospital San Jose, Belén de Umbría, Risaralda, Colombia. Scope of practice: Provided comprehensive inpatient and outpatient care. Managed emergency services and performed emergency surgeries.  
1999-2000 Patolabs RX Ltda., Santa Bibiana Clinic, Bogota, Colombia. Scope of practice: Provided specialized pathology/cytopathology services with focus on Head & Neck surgery.  
2006-2020 Minneapolis VA Health Care System, Minneapolis MN. Scope of practice: Worked at one of the largest VA hospitals in the country, a tertiary care academic center. Involved in patient care, education, and research. Active in general surgical pathology, cytopathology, autopsy service, and hematopathology.  
2020-2024 Indiana University Health Pathology Laboratory (IUHPL). Scope of Practice: Worked at the largest quaternary academic pathology laboratory in Indiana, providing outreach services nationwide. Assigned to Head & Neck, Thoracic, Genitourinary, and Cytopathology services.  
2024-Present University of Maryland Medical Center, Baltimore MD. Scope of practice: Academic center. Involved in patient care, education and research. Active in in general surgical pathology, cytopathology, renal pathology, and hematopathology

### Clinical Expertise

Board certified pathologist with sub-specialty board certification in hematopathology. I have only practiced in tertiary academic health centers in the US for ~20 years. I have extensive expertise in several areas with numerous publications in hematopathology, cytopathology, head & neck, endocrine, thoracic, gastrointestinal, and genitourinary pathology.

### Scope of Clinical Practice

2006-2020 Minneapolis VA Health Care System. One of the largest VA pathology laboratories in the Country serving the Minneapolis VA Medical Center and 13 VA Community Clinics. Volume per year: 25,000 surgical specimens, 4,500 non-gynecologic cytopathology cases, 375 bone marrow evaluations, 2,800 peripheral blood smear evaluations, 60 autopsies, and more than 3,446,084 clinical pathology assays.

2020-2024 Indiana University Health. Largest pathology laboratory in Indiana. Volume per year: 118,000 Surgical cases/year, 8,700 frozen sections, 70,000 cytology cases including 5,900 FNAs, more than 19 million clinical pathology assays.

2024-Present University of Maryland Medical Center. Volume per year: 35,000 surgical cases/year

### Development of Clinical Programs

2006-2020 Pathology representative of Morbidity Mortality Conference at the Minneapolis VA Medical Center.

2008-2020 Developed Regional Hematopathology Consultation Service: Including VA hospitals in Minnesota, North Dakota, Eastern Wisconsin and Northern Ohio

2006-2020 Director of Senior cytopathology and hematopathology elective rotation at the Minneapolis VA Medical Center

2006-2020 Created unknown conference Minneapolis VA HCS, weekly educational conference for pathology residents and fellows.

2006-2020 Coordinator research activities of pathology residents rotating through the Minneapolis VA Medical Center

2020- 2024 Created gross Digital Conference. Monthly conferences were clinical, imaging, gross and microscopic findings are integrated to educate interdisciplinary teams about the importance of multidisciplinary teams to final tumor staging.

2021-2024 Created curriculum for teaching the role of pathologists in eliminating healthcare disparities

2021-2024 Coordinator research activities for Cytopathology Fellows

### Professional Society Memberships

2005-Present College of American Pathologists

2005-Present American Medical Association

2005-2019 Minnesota Society of Pathologists

2006-2019 National Association of Veteran Affairs Physicians and Dentists

2006-Present American Society of Cytopathology

2020-Present Indiana Association of Pathologists

### **Administrative Service**

#### DEI Activities

- 2021 Participant, Mitigating Cognitive Bias training, Leader Version – IUSM
- 2021 Participant, A civil and respectful Workplace Building a strong affirmative culture course - IUSM
- 2022 Participant, Cultural Humility for Leaders training - IUSM
- 2022 Participant, Unconscious bias in decision-making training - IUSM
- 2022 Participant, What is REaL? Race Ethnicity and Language course - IUSM
- 2022 Participant, Cultural Humility for Leaders - IUSM
- 2023 Participant, Mitigating Unconscious Bias course - IUSM
- 2023-2024 Participant, Antiracist Reading Group, University wide initiative - IUSM
- 2024 Participant, Health Equity: Pain Management course - IUSM
- 2024 Participant, How Culture Impacts/Influences Healthcare Behavior & Decisions - IUSM
- 2024 Participant, Compliance and Title IX training – IUSM

Use material learned to develop curriculum for our residency program.

#### Departmental Activities

- 2006-2020 Director of the coagulation and immunology laboratories, co-director of the hematology laboratory and hematopathology and flow cytometry services, Minneapolis VA Healthcare System.
- 2006-2019 Pathology representative, Gastrointestinal Conference, bi-weekly meeting, Minneapolis VAMC
- 2006-2019 Pathology representative, Morbidity & Mortality Conference, weekly meeting, Minneapolis VAMC
- 2006-2019 Presenter/host, Hematology & Hematopathology conference, bi-weekly meeting, Minneapolis VAMC
- 2020-2024 Pathology representative, Head and Neck tumor Board, weekly meeting, IU Health/IUSM
- 2020-2023 Core Residency Interview Committee Member, recruiting season, Pathology residency program, IUSM
- 2020-2023 Chair of Clinical Competency Committee, quarterly meetings, Pathology Residency Program, IUSM
- 2020-2023 Associate program Director for Surgical Pathology, oversight, administration, curriculum development, QC/QI Programs, recommendation letters, competency evaluation. Pathology Residency Program, IUSM
- 2020-2024 Director of Healthcare disparities curriculum. Curriculum development and lecturer. Pathology residency program IUSM
- 2020-2024 Core member Cytopathology Fellowship Program. Candidate interview and selection, curriculum development, fellowship evaluation and oversight, responsible for coordinating research activities of fellows. IUSM

## **Institutional Service**

### **Local Service**

- 2012-2017 Director, Minnesota Society of Pathologists  
2010-2019 Activity Director, Self-Assessment Modules/CME, Minnesota Society of Pathologists

### **National Service**

- 2006-Present Inspector, College of American Pathologists Laboratory Accreditation Program  
2018-2019 Editorial Review Board for Hematology, American Journal of Clinical Pathology  
2020-Present Reviewer, PLOS ONE journal  
2023-Present Editor for Hematologic Malignancies, Frontiers in Oncology  
2024-Present Reviewer, Journal of Gastrointestinal Oncology

### **Teaching Service**

#### **Graduate / Post-Graduate Teaching**

- 2006-1/2020 Minneapolis VA Health Care System (VAHCS) Morbidity and Mortality Conference. Role: Pathology Representative. Frequency: Weekly. Duration: 1 hour. Scope: Hospital-wide M&M conference
- 2006-1/2020 Minneapolis VAHCS Senior Cytopathology & Hematopathology elective rotation. Role: Rotation Director. Frequency: Elective. Duration: 1 month. Scope: elective rotation for 4th year residents.
- 2006-12/2019 Minneapolis VAHCS Unknown Conference. Role: Presenter. Frequency: Weekly. Duration: 1 hour. Scope: Interactive microscopic slide session attended by 3 rotating pathology residents and sporadic post-sophomore fellows
- 2020-Present IUSM Gross Digital Conference. Role: Presenter. Frequency: Monthly. Duration: 1 hour. Scope: Interactive CME conference showcasing the most challenging large resections of the previous month. Audience: 20 residents, over 50 pathologists, 10 pathology assistants.
- 2020-12/2023 IUSM Pathology Unknown Conference. Role: Presenter. Frequency: Monthly. Duration: 1 hour. Scope: Interactive microscopic slide session attended by 20 residents and visiting physicians.
- 2020-7/2023 IUSM Pathology Department Critical Error and Quality Conference. Role: Presenter. Frequency: Bimonthly. Duration: 1 hour. Scope: Presentation and discussion of identified critical errors/near misses, and quality benchmarks attended by 20 residents.
- 6/9/2023 IUSM Pathology/Cytopathology Core Curriculum lecture: Comprehensive salivary gland/introduction to the Milan system. Role: Presenter. Duration: 1 hour. Scope: Interactive cytopathology lecture attended by 20 pathology residents and 8 cytotechnology students,
- 8/18/2023 IUSM Pathology/Cytopathology Core Curriculum, Diagnosis of lymphoid lesions in limited samples. Role: Presenter. Duration: 1 hour. Scope: Interactive cytopathology lecture attended by 20 pathology residents and 8 cytotechnology students.

- 9/8/2023 IUSM Pathology Core Curriculum, Squamous lesions of the head and neck. Role: Presenter. Duration: 1 hour. Scope: Interactive pathology lecture attended by 20 pathology residents.
- 1/12/2024 IUSM Pathology Core Curriculum, Small round blue cell tumors of head and neck. Role: Presenter. Duration: 1 hour. Scope: Interactive pathology lecture attended by 20 pathology residents.
- 1/31/2024 IUSM Pathology Core Curriculum, Healthcare disparities. Role: Presenter. Duration: 1 hour. Scope: Interactive lecture on the role of pathologists in reducing health disparities, with a focus on the specific contributions of IUSM in Indiana. Audience: 20 pathology residents.
- 3/4/2024 IUSM Pathology/Cytopathology Core Curriculum, Body fluids & Hematologic malignancies, 20 pathology residents, 8 cytotechnology students
- 5/10/2024 IUSM Pathology Core Curriculum, Squamous lesions of the head and neck, 20 residents
- 5/15/24 IUSM Pathology/Cytopathology Core Curriculum, Lymphoma in cytology samples. Role: Presenter. Duration: 1 hour. Scope: Interactive cytopathology lecture attended by 20 pathology residents and 8 cytotechnology students.
- 8/6/24 IUSM Pathology Core Curriculum, Small round blue cell tumors of head and neck. Role: Presenter. Duration: 1 hour. Scope: Interactive pathology lecture attended by 20 pathology residents and visiting physicians.
- 8/16/2024 IUSM Head & Neck Unknown conference. Role: Presenter. Duration: 1 hour. Scope: Interactive microscopic slide session attended by 20 residents and visiting physicians.

### Resident Mentoring

2020-2024 Formally mentored 4 residents who chose me as their primary mentor. Informally mentored many residents as Associate Program Director (20 residents). Mentored fellows in genitourinary (3 per year) and cytopathology (2 per year) services as a core member of those services. Mentored several visiting students and foreign physicians interested in Pathology residency. Provided dozens of recommendation letters for graduating residents and fellows, and visiting pathology candidates

### Research Activities

Research Interests: Immunology, renal pathology, cytopathology, gastrointestinal pathology, endocrine pathology, genitourinary pathology, thymus pathology, and hematopathology.  
 Current Role: Member of the nationally recognized IUSM Thymoma Research Group, led by Dr. Patrick Loehrer. Collaborative efforts have resulted in peer reviewed publications and several projects presented at scientific meetings.

2006-2020: Minneapolis VAMC: Coordinated research projects for Pathology Residents, leading to numerous publications in peer-reviewed journals with residents as first authors.

2020-2024: Oversaw research projects for residents, genitourinary and cytopathology fellows, resulting in several publications in peer-reviewed journals with residents and fellows as first authors.

## Grant Support

### Completed Grants

- 2021-2022     Role: Co-investigator, 10% Effort.  
Primary Investigator: Dr. Fatemeh Ardeshir.  
Project: Validation of surface targets for cellular therapy in Metastatic thymic Epithelial tumors to generate the first chimeric antigen receptor T cell therapy in vitro model.  
Type of grant: ASCO young investigator award.  
Award: \$ 50,000
- 2022-2023     Role: Collaborator, 10% Effort.  
Primary Investigator: Dr. Fabiana Perna.  
Project: Investigating the therapeutic and biological relevance of ABCG1 and SLC30A5 in metastatic Thymic Epithelial Tumors.  
Type of grant: NIH R03 grant.  
Award: 50,000

### Pending Grants

- 2023-Present     Role: Collaborator, 10% effort.  
Primary Investigator: Dr. Patrick J. Loehner.  
Project: Characterization of thymic epithelial tumors using a genomic, tumor cell line, patient to a xenografts, single cell RNA sequencing and spatially resolved transcriptomics approach.  
Type of grant: Private Foundation  
Funding agency: Thymic Carcinoma Foundation  
Award: 250,000
- 2024     Role: Coinvestigator, 1.2 CM in years 1-4 effort  
Primary investigator: IUSM Site: Dr. Michael Feldman  
Project: Margin Call: High-resolution, high-content histology for rapid surgical guidance.  
Sponsor: University of California Davis and Advanced Research Projects Agency for Health (ARPA-H).  
Pending Award

## Publications

1. **Mesa HA\***, Lang B, Schumacher M, Vaith P, Peter HH. Sneddon's syndrome and phospholipid antibodies. Clin Rheumatol 1993;12(2):253-6. PMID: 8358989.
2. Zimmerhackl LB, **Mesa H**, Kramer F, Kolmel C, Wiegele G, Brandis M. Tubular toxicity of cyclosporine A and the influence of endothelin-1 in renal cell culture models (LLC-PK1 and MDCK). Pediatr Nephrol 1997;11(6):778-83. PMID: 9438665.  
[Manuscript based on my doctoral thesis]
3. **Mesa H\***, Jimenez M. Moleculas de adhesión. Univ med 1996; 37(3): 135-141.  
<https://pesquisa.bvsalud.org/portal/resource/pt/lil-346935> .
4. Jaramillo LF, **Mesa HA**, Garcia A. Lesiones nodulares e hiperplasia adenomatosa atípica asociadas con tiroiditis de Hashimoto / Nodular lesions and atypical adenomatous hyperplasia associated with Hashimoto's thyroiditis. Univ med 2003;44(1):7-10.

<https://pesquisa.bvsalud.org/portal/resource/pt/lil-354608>. [Based on project done for promotion to next residency postgraduate year]

5. **Mesa H\***, Pambuccian S, Ferrieri P, Brunning R. A case of systemic histoplasmosis diagnosed in a peripheral blood smear. *Br J Haematol* 2004 ;127(3):2 doi:10.1111/j.1365-2141.2004.05164.x. PMID: 15491282.
6. Rheault MN, Kren SM, Thielen BK, **Mesa HA**, Crosson JT, Thomas W, Sado Y, Kashtan CE, Segal Y. Mouse model of X-linked Alport syndrome. *J Am Soc Nephrol* 2004;15(6):1466-74. PMID: 15153557. [Evaluated pathology]
7. **Mesa H\***, Stelow EB, Stanley MW, Mallery S, Lai R, Bardales RH. Diagnosis of nonprimary pancreatic neoplasms by endoscopic ultrasound-guided fine-needle aspiration. *Diagn Cytopathol* 2004;31(5): 313-8. PMID: 15468134.
8. Kodali D, **Mesa H**, Rawal A, Cao Q, Gupta P. Thrombocytosis in myelodysplastic and myelodysplastic/myeloproliferative syndromes. *Leuk Lymphoma* 2007;48(12):2375-80. PMID: 18067013. [Mentored hematology-oncology fellow during hematopathologic evaluation of cases, manuscript draft and editing]
9. **Mesa H\***, Rawal A, Rezcallah A, Iwamoto C, Niehans GA, Druck P, Gupta P. “Burned out” testicular seminoma presenting as a primary gastric malignancy. *Int J Clin Oncol* 2009; 14(1): 74-7. PMID: 19225929.
10. Rheault MN, Kren SM, Hartich LA, Wall M, Thomas W, **Mesa HA**, Avner P, Lees GE, Kashtan CE, Segal Y. X-Inactivation Modifies Disease Severity in Female Carriers of Murine X-Linked Alport Syndrome. *Nephrol Dial Transplant* 2010;25(3):764-9. PMID: 19854849. [Performed histopathologic evaluation]
11. Gourley, B, **Mesa H**, Gupta P. Rapid and complete resolution of chemotherapy-induced thrombotic thrombocytopenic purpura/hemolytic uremic syndrome (TTP/HUS) with rituximab. *Cancer Chemother Pharmacol* 2010;65(5):1001-4. PMID: 20119714. [Provided coagulation/hematopathology assessment, manuscript draft and editing]
12. Marinier DE, **Mesa H**, Rawal A, Gupta P. Refractory cytopenias with unilineage dysplasia: a retrospective analysis of refractory neutropenia and refractory thrombocytopenia. *Leuk Lymphoma*. 2010;51(10):1923-6. PMID: 20919862. [Mentored GP during hematopathologic evaluation and manuscript draft and editing]
13. Kodali D, Rawal A, Ninan MJ, Patel MR, **Mesa H**, Knapp D, Schnitzer B, Kratzke RA, Gupta P. Expression and Phosphorylation of Eukaryotic Translation Initiation Factor 4E Binding Protein 1 in B-Cell Lymphomas and Reactive Lymphoid Tissues. *Arch Pathol Lab Med* 2011; 135(3):365–371. PMID: 21366462. [Mentored hematology-oncology fellows during hematopathologic evaluation of cases and manuscript draft and editing]
14. Conway A, Wiernik A, Rawal A, Lam C, **Mesa H#**. Occult primary medullary thyroid carcinoma presenting with pituitary and parotid metastases: case report and review of the literature. *Endocr Pathol* 2012; 23(2):115-122. PMID: 22371144.
15. Baumann Kreuziger L, Carlson M, **Mesa H**, Gupta P. Perinephric extramedullary hematopoiesis in primary myelofibrosis. *Br J Haematol*. 2012;157(2):157.PMID: 22329535. [Hematopathologic evaluation and images]
16. Ninan MJ, Rawal A, **Mesa H**, Knapp DJ, Kuskowski MA, Gupta P. Expression and phosphorylation of translation regulatory protein 4E-binding protein (BP)-1 in low-risk diffuse large B cell lymphoma. *J Hematopathol* 2013;6(3):121–126. <https://doi.org/10.1007/s12308-013-0188-6>. [Mentored hematology-oncology fellow during hematopathologic evaluation of cases, manuscript draft and editing]



17. Tossapol K, **Mesa H**, Abraham J, Manivel J, Viskocil K, Trottier B, Shaukat A. Sclerosing mesenteritis and IgG4-related mesenteritis: case series and a systematic review of natural history and response to treatments. *Immunogastroenterology* 2013;2(2):119-128. PMID: 26755359. [Mentored gastroenterology fellow during evaluation of cases, manuscript draft and editing]
18. Sink J, Bell B, **Mesa H**<sup>#</sup>. Synovial chondromatosis of the temporomandibular joint: clinical, cytologic, histologic, radiologic, therapeutic aspects, and differential diagnosis of an uncommon lesion. *Oral Surg Oral Med Oral Pathol Oral Radiol* 2014;117(3): e269-74. PMID: 23850367.
19. Zbacnik AB, Rawal A, Lee B, Werling R, Knapp D, **Mesa H**<sup>#</sup>. Cutaneous basal cell carcinosarcoma: case report and literature review. *J Cutan Pathol* 2015;42(11):903-10. PMID: 26268472.
20. **Mesa H**<sup>\*</sup>, Drawz S, Dykoski R, Manivel JC. Morphometric measurement of submucosal thickness in areas of fat deposition in the terminal ileum and colonic sections, with correlation with body mass index, weight and age: a male autopsy study. *Histopathology* 2015;67(4):457-63. PMID: 25753373.
21. McFarland S, Manivel JC, Ramaswamy A, **Mesa H**<sup>#</sup>. Gastric-type extremely well-differentiated adenocarcinoma arising in the blind pouch of a bypassed stomach, presenting as colonic pseudo-obstruction. *Ann Gastroenterol* 2015; 28: 499-501. PMID: 26424554.
22. Huang H, Bazerbachi F, **Mesa H**, Gupta P. Asymptomatic multiple myeloma presenting as a nodular hepatic lesion: a case report and review of the literature. *Ochsner J* 2015; 15(4): 457–67. PMID: 26730235. [Mentored hematology-oncology fellow during hematopathologic evaluation of cases, manuscript draft and editing]
23. **Mesa H**<sup>\*</sup>, Gilles S, Smith S, Dachel S, Larson W, Manivel C. The mystery of the vanishing Reinke crystals. *Hum Pathol* 2015;46(4):600-6. PMID: 25682153.
24. Ha K, Manivel JC, Kelly R, **Mesa H**<sup>#</sup>. Inflammatory Epithelioid CD34-Positive Low-Grade Myofibroblastic Sarcoma: A Novel Intrapulmonary Sarcoma. *Sarcoma Res Int*. 2015; 2(3): 1022. <https://austinpublishinggroup.com/sarcoma/fulltext/sarcoma-v2-id1022.pdf>.
25. Gruenberg J, Manivel JC, Gupta P, Dykoski R, **Mesa H**<sup>#</sup>. Fatal acute cardiac vasculopathy during cisplatin-gemcitabine-bevacizumab (GCB) chemotherapy for advanced urothelial carcinoma. *J Infect Chemother* 2016;22(2):112-6. PMID: 26423690.
26. **Mesa H**<sup>\*</sup>, Gilles S, Datta MW, Murugan P, Larson W, Dachel S, Manivel C. Immunophenotypic differences between neoplastic and non-neoplastic androgen-producing cells containing and lacking Reinke crystals. *Virchows Arch* 2016; 469(6):679-686. PMID: 27696245.
27. Elwir S, Shaukat A, **Mesa H**, Colbach C, Dambowy P, Shaw M. Ischemic Gastritis: A Multicenter Case Series of a Rare Clinical Entity and a Review of the Literature. *J Clin Gastroenterol* 2016;50(9):722-6. PMID: 26756105. [Pathology evaluation, manuscript draft and editing]
28. Suvorava N, Richmond S, Patel N, Bell B, **Mesa H**<sup>#</sup>. Between a rock and a hard place. *Am J Hematol*. 2016;91(3):351-3. PMID: 26660593.
29. Nasir A, Manivel JC, Yousaf H, Albrecht JH, Dykoski R, **Mesa H**<sup>#</sup>. Markedly increased rate of primary liver malignancies at autopsy in male U.S. veterans. *Clin Gastroenterol Hepatol*. 2016; 15(2), 316-318. PMID: 27574757.

30. Swanson E, Kunisaki K, **Mesa H**, Silva J. CD5-Positive Tracheal Mucosa Associated Lymphoid Tissue Lymphoma Presenting with Prandial Dyspnea. *Am J Respir Crit Care Med* 2017;195(1): e1-e3. PMID: 27710036.
31. **Mesa H\***, Hummel K, Dachel S, Manivel JC. Intracytoplasmic basophilic bodies in leukocytes in an HIV patient with pleural and pericardial effusion led to unexpected diagnosis. *J Hematopathol* 2017; 10(1):35-38. <https://doi.org/10.1007/s12308-017-0294-y>
32. Swanson EJ, Manivel JC, Valen PA, **Mesa H#**. Necrotizing eosinophilic granulomatous lymphadenitis with ring- and C-shaped granulomas—an underrecognized specific manifestation of nodal Churg-Strauss syndrome. *J Hematopathol* 2017; 10(1):39-45. DOI:10.1007/s12308-017-0297-8. Corpus ID: 79959040.
33. **Mesa H\***, Gilles S, Datta MW, Murugan P, Larson W, Dachel S, Manivel JC. Comparative Immunomorphology of Testicular Sertoli and Sertoliform Tumors. *Hum Pathol* 2017; 61:181-189. PMID: 27939779.
34. **Mesa H\***, Zhang C, Manivel JC, Ulbright TM. Immunophenotypic Comparison of Testicular Sclerosing Sertoli Cell Tumors and Sertoli Cell Tumors Not Otherwise Specified. *Hum Pathol* 2017; 68:99-102. PMID: 28873352.
35. **Mesa H\***, Rawal A, Gupta P. Diagnosis of Lymphoid Lesions in Limited Samples: A Guide for the General Surgical Pathologist, Cytopathologist, and Cytotechnologist. *Am J Clin Pathol* 2018;150(6):471-484. PMID: 30084952.
36. **Mesa H\***, Larson W, Manivel JC. Acquired adenomatous hyperplasia of the rete testis: an immunohistochemical study of its pathogenesis. *Hum Pathol* 2018; 73:102-107. PMID: 28970137.
37. Verma A, Mbughuni M, Mariash E, **Mesa H#**. Hyperleukocytosis increases risk of fatal hyperkalemia with new Ibrutinib/Venetoclax regimen for refractory mantle cell lymphoma. *J Chemother* 2019; 31(7-8):428-431. PMID: 31738653.
38. Moraveji S, **Mesa H**, Siddiqui AA. Atrioesophageal Fistula: A Catastrophic Complication of a Benign Esophageal Ulcer. *ACG Case Rep J*. 2019;6(10):e00258. doi:10.14309/crj.0000000000000258. PMID: 31832476. [Pathology evaluation and images]
39. Yousaf H, Hayat U, Manivel J, Iwamoto C, Peltola J, Hanson B, Larson W, Dachel S, Gravely A, **Mesa H#**. Surface Ki-67 expression improves reproducibility of dysplasia diagnosis in Barrett's Esophagus. *AJCP* 2020;153(5):695-704. PMID: 32451534.
40. Sabour S, Yousaf H, Hayat U, Manivel J, Iwamoto C, Peltola J, Hanson B, Larson W, Dachel S, Gravely A, **Mesa H#**. Surface Ki-67 Expression Improves Reproducibility of Dysplasia Diagnosis in Barrett's Esophagus: Methodologic Issues to Avoid Mismanagement. *Am J Clin Pathol*. 2020;154(3):426-427. PMID: 32451534.
41. Song KY, Henn AJ, Gravely AA, **Mesa H**, Sultan S, Shaheen NJ, Shaukat A, Hanson BJ. Persistent confirmed low-grade dysplasia in Barrett's esophagus is a risk factor for progression to high-grade dysplasia and adenocarcinoma in a US Veterans cohort. *Dis Esophagus*. 2020;33(2):doz061. doi: 10.1093/dote/doz061. PMID: 31274147. [Mentored gastroenterology fellow during pathologic evaluation of cases, manuscript draft and editing]
42. **Mesa H\***, Manivel JC, Larson WS, Dachel SK, Reinink AR, Jessurun J. Immunophenotypic Comparison of Neoplasms of the Appendix, Right Colon, and Left Colon in Search of a Site-Specific Phenotypic Signature. *Int J Surg Pathol*. 2020;28(1):20-30. doi: 10.1177/1066896919859096. PMID: 31271071.

43. Henn AJ, Song KY, Gravely AA, **Mesa H**, Sultan S, Shaheen NJ, Shaukat A, Hanson BJ. Persistent indefinite for dysplasia in Barrett's esophagus is a risk factor for dysplastic progression to low-grade dysplasia. *Dis Esophagus*. 2020; 33(9):doaa015. doi: 10.1093/dote/doaa015. PMID: 32399569. [Mentored gastroenterology fellow during pathologic evaluation of cases, manuscript draft and editing]
44. Chauhan A, Sanchez-Avila M, Manivel J, Dachel S, Larson W, Hanson B, Gravely A, **Mesa H**<sup>#</sup>. Optimization of Immunophenotypic Panel to Differentiate Upper from Lower Gastrointestinal Adenocarcinomas: Analysis of New and Traditional Markers. *Appl. Immunohistochem. Mol. Morphol*. 2021; 29(1):13-19. PMID: 33295746.
45. Kravtsov O, **Mesa H**<sup>#</sup>. Sertoli cell tumor. *PathologyOutlines.com* website. <https://www.pathologyoutlines.com/topic/testisSertoliNOS.html>. Accessed October 20th, 2022. <https://www.pathologyoutlines.com/topic/testisSertoliNOS.html>. Invited contribution, pathology reference website.
46. Peiris S, **Mesa H**, Aysola A, Manivel J, Toledo J, Borges-Sa M, Aldighieri S, Reveiz L. Pathological findings in organs and tissues of patients with COVID-19: A systematic review. *PLoS One*. 2021;16(4):e0250708. doi: 10.1371/journal.pone.0250708. PMID: 33909679. [Pathology assessment, manuscript draft and editing]
47. Miller Q, Saeed O. **Mesa H**<sup>#</sup>. Clinical, Pathologic and Molecular–Genetic Aspects of Colorectal Polyps. *Gastrointest. Endosc. Clin. N*. 2022; 32(2): 313-328. PMID: 35361338.
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50. Ullah A, Khan J, Waheed A, Sharma N, Pryor EK, Stumpe TR, et al. Parathyroid Carcinoma: Incidence, Survival Analysis, and 2 Management: A Study from the SEER Database and Insights 3 into Future Therapeutic Perspectives. *Cancers* 2022, 14, 1426. <https://doi.org/10.3390/cancers14061426>. PMID: 35326576 [mentored residents during manuscript preparation. Manuscript review and editing]
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52. Priemer DS, Wysozan T, Zahedi1 F, Alrabadi N, **Mesa H**, Vortmeyer AO. Qualitative Comparison of Cryostat- vs. Snap-frozen Neurosurgical Intraoperative Consultations. *Int J Surg Path*. 2022 doi:10.1177/10668969221117987. PMID: 35971290. [Helped with manuscript drafting, data analysis and figure preparation, mentored resident during preparation of manuscript]
53. Shabaan A, Alkashash A, Hou T, Saeed O, Yesensky J, Roshal A, **Mesa H**<sup>#</sup>. Isolated Kaposi sarcoma of the upper aerodigestive tract in immunocompetent individuals, an

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  61. Collins K, Puello Yocum B, **Mesa H**, Cramer H, Saeed O. Comparison of Endoscopic Ultrasound-Guided Fine Needle Aspiration Cytology vs. Endoscopic Biopsy for the diagnosis of Upper and Lower Subepithelial Gastrointestinal Lesions: A 10- Year Retrospective Single Institution Analysis. *Diag Cytopath.* 2023 DOI: 10.1002/dc.25136. PMID: 37021663 [Data interpretation and manuscript editing]
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67. Hou T, Abu-Salah A, Cummings OW, Halum S, **Mesa H**, Zhang D. Amyloid deposition in the upper aerodigestive tract, a single institute experience. *Ear Nose Throat J.* 2023 doi: 10.1177/01455613231189144. PMID: 37515371. [Data interpretation and manuscript editing]
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69. Youssef R, Maniar R, Khan J, **Mesa H<sup>#</sup>**. Metabolic Interplay in the Tumor Microenvironment: Implications for Immune Function and Anticancer Response. *Curr. Issues Mol. Biol.* 2023, 45, 9753-9767. PMID: 38132455.
70. Ardeshir-Larijani F, Maniar R, Goyal S, Loehrer PJ, Hou T, DeBrock V, **Mesa H<sup>#</sup>**. Trop-2 Expression Status and Its Impact on Survival in Thymic Epithelial Tumors: Brief Report. *Clin Lung Cancer* 2024, <https://doi.org/10.1016/j.clc.2024.01.001>. PMID: 38242729.
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72. Hou T, **Mesa H**, Chen S, Bikheth MHF, Saeed O, Segura S, Cramer H. Head and Neck Cytopathology: Options for high-risk HPV testing in head and neck FNA specimens, a concise review. *Hum Pathol Rep.* 2024;35, <https://doi.org/10.1016/j.hpr.2024.300731>. [manuscript review and editing]
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tumors and epithelial and stromal elements of normal kidneys and ovaries. *Virchows Arch* (2024). <https://doi.org/10.1007/s00428-024-03827-3>. PMID: 38760593.

75. Hou T, Bell R, **Mesa H**<sup>#</sup>. Invasive Fungal Infections of the Head & Neck: A Tertiary Hospital Experience. *Pathogens* 2024, 13, 530. <https://doi.org/10.3390/pathogens13070530>. PMID: 39057757.
76. Saad M, Kilic I, Segura S, Ulbright TU, **Mesa H**<sup>#</sup>. Renal Solitary Fibrous Tumor with Ciliated Müllerian Cysts. *Int J Surg Pathol*. 2024 Sep 14:10668969241271347. doi: 10.1177/10668969241271347. Epub ahead of print. PMID: 39275856.
77. Akinsanya A, Segura S, Cramer H, **Mesa H**<sup>#</sup>. Adenosquamous carcinoma arising within a longstanding intrapulmonary bronchogenic cyst in an adult presenting with hyponatremia. *Cytopathology*. 2024 Sep 23. doi: 10.1111/cyt.13446. Epub ahead of print. PMID: 39311155.
78. Bhatt A, **Mesa H**, Chen S, Molden B, Hou T. FNA diagnosis of secondary malignancies in the parotid gland: over 20 years of experience from a single institute. *J Am Soc Cytopathol*. 2024 Sep 4: S2213-2945(24)00208-4. doi: 10.1016/j.jasc.2024.08.131. Epub ahead of print. PMID: 39322514. [Manuscript editing].

#### In-Revision Peer-reviewed journal articles

1. Davis HO, Wuthrich BS, Bakoyannis G, **Mesa H**, Badve SS, Maniar R, Kesler KA, Loehrer PJ. Oncologic Outcomes and Predictors of Recurrence following Minimally Invasive and Open Surgery for Thymoma. *J Thorac Oncol*. In-revision. [Manuscript editing]
2. Collins K, Toklu A, Dave N, **Mesa H**<sup>#</sup>. Ileocecal Hodgkin Lymphoma in Crohn Disease Treated with Adalimumab: A Case Report. *Diagnostic Pathology*. In-revision. [Manuscript draft and editing]
3. Di Meo F, Albano F, Cesarano A, Wang Y, Kale B, Shain K, Silva A, Kurihara N, Tenshin H, Jellyman D, **Mesa H**<sup>#</sup>; Song X, Ghaffari S, Zhao X, Meads M, Marino S, Freeman C, Locke F, Hwu P; Roodman D, Mansilla-Soto J, Perna F. SEMA4A is a CAR T cell target for Multiple Myeloma. *Cancer Cell* 2024. In-revision. [TMA assembly, protein expression analysis, manuscript draft and editing]

#### Abstracts and/or Proceedings

1. **Mesa Corrales, HA**. Toxizität von Cyclosporin A in Cremophor und Endothelin-1 und ihre Interaktion in einem Zellkultur-Modell des proximalen Tubulusepithels (Inaugural-Diss.). Universität Freiburg, Medizinische Fakultät, 1993
2. Aqel BA, Wilson K, **Mesa H**, Warshaw Erin, Ho SB. Methotrexate (MTX)-Induced Hepatotoxicity in Patients with Psoriasis. Are Serial Liver Biopsies Needed? ACG 70th annual meeting. *Am J Gastroenterol*. (abstract) 2005(100): S136
3. Rawal A, Kodali D, Gupta P, **Mesa H**. Refractory Anemia with Ringed Sideroblasts and Marked Thrombocytosis (RARS-T): a Clinico-Pathologic Review of 9 Cases (abstract). USCAP Annual Meeting in San Diego, March 2007
4. Kodali D, **Mesa H**, Rawal A, Cao Q, Gupta P. Does Thrombocytosis Alter the Prognosis of Myelodysplastic Syndromes (MDS) and MDS/Myeloproliferative Syndromes (MDS/MPD)? A Matched Case-Control Analysis of Outcomes. Abstract. *Blood* 2007; 110 (11): 2469. doi: <https://doi.org/10.1182/blood.V110.11.2469.2469>

5. Kodali D, Rawal A, Patel MR, **Mesa H**, Knapp D, Schnitzer B, Kratzke RA, Gupta P. Expression of 4E binding protein-1 (4E-BP1), a regulator of the eukaryotic initiation factor (eIF4) cap-mediated translation pathway, in non-Hodgkin's lymphomas and reactive lymphoid tissues. Oral, Poster, Abstract, 51st ASH annual meeting 2009
6. Ninan MJ, Rawal A, Kodali D, **Mesa H**, Patel M, Knapp D, Kratzke RA, Gupta P. Diagnostic and Therapeutic Implications of Expression and Phosphorylation of the Translation Regulatory Protein 4E-Binding Protein (BP)-1 in B-Cell Lymphomas and Reactive Lymphoid Tissues. Poster. Blood 2009; 114 (22): 3919.
7. Ninan MJ, Rawal A, **Mesa H**, Knapp D, Gupta P. Translation Regulatory Protein 4E-Binding protein (BP)-1 Phosphorylation Identifies Diffuse Large B Cell Lymphoma Patients with Low IPI Scores Who Experience Short Survival After Chemotherapy. 51st ASH annual meeting 2009. Blood 2009;114(22):1925
8. Meyers S, **Mesa H**, Luikart S, Rawal A. Herpes simplex lymphadenitis. <https://imagebank.hematology.org/imageset/956/herpes-simplex-lymphadenitis>
9. Singh C, Rawal A, Wadhwa P, **Mesa H**. Gamma Heavy Chain Disease: clinicopathologic features and differential diagnosis of a rare entity. ASCP CheckSample Hematology No. H 11-4 (H-343), 2011
10. Meyers S, **Mesa H**, Luikart S, Rawal A. Herpes Simplex Lymphadenitis. ASH Image Bank D-10-00049
11. Schmidt J, **Mesa H**, Rawal A. Small lymphocyte-like plasma cell myeloma. ASCP CheckSample No. HP 12-2 (HP-349), Hematology 47(2), 2012
12. Conway A, **Mesa H**, Rawal A. R. Ano-rectal syphilis. ASCP CheckSample 2012
13. Tossapol K, Aasma S, Trottier B, Viskocil K, **Mesa H**, Abraham J. Sclerosing Mesenteritis: A New Cause of Chylous Leaks? Am J Gastroenterol 2012; 107: S122-S123. Abstract
14. Tossapol K, Viskocil K, Walker P, **Mesa H**, Abraham J. Primary Pancreatic Cancer Presenting as Recurrent Small Bowel Obstruction. Am J Gastroenterol 2012; 107: S77-S78
15. Trikudanathan G, Mesa H, Manivel C, Shaukat A, Bakman Y. Proliferating Pilar Tumor (PPT) of Scalp Metastasizing to Pancreas – Not Your Everyday Pancreatic Mass. Poster. ACG 2014 Am J Gastroenterol 2014; 109: S301
16. Nasir A, Manivel C, Dykoski R, **Mesa H**. Involvement of the Liver by Primary and Secondary Malignant Tumors at Autopsy in a Cohort of Male U.S. Veterans, with Comparison to the General Population. Abstract-Poster. USCAP 2015
17. Elwir S, Colbach C, **Mesa H**, Dambowy P. Ischemic Gastritis: A multicenter case series of a rare clinical entity. Abstract. DDW 2015
18. Gilles S, Smith S, Manivel C, **Mesa H**. The mystery of the vanishing Reinke crystals. Abstract-Poster. USCAP 2015
19. Huang H, Bazerbachi F, **Mesa H**, Gupta P. Asymptomatic multiple myeloma presenting as a nodular hepatic lesion. ACP Internal Medicine Meeting 2015
20. Swanson EJ, Kunisaki KM, **Mesa H**, Silva J. Tracheal Mucosa Associated Lymphoid Tissue Lymphoma as a Cause of Chronic Cough and Prandial Dyspnea. Poster. ATS 2016
21. Swanson EJ, Valen P, **Mesa H**, Duane P. Incidental pulmonary nodules and unusual eosinophilic granulomatous lymphadenitis: an under-recognized manifestation of systemic vasculitis. Poster. Am J Respir Crit Care Med 2017; 195: A1481

22. Song K, Henn A, Gravely A, **Mesa H**, Shaukat A, Hanson B. Veterans with confirmed persistent Barrett's-associated low-grade dysplasia are at increased risk of progression to high-grade dysplasia and adenocarcinoma. Abstract. DDW 2018. *Gastrointest Endosc* 2018; 87(6): AB86-AB86
23. Henn AJ, Song K, Gravely A, **Mesa H**, Shaukat A, Hanson BJ. US Veterans with persistent indefinite for dysplasia are at increased risk of dysplastic progression. *Gastrointest Endosc*, 2018; 87(6): AB278-AB279
24. Yousaf H, Manivel J, Iwamoto C, Hanson B, **Mesa H**. Ancillary markers for improving reproducibility of "dysplasia" diagnosis in Barrett's Esophagus. Abstract. USCAP 2019
25. Choo CS, Farfara J, Song K, Hanson BJ, **Mesa H**, Hudalla E. An Upper Endoscopy Autoimmune "Hat Trick": Esophagitis Dissecans Superficialis, Autoimmune Gastritis, and Celiac Disease. Poster ACG 2018. ACG 113, S1052
26. Umar H, Song K, **Mesa H**, Hanson B. Surface Ki-67 expression on histopathology predicts progression to high-grade dysplasia and esophageal adenocarcinoma in patients with Barrett's esophagus and low-grade dysplasia. Poster DDW 2019
27. Umar H, Song K, **Mesa H**, Hanson B. A consensus diagnosis utilizing Ki-67 as an ancillary marker in indefinite for dysplasia and low-grade dysplasia helps identify patients with low risk of progression. Abstract/Poster DDW 2019. *Gastrointest Endosc* 2019; 89(6): AB461-AB462
28. Chauhan A, Sanchez-Avila M, Manivel J, Dachel S, Larson W, **Mesa H**. Comparison of New and Traditional Gastrointestinal Markers for Differentiating Upper versus Lower Site of Origin Poster CAP 2019
29. Kitagawa Y, **Mesa H**, Lavik JP. Invasive fungal sinusitis: clinical pathologic characteristics of acute vs. chronic infections. Poster, USCAP 2021 *American Journal of Clinical Pathology* (IF2.493), Pub Date : 2021-10-31, DOI: 10.1093/ajcp/aqab191.175
30. Miller CQ, **Mesa H**, Bruce SD, Popnikolov N, Dave N. Benign Epithelial Vascular Emboli and Bile Embolism in a Gallbladder of a COVID-19 Positive Patient with Subacute Calculous Cholecystitis. Abstract. CAP 2022
31. Puello Yocum B, Hwang M, **Mesa H**, Collins K. Large Epidermoid Splenic Epithelial Cyst in a Young Female Presenting with Abdominal Pain: A Rare Occurrence. Abstract. CAP 2022
32. Saeed O, **Mesa H**, Cramer H, Collins K. Diagnostic Accuracy of Endoscopic Ultrasound-Guided Fine Needle Aspiration Cytology of Subepithelial Gastrointestinal Lesions: A 10-Year Retrospective Single Institution Analysis. Abstract. CAP 2022
33. Toklu A, Collins K, Dave N, **Mesa H**. Ileocecal Epstein-Barr Virus-Associated Classical Hodgkin's Lymphoma arising in Crohn's Disease on Adalimumab. Abstract. CAP 2022
34. Puello Yocum B, Maratt JK, **Mesa H**, Popnikolov N. EBV-associated gastritis in a patient with polycythemia vera on Ruxolitinib. Abstract. CAP 2022
35. Akinsanya A, Segura S, Cramer H, **Mesa H**. Adenosquamous Carcinoma arising in a Congenital Intrapulmonary Bronchogenic Cyst after 53 years of Follow-up. Abstract. CAP 2022
36. Akinsanya A, Dave N, Cramer H, **Mesa H**. Large Pelvic Histiocytic Sarcoma in a Patient with presumed transformed Chronic Lymphocytic Leukemia. Abstract. CAP 2022.
37. Toklu A, **Mesa H**, Collins K. Adrenal hemangioma presenting as an incidentaloma clinically suspicious for malignancy. Abstract. ASCP 2022 Hybrid Annual Meeting.



38. Abu-Salah AK, Brocken E, **Mesa H**, Collins K. Jejunal intussusception secondary to large inflammatory fibroid polyp. ASCP 2022 Hybrid Annual Meeting.
39. Nova-Camacho LM, Acosta AM, Trpkov K, Sangoi AR, Pierre A, Chou A, Yilmaz A, et al. Secondary Solid Tumors of the Testis: A Clinicopathologic Evaluation of 158 Cases from an International Collaboration. Abstract #151. USCAP 2023
40. Hou T, Collins K, Segura SE, Ulbright TM, **Mesa H**, Cramer H. Metastatic Germ Cell Tumor in Serous Cavity and Cerebrospinal Fluid, A Single Institute Experience. Abstract #136. USCAP 2023
41. Surucu A, Hou T, Durm G, **Mesa H**. Comparison of PD-L1 IHC 22C3 pharmDx Combined Positive Score in primary vs. metastatic nodal squamous cell carcinomas of the Head and Neck; Is there a significant difference? Abstract #2546. USCAP 2023
42. Thamba A, Farrell R, Beckman J, Florentin M, Muldoon J, **Mesa H**. A case of pleomorphic lobular carcinoma of the breast, a rare type of breast cancer. Poster & Oral Presentation American Medical Women's Association 108 National Conference 2023.
43. Kitagawa Y, Nassiri M, **Mesa H**, Popnikolov N. Primary mammary follicular lymphoma in a patient with breast carcinoma treated with anastrozole. Abstract. CAP 2023
44. Polster N, Puello B, Lavik JP, **Mesa H**. Granulomatous Hashimoto, an unexpected presentation of Histoplasma thyroiditis. Abstract/Poster #33 H&N and Oral Pathology. CAP 2023
45. Akinsanya A, **Mesa H**, Popnikolov N. Metastatic breast carcinoma with melanocytic differentiation in a patient with melanoma history: a potential diagnostic pitfall. Abstract. CAP 2023
46. Khan J, **Mesa H**, Segura S, Cramer H. Thymoma Involved by Small Lymphocytic Lymphoma (SLL): A Rare and Challenging Diagnosis. Abstract #3935177, ASCP 2023
47. Ardeshir-Larijani F, Maniar R, Hou T, Kuhar M, Perna F, Loehrer PJ, **Mesa H**. Evaluation of Potential Therapeutic Targets with Experimental or FDA-approved Therapies in Thymic Tumor Microarrays. Poster # 114. IU Simon Comprehensive Cancer Center Cancer Research Day 2023.; E-Poster # 1580 IASLC 2023 World Conference on Lung Cancer; Poster ITMIG 2023. JTO 2023 <https://doi.org/10.1016/j.jtho.2023.09.817>
48. Samiei A, **Mesa H**, Segura S, Cramer H. Metastatic micropapillary adenocarcinoma of the uterine cervix presenting as cystic neck metastases: a diagnostic pitfall for papillary thyroid carcinoma. Abstract/Poster # 46 H&N and Oral Pathology, ASCP 2023.
49. Abu-Salah A, Kraft A, Loehrer PJ, **Mesa H**. Enteric adenocarcinoma of the thymus. Abstract. ASCP 2023
50. Bikheth MHF, **Mesa H**, Saeed O, Cramer H, Hou T. Pleomorphic Adenoma with Cystic Change, Extensive Squamous Metaplasia and Positive Block-Like p16 Staining Pattern: A Sheep In Wolf's Clothing. Abstract, ASCO 2023
51. Davis H, Heldman E, Laniak L, Wuthrich B, Badve S, **Mesa H**, Kesler K, Maniar R, Loehrer P. Local Recurrence of Thymoma following Minimally Invasive Resection. A Retrospective Case Series. 13th Annual Meeting of ITMIG (ITMIG2023) <https://med.amegroups.org/article/view/8360/pdf>
52. Reese A, Sood A, Dougherty CA, Fuchs NS, Muldoon JL, **Mesa H**. Importance of ancillary molecular testing in uterine serous carcinoma and racial disparities: A case report. Poster, American Medical Women's Association 109 National Conference 2024.
53. Rehman O, **Mesa H**, Wang X. When Rare Meets Rarer: A Mixed Thymoma Uniting the Most Uncommon Thymoma Types. Abstract. 2024-C-655-CAP. CAP 2024.

54. Polster N, **Mesa H**, Hou T, Zhang D. Endolymphatic Sac Tumors: A cautionary report of two cases with variant immunophenotype. Abstract 2024-C-628-CAP. CAP 2024
55. Yocum B, **Mesa H**, Molden B, Hou T. Grading medullary thyroid carcinoma by Ki67 proliferation index on cell block material. ASC 2024, 72nd Annual Scientific Meeting. Abstract & Poster.
56. Wheeler E, Kernodle-Zimmer J, Randolph M, Cramer H, **Mesa H**. Assessing an Interdisciplinary, Clinically Relevant, and Reproducible Reporting System for Oil Red O Staining in Bronchioalveolar Lavages. Submission 1196. ASC 2024, 72nd Annual Scientific Meeting. Selected for Platform Presentation.
57. Muldoon J, Mustafa MA, Yang B, **Mesa H**, Saeed O. Expression of steroidogenic factor (SF1) and application in cytopathologic identification of intrapancreatic ectopic splenic tissue. ASC 2024, 72nd Annual Scientific Meeting. Abstract & Poster.
58. Palsgrove D, **Mesa H**, Shahrabi Farahani S, Cipriani NA, Accurso B, Aguirre A, Soluk-Tekkeşin M, Brierley DJ, Foss RD, Koutlas I, Bishop JA, McLean AC. Molecular Profiling of Sclerosing Odontogenic Carcinomas. USCAP 2024. H&N Pathology, ID 2072

## **Major Invited Speeches**

### Local

1. **Mesa H**, Pathology Grand Rounds: “Pathologic Findings in Organs and Tissues of Patients with COVID-19; A Systematic Review. Pathology Department Indiana University School of Medicine, 3/25/21
2. **Mesa H**, Immunohistochemistry Conference: “Ancillary markers for improving the reproducibility of dysplasia diagnosis in Barrett’s Esophagus”. Pathology Department Indiana University School of Medicine, 6/25/2021.
3. **Mesa H**, ENT Grand Rounds “Pathology of the thyroid gland”, ENT and Head and Neck Surgery Department, Indiana University School of Medicine, 9/7/2022
4. **Mesa H**, Monthly Immunohistochemistry Conference: “Trop2, PSMA”. Pathology Department Indiana University School of Medicine, 12/9/2022
5. **Mesa H**, “Comprehensive salivary gland/introduction to the Milan system”, Cytopathology Program IUSM, 6/9/2023
6. **Mesa H**, “Diagnosis of lymphoid lesions in limited samples.” Pathology Residency Core Curriculum lecture, 8/18/2023
7. **Mesa H**, “Squamous lesions of the head and neck”, Pathology Residency Core Curriculum lecture, 9/8/2023
8. **Mesa H**, “Small round blue cell tumors of head and neck”. Pathology Residency Core Curriculum lecture, 1/12/2024
9. **Mesa H**, “Healthcare disparities”. Pathology Residency Core Curriculum Lecture, 1/31/2024
10. **Mesa H**, “Body fluids & Hematologic malignancies”. IUSM Cytotechnology Program, 3/4/2024
11. **Mesa H**, “Lymphoma in cytology samples”. IUSM Cytotechnology Program, 5/15/24

### Regional

12. **Mesa H**, Twin Cities Regional Flow Cytometry Conference “T-cell/NK cell disorders” University of Minnesota School of Medicine, 4/9/2016
13. **Mesa H**, ASCLS Fall Symposium “Flow cytometry of NK/T-cell Neoplasms” The American Society for Clinical Laboratory Science, Minneapolis MN, 3/9/2016.
14. **Mesa H**, ASCLS Annual Meeting “Laboratory Work-up of Autoimmune diseases” The American Society for Clinical Laboratory Science, Minneapolis MN, 1/3/2019.
15. **Mesa H**, Pathology Grand Rounds “Pathologic Findings in Organs and Tissues of Patients with COVID-19; A Systematic Review”. University of Florida College of Medicine Jacksonville FL, 3/22/21.
16. **Mesa H**, Indiana Association of Pathologists Fall seminar: “Diagnosis of lymphoid lesions in cytology samples”. Indiana Association of Pathologists, Indianapolis IN, 11/20/2021.
17. **Mesa H**, Fall Meeting CSI “Salivary Gland Cytopathology”. Cytology Society of Indiana, Indianapolis IN, 12/11/2021.
18. **Mesa H**, Invited Lecture: “Diagnosis of lymphoid lesions in cytology samples”. Thomas Jefferson University Department of Pathology, Philadelphia PA, 12/14/2023.
19. **Mesa H**, Invited Lecture: “Diagnosis of lymphoid lesions in cytology samples”. MetroHealth Department of Pathology, Cleveland OH, 2/5/2024

#### National

20. **Mesa H**, 106 Annual Course of Anatomy and Histopathology of the Head, Neck and Temporal bone “Salivary Gland Pathology & Histopathology”. Department of Otolaryngology–Head and Neck Surgery and the Division of CME of the Indiana University School of Medicine, 9/21/2021.
21. **Mesa H**, 107th annual course on anatomy and histopathology of the Head, Neck and Temporal bone: “Salivary Gland Pathology & Histopathology”. Department of Otolaryngology–Head and Neck Surgery and the Division of CME of the Indiana University School of Medicine, 7/12/22.
22. **Mesa H**, 108th annual course on anatomy and histopathology of the head, neck and temporal bone: “Salivary Gland Pathology & Histopathology”. Department of Otolaryngology–Head and Neck Surgery and the Division of CME of the Indiana University School of Medicine, 7/10/2023.
23. **Mesa H**, 109th annual course on anatomy and histopathology of the head, neck and temporal bone: “Salivary Gland Pathology & Histopathology”. Department of Otolaryngology–Head and Neck Surgery and the Division of CME of the Indiana University School of Medicine, 7/16/2024.