



Johns Hopkins Anatomic Pathology Consultation Service

Surgical Pathology and Cytopathology



JOHNS HOPKINS
MEDICINE

The Department of Pathology at The Johns Hopkins Hospital

A pathologist is a medical doctor who has trained for many years to look at cells and how they are arranged in the tissue. Pathologists base their diagnoses on years of experience, a thorough understanding of medicine, and knowledge of criteria for classifying various diseases. In some cases different pathologists examining the same specimen may report different diagnoses, especially with very limited specimens, unusual cases, and in some more subjective areas like cancer grading. This is why it is sometimes useful to obtain a second opinion from pathologists with greater subspecialty expertise. A second opinion is also helpful if the initial findings are inconclusive, if the diagnosis appears to be a rare disease that only a handful of pathologists can expertly recognize, or if major treatment decisions are going to be based on the diagnosis.

The Department of Pathology at The Johns Hopkins is preeminent nationally and globally in the study and treatment of human disease, and in professional training in all areas of pathology and laboratory science. Our faculty and staff are committed to improving the health of the community and the world through excellence in pathology education, cutting-edge pathology research, and outstanding patient care. Currently there are over 1,400 people in the department, which includes approximately 130 full-time faculty, 34 residents, 45 graduate students, over 100 fellows, and approximately 1000 staff.

The Johns Hopkins Hospital is the only hospital in history to have earned the number one ranking for 22 years from U.S. News & World Report and an unprecedented 21 years in a row from 1991 to 2011, and 2013.

"The Johns Hopkins Medical Laboratory provides world-recognized expertise in Surgical Pathology and Cytopathology consultation. Our pathologists accept traditional glass slides or digitally scanned whole slides for second opinion consultations.

When you use our service, you or your patients may send the pathology report, a brief medical history, and traditional glass slides or digitally scanned whole slides through your local hospital pathology department or your treating physician/reporting pathologist to a designated pathologist or leave it to us to choose the most appropriate expert.

The entire process typically takes approximately three days.

Our Consult Physicians

Breast Pathology



Pedram (Peter) Argani, MD

Specialty: Surgical Pathology

Subspecialty: Renal Tumors, Breast Pathology, Biliary Pathology

Professor of Pathology, and Oncology

Dr. Argani is Director of Breast Pathology at Johns Hopkins, and is an internationally-recognized expert. Dr. Argani has over 225 publications in the peer-reviewed literature. He recently authored a book on intraoperative surgical pathology consultation (Intraoperative Frozen Sections (Demos Medical Publishing, New York, NY, 2013). He won the 2007 Arthur Purdy Stout prize from the Arthur Purdy Stout Society of Surgical Pathologists.



Ashley Marie Cimino-Mathews, MD

Specialty: Surgical Pathology

Subspecialty: Breast Pathology

Assistant Professor of Pathology

The recipient of Weill Cornell Medical College "Good Physician Award" (2008) and the Johns Hopkins Pathology Young Investigators Top Prize in Clinical Research (2011). Dr. Cimino-Mathews has over 35 publications in the peer-reviewed literature and has co-authored a book on frozen section examination. She is the chairperson of the Johns Hopkins Breast Center Pathology Communications Group, the pathology member of the Johns Hopkins Breast Center Executive Committee, and the pathology member of the Johns Hopkins Rare Tumors/Young Women Clinic.

Our Consult Physicians

Cardiovascular Pathology



Marc K. Halushka, MD, PhD

Specialty: Surgical Pathology
Subspecialty: Cardiovascular Pathology

Associate Professor of Pathology

Dr. Halushka is the current secretary of the Society for Cardiovascular Pathology. He has over 120 publications in the peer-reviewed literature and has authored several book chapters. He is leading the combined effort of the Society for Cardiovascular Pathology and Association for European Cardiovascular Pathology to develop consistent aortic histopathologic nomenclature.



Dr. Charles Steenbergen, Jr, MD, PhD

Specialty: Anatomic Pathology
Subspecialty: Cardiovascular Pathology

Professor of Pathology

Dr. Steenbergen has over 120 publications in the peer-reviewed literature and has authored several book chapters. He is a member of the Cardiovascular Pathology Group since 1984, and has worked with residents on cardiovascular pathology topics. Since moving to Johns Hopkins in 2006, he has been a member of the Cardiovascular Division of the Department of Pathology. He also presents didactic sessions on cardiovascular disease for the pathology residents and consults with the residents on the autopsy service concerning cardiovascular issues.

Specialty: Cardiovascular Pathology

Cytopathology



Syed Z. Ali, MD

Specialty: Anatomic Pathology
Subspecialty: Cytopathology

Major Expertise: Fine Needle Aspiration of Thyroid, Pancreas and Salivary glands

Dr. Syed Ali serves as Professor of Pathology and Radiology at the Johns Hopkins University School of Medicine and The Johns Hopkins Hospital in Baltimore, Maryland, USA. He is also the Director of the Division of Cytopathology and Director of the Cytopathology fellowship training program. Dr. Ali has authored well over 225 peer-reviewed articles and over 20 books, book chapters and electronic media. His latest work is the editorship of the book on "The Bethesda System for Reporting Thyroid Cytopathology", which has been translated into 4 different languages. He is on the editorial board of key scientific journals and has major appointments in several professional Pathology organizations. He has served as a member of the executive board and chair of the scientific program committee of the American Society of Cytopathology (ASC). He is the founding Editor-in-Chief of the "Journal of The American Society of Cytopathology", official journal of the ASC and is recipient of the 2012 ASC "President's award".

Our Consult Physicians

Cytopathology - cont.



Qing Kay Li, MD PhD FCAP

Specialty: Surgical Pathology
Subspecialty: Cytopathology

Associate Professor of Pathology

Dr. Li is an expert in cytopathology, with a special interest in pulmonary cytopathology and molecular biology of cancer. She has over 75 peer-reviewed publications and several book chapters. She is also the co-editor of the book "Diagnostic Cytopathology Board Review and Self-Assessment". Dr. Li has served as editorial board member for several journals, as a committee member of the American Society of Cytopathology, and on study sections for Hong Kong government and private organizations as a grant application reviewer. She is also a faculty member and co-PI in the Center of Biomarker discovery and Translation at the Johns Hopkins Medical Institutions.

Dermatopathology



Janis Marie Taube, MD

Specialty: Dermatopathology

Assistant Professor of Dermatology and Pathology

Dr. Taube is the Director of the Dermatopathology Division and Fellowship at Johns Hopkins University. She completed her anatomic pathology residency at Johns Hopkins, followed by dermatopathology fellowship training at Stanford University. She signs out routine dermatopathology as well as runs the consult service, with a focus on challenging melanocytic lesions, cutaneous lymphomas, and gynecologic-dermatopathology.

Gastrointestinal Pathology



Lysandra Voltaggio, MD

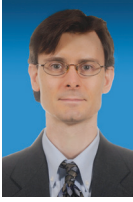
Specialty: Surgical Pathology

Sub-specialty: Gastrointestinal Pathology, Soft Tissue Pathology

Dr. Voltaggio is a surgical pathologist at Johns Hopkins, who is an author of over 20 articles and 2 textbooks. She has been an invited lecturer at institutions within the United States and also abroad. Her practice includes primarily gastrointestinal and liver pathology and she is responsible for training of Johns Hopkins Pathology residents and fellows in these areas. Though Dr. Voltaggio enjoys all aspects of gastrointestinal pathology, she has a special interest in inflammatory disorders of the gastrointestinal tract and esophagus.

Our Consult Physicians

Gynecological Pathology



Russell Stephen Vang, MD

Specialty: Gynecologic Pathology

Associate Professor of Pathology and Gynecology & Obstetrics

As Director of the Gynecologic Pathology In-house Service and a member of the Gynecologic Pathology Consultation Service, Dr. Vang has authored more than 130 original articles, case reports, book chapters, review articles, and other professional communications. His interests include clinicopathologic and immunohistochemical studies of epithelial and non-epithelial tumors of the ovary and fallopian tube. Dr. Vang is currently conducting a large population-based study of Danish women with ovarian serous borderline tumors. Lastly, he is a member of the editorial boards for Int J Gynecol Pathol, Mod Pathol, and Am J Clin Pathol.

Head and Neck Pathology



Lisa M. Rooper, MD

Specialty: Surgical Pathology

Subspecialty: Head and Neck Pathology, Endocrine Pathology

Assistant Professor of Pathology and Oncology

Dr. Rooper is Director of the Head and Neck Pathology Consultation Service. She earned her MD with honors at the University of Illinois College of Medicine and completed residency in anatomic and clinical pathology at Johns Hopkins University School of Medicine where she also received subspecialty training in head and neck pathology. She has published more than 50 peer-reviewed publications as well as several book chapters and is the recipient of the Vincent Hyams award and Leon Barnes award from the North American Society of Head and Neck Pathology for her research in head and neck pathology.

Hematopathology



Michael Joseph Borowitz, MD, PhD

Board Certification: Anatomic and Clinical Pathology

Subspecialty: Hematopathology

Professor of Pathology

The Director of the Division of Hematopathology, Dr. Borowitz has more than 200 original research publications in the peer-reviewed literature as well as more than 30 book chapters and review articles. His interests lie in the application of ancillary studies, especially flow cytometry, to the diagnosis of hematologic malignancies, and has worked extensively in the area of childhood leukemia. His consulting practice includes not only review of standard morphologic preparations of leukemias and lymphomas, but also interpretation of flow cytometry data generated at other locations.

Our Consult Physicians

Liver Pathology



Robert A. Anders, MD

Dr. Robert A. Anders is an Associate Professor of Pathology at the Johns Hopkins University School of Medicine and the current Director of Liver Pathology within the Division of Gastrointestinal and Liver Pathology at Johns Hopkins Hospital.

Dr. Anders completed medical and post-graduate training at Mayo Medical School in Rochester, Minnesota, where he received his M.D. and Ph.D. degrees in 1998. He then underwent anatomic and clinical pathology residency training followed by gastrointestinal and liver pathology clinical fellowships as well as a postdoctoral research fellowship in immunology at the University of Chicago. Dr. Anders has 98 peer-reviewed publications, including original research papers, reviews, and book chapters.



Kiyoko Oshima, MD, Ph.D.

Specialty: Surgical Pathology

Subspecialty: Hepatobiliary Pathology, Gastrointestinal Pathology

Assistant Professor of Pathology

Dr. Kiyoko Oshima is the Director of Clinical Hepatic Pathology and Assistant Professor in the Department of Pathology at the Johns Hopkins Hospital University School of Medicine. She joined the Hopkins faculty in 2017.

She has been practicing at academic institutions for more than 16 years and developed expertise in hepatobiliary and gastrointestinal pathology. She authored textbooks "Liver pathology" (Demos Medical Publishing, New York, 2015) and "Survival Guide to Gastrointestinal Mucosal Biopsies" (Innovative Pathology Press, Virginia, 2017). Her research interest is morphology of neoplastic and non-neoplastic hepatobiliary diseases.

Neuropathology



Fausto Jose Rodriguez, MD

Specialty: Anatomic Pathology

Subspecialty: Neuropathology

Associate Professor of Pathology and Oncology

Dr. Rodriguez has 70 peer-reviewed publications and numerous review articles and book chapters predominantly in the area of surgical neuropathology. His inhouse and extramural consultation service focuses on the evaluation of biopsies of the central nervous system and eye, as well as tumors of the peripheral nerve and pituitary.

Our Consult Physicians

Ophthalmologic Pathology



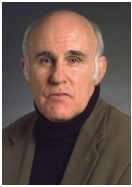
Charles Eberhart, MD, PhD

Specialty: Surgical Pathology
Subspecialty: Neuropathology and Ophthalmic Pathology

Professor of Pathology

Dr. Eberhart has been a member of the Johns Hopkins University School of Medicine faculty since 2001, and directs the divisions of Neuropathology and Ophthalmic Pathology. He is on the editorial boards of the Journal of Neuropathology and Experimental Neurology and Brain Pathology, and is a member of the Eastern Ophthalmic Pathology Society and the Verhoeff Zimmerman Society. Dr. Eberhart has published over 230 original research articles on diseases of the brain and eye, as well as 18 review articles and 7 book chapters.

Orthopaedic Pathology



Edward McCarthy, MD

Specialty: Surgical Pathology
Subspecialties: Bone and Joint Pathology

Professor of Pathology and Orthopedic Surgery

Trained in orthopedic surgery as well as pathology, Dr. McCarthy is an internationally recognized expert in the pathology of bone and joint diseases. He also runs a laboratory for the diagnosis of metabolic bone disease using computerized histomorphometry of undecalcified sections. He authored or coauthored four text books on bone and joint pathology.



Aaron W James, MD PhD

Specialty: Surgical Pathology
Subspecialties: Bone Pathology

Associate Professor of Pathology

Dr. James received his M.D. with thesis from the University of California, San Francisco with research at Stanford University. Following this he performed his postdoctoral research fellowship in Bone Biology, residency in Anatomic Pathology and fellowships in Orthopaedic Pathology and Surgical Pathology at the University of California, Los Angeles. He joined the Bone Pathology Service at Johns Hopkins in August 2016. His research interests include mechanisms of bone repair, including mesenchymal progenitor cell relationships to bone tissue. He has published over 150 peer-reviewed articles and book chapters. He is an editorial board member of the American Journal of Pathology and Bone Research, and has received many awards for his research from the International Society for Bone and Soft Tissue Pathology, the American Society for Bone and Mineral Research, and the Orthopaedic Research Society, and other societies.

Our Consult Physicians

Pancreas, Biliary Pathology



Ralph Hruban, MD

Specialty: Pancreatic Pathology, Biliary Pathology

Baxley Professor of Pathology and Oncology

Dr. Hruban is the Director of The Sol Goldman Pancreatic Cancer Research Center, and Director of of the Pathology Department. Dr. Hruban has over 700 scientific papers in peer-reviewed literature, over 80 book chapters and reviews, and seven books including: Surgical Pathology Dissection, An Illustrated Guide, 2nd edition (2003); AFIP Atlas of Tumor Pathology: Tumors of the Pancreas, 4th series (2007); and WHO Classification of the Digestive System (2010). He helped create the Johns Hopkins Pancreatic Cancer website (<http://pathology.jhu.edu/pancreas>), and he led the team that developed a novel pancreatic pathology teaching application for the iPad (<https://itunes.apple.com/us/app/atlas-of-pancreas-pathology/id474845392?mt=8>).



Elizabeth D. Thompson, M.D., Ph.D.

Specialty: Surgical Pathology

Subspecialty: Pancreatic Pathology

Assistant Professor of Pathology and Oncology

Dr. Thompson received her medical training at the University of Virginia School of Medicine and completed her pathology residency training at Johns Hopkins. She signs out general surgical pathology with a subspecialty interest and expertise in pancreatic pathology. In addition to her clinical activities, Dr. Thompson conducts clinical and translational research on the tumor immune microenvironment in pancreatic neoplasia. She is the author of numerous peer-reviewed articles and a book chapter in *The Pancreas: An Integrated Textbook of Basic Science, Medicine, and Surgery* (Wiley, 2018) the most comprehensive reference book on pancreatic disease. Dr. Thompson serves as the pathology representative to the Johns Hopkins Pancreatic Tumor Multidisciplinary Clinic, the Pancreatic Cyst Multidisciplinary Clinic and the General Pancreatobiliary Tumor Board.

Our Consult Physicians

Pediatric Pathology



Avi Rosenberg, MD, PhD

Specialty:
Subspecialty:

5 gg]g]bhProfessor of Pathology



Pedram (Peter) Argani, MD

Specialty: Surgical Pathology
Subspecialty: Renal Tumors, Breast Pathology, Biliary Pathology

Professor of Pathology, and Oncology

Dr. Argani is Director of Breast Pathology at Johns Hopkins, and is an internationally-recognized expert. Dr. Argani has over 225 publications in the peer-reviewed literature. He recently authored a book on intraoperative surgical pathology consultation {Intraoperative Frozen Sections (Demos Medical Publishing, New York, NY, 2013). He won the 2007 Arthur Purdy Stout prize from the Arthur Purdy Stout Society of Surgical Pathologists.

Pulmonary Pathology



Peter Gela Illei, MD

Specialty: Surgical Pathology / Cytopathology

Assistant Professor of Pathology

Dr. Illei's main interest is in thoracic cytopathology/surgical pathology, immunohistochemistry/in situ hybridization methods and the study of mesothelial proliferations. His research is focusing on developing and adopting novel diagnostic assays that can enhance our diagnostic accuracy and provide prognostic information for therapy. Dr. Illei is also interested in the diagnosing the primary site of metastatic carcinoma of unknown origin. Dr. Illei has 88 publications in the peer-reviewed literature, co-authored a book chapter and was the recipient of the Pulmonary Pathology Society First Prize in 2002. Dr. Illei's main interest is in thoracic cytopathology/surgical pathology, immunohistochemistry/in situ hybridization methods and the study of mesothelial proliferations. His research is focusing on developing and adopting novel diagnostic assays that can enhance our diagnostic accuracy and provide prognostic information for therapy. Dr. Illei is also interested in the diagnosing the primary site of metastatic carcinoma of unknown origin.

Renal Pathology



Lois J. Arend, MD, PhD

Specialty: Surgical Pathology
Subspecialty: Renal Pathology, Transplant Pathology

Associate Professor of Pathology, Director of Renal Pathology Training and Research, Director of Pathology Clinical Fellowship Programs, Treasurer of Renal Pathology Society

Dr. Arend has published more than 60 peer-reviewed articles and reviews on basic science and clinical kidney research. She has been awarded research grants from the National Institutes of Health and the National Kidney Foundation. Dr. Arend is author or co-author of four book chapters including: Introduction to Renal Biopsy In: Foundations in Diagnostic Pathology; Pyelonephritis and Other Infections, Reflux Nephropathy, Interstitial Nephritis, and Nephrolithiasis In: Heptinstall's Pathology of the Kidney, Sixth Edition (2007); Tubulointerstitial Disease In: Practical Renal Pathology: A Diagnostic Approach (2013); Pyelonephritis, Reflux Nephropathy, Hydronephrosis, and Nephrolithiasis In: Heptinstall's Pathology of the Kidney, Seventh Edition (2015). Dr. Arend has served on the Medical Advisory Board of the Kidney Foundation of Greater Cincinnati (2005-2010), the Program Committee for the American Society of Nephrology (2003), and has served on numerous committees for the international Renal Pathology Society.



Serena M. Bagnasco, MD

Specialty: Surgical Pathology
Subspecialty: Renal Pathology

Associate Professor of Pathology, Director of Renal Pathology Service

Dr. Bagnasco has more than 60 peer-reviewed publications and reviews on clinical and basic kidney research, and has been awarded research grants from NIH, American Heart Association, and National Kidney Foundation of Maryland. Dr. Bagnasco is actively involved in national and international multi-centric studies in native and transplanted kidney disease.

Soft Tissue



Lysandra Voltaggio, MD

Specialty: Surgical Pathology
Sub-specialty: Gastrointestinal Pathology, Soft Tissue Pathology

Dr. Voltaggio is a surgical pathologist at Johns Hopkins, who is an author of over 20 articles and 2 textbooks. She has been an invited lecturer at institutions within the United States and also abroad. Her practice includes primarily gastrointestinal and liver pathology and she is responsible for training of Johns Hopkins Pathology residents and fellows in these areas. Though Dr. Voltaggio enjoys all aspects of gastrointestinal pathology, she has a special interest in inflammatory disorders of the gastrointestinal tract and esophagus.

Our Consult Physicians

Soft Tissue cont.



John Gross, MD, MS

Specialty: Surgical Pathology
Sub-specialty: Bone Pathology, Soft Tissue Pathology

Dr. Gross was born and raised in Omaha, NE where he obtained his Bachelor's, Master's, Medical Degree and completed Anatomic and Clinical Pathology residency at Creighton University. Following pathology residency, Dr. Gross completed fellowship training in bone and soft tissue pathology at the University of Washington in Seattle, WA followed by additional fellowship training in surgical pathology at the Mayo Clinic in Rochester, MN. In 2020, Dr. Gross joined the Department of Pathology at Johns Hopkins as an assistant professor where he brings expertise in bone and soft tissue and surgical pathology. Dr. Gross has an academic interest in bone and soft tissue tumors and has authored over a half dozen articles and chapters as well as given national and international presentations on sarcoma pathology.

Urologic Pathology



Jonathan I. Epstein, MD

Specialty: Surgical Pathology
Subspecialty: Urologic Pathology

Professor of Pathology, Urology and Oncology

The recipient of the Reinhard Chair of Urological Pathology, and Director of Surgical Pathology, Dr. Epstein is past president of the International Society of Urological Pathology. Dr. Epstein has 762 publications in the peer-reviewed literature and has authored 51 book chapters including Disorders of the Prostate Gland in Sternberg's Diagnostic Surgical Pathology & Campbell's Urology & Robbins Pathology Textbook. He is the author/coauthor of 7 books including: Interpretation of Prostate Biopsies (5th edition); Bladder Biopsy Interpretation (2nd edition); WHO Pathology & Genetics of the Urinary System and Male Genital Tract (2004); AFIP Atlas of Tumor Pathology: Tumors of the Prostate Gland, Seminal Vesicles, Male Urethra and Penis. 4th Series 2011; The Gleason Grading System: A Complete Guide for Pathologists and Clinicians (2013); and Differential Diagnoses in Surgical Pathology: Genitourinary System (2014).



Andres Matoso, MD

Specialty: Surgical Pathology
Subspecialty: Urologic Pathology

Assistant Professor of Pathology, Urology and Oncology

Dr. Matoso received his M.D. from the University of Buenos Aires in 2002 followed by residency training in Urology also in Buenos Aires, Argentina. Upon moving to the US, he was a postdoctoral research fellow in cancer biology at Cornell University. Subsequently, he did his residency training in Anatomic and Clinical Pathology at Brown University. He joined the Urologic Pathology Service at Johns Hopkins in January 2017. His research interests include molecular alterations associated with bladder cancer development and progression and clinicopathologic characterization of rare urologic tumors. He has published over 60 peer-reviewed articles and 3 book chapters and received many awards for his work including the Stowell-Orbison Award from The United States and Canadian Academy of Pathology.

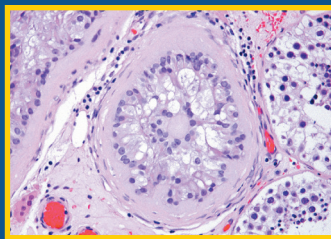
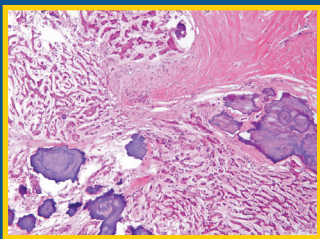
When you need a 2nd opinion in pathology, why not choose the experts who wrote the books?

Johns Hopkins is home to many of the world's leaders in Pathology. We have written many of the leading textbooks in diagnostic pathology, including a number of the Armed Forces Institute of Pathology fascicles and World Health Organization blue books.

Our pathologists currently see in consultation over 26,000 cases per year.



Our pathologists present several current Hopkins and consult cases each week along with their differential diagnoses and discussion in a **FREE Surgical Pathology Conference**.
<http://apps.pathology.jhu.edu/sp>



LARGE CELL CALCIFYING SERTOLI CELL TUMOR ASSOCIATED WITH INTRATUBULAR HYALINIZING SERTOLI CELL NEOPLASIA.

Consult Problem?

If you experience a problem with your consult, our medical director, **Jonathan Epstein, M.D.** can be reached by email.

Dr. Epstein's email address is jepstein@jhmi.edu

