Johns Hopkins Anatomic Pathology Consultation Service

Surgical Pathology and Cytopathology
**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 slide second opinion consultations or digitally scanned whole slides.

When you use our service, you may direct your case 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.

**Specialty:** Breast Pathology

**Ashley Marie Cimino-Mathews, MD**

**Specialty:** Surgical Pathology  
**Subspeciality:** 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.

**Specialty:** Breast Pathology
Our Consult Physicians

Cardiovascular Pathology

Marc K. Halushka, MD, PhD

Specialty: Surgical Pathology
Subspeciality: 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.

Specialty: Cardiovascular Pathology

Dr. Charles Steenbergen, Jr, MD, PhD

Specialty: Anatomic Pathology
Subspeciality: 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
Subspeciality: 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”.

Specialty: Cytopathology
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.

**Specialty:** Cardiovascular Pathology

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.

Gulsun Erdag, MD

**Specialty:** Dermatopathology  
**Assistant Professor of Dermatology and Pathology**

Dr. Erdag is board certified in Anatomic Pathology and Clinical Pathology and Dermatopathology. Dr. Erdag has over 35 publications in peer reviewed literature. Her consultation service focuses on cutaneous inflammatory diseases and neoplasms.
Our Consult Physicians

Gastrointestinal Pathology

Elizabeth Anne Montgomery, MD

Specialty: Surgical Pathology
Subspecialties: Gastrointestinal Pathology, Soft tissue Pathology, Orthopedic Surgery

Professor of Pathology, Director of Clinical Gastrointestinal Pathology

Past president of US Gastrointestinal Pathology Society

Dr. Montgomery has 245 publications in peer reviewed literature and has authored 40 book chapters. She is the author/coauthor of 8 books, including Clinical Pathology of Soft Tissue Tumors, Gastrointestinal and Liver Pathology (2nd edition), Biopsy Interpretation of the Gastrointestinal Tract mucosa (2nd edition, volumes 1 and 2), Diagnostic Pathology: Gastrointestinal, Diagnostic Pathology: Soft Tissue, Biopsy Interpretation of the Soft Tissues, and Neoplastic Dermatopathology.

Specialty: GI Pathology

Lysandra Voltaggio, MD

Specialty: Surgical Pathology
Sub-specialty: Gastrointestinal 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.

Gynecological Pathology

Russell Stephen Vang, MD

Subspecialty: Gynecologic Pathology

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.

Specialty: Gynecologic Pathology

Head and Neck Pathology

Justin Avery Bishop, MD

Specialty Surgical: Surgical Pathology
Subspecialty: Head and Neck Pathology, Endocrine Pathology

Associate Professor of Pathology and Otolaryngology- Head and Neck Surgery

Dr. Bishop is the Director of the Immunohistochemistry laboratory and Associate Director of the Head and Neck Consultation Service. Dr. Bishop is a member of the editorial boards for the journals American Journal of Surgical Pathology and Head and Neck Pathology. He has authored over 80 peer-reviewed journal articles, 2 books, and several book chapters and review articles.

Specialty: Head and Neck Pathology
Our Consult Physicians

Head and Neck Pathology - cont.

William Henry Westra, MD
Specialty: Surgical Pathology
Subspeciality: Head & Neck Pathology, Endocrine Pathology

Professor of Pathology, Otolaryngology- Head & Neck Surgery, Oncology
Associate Professor of Dermatology

Dr. Westra is the Associate Director of Surgical Pathology, and Director of the Head and Neck Pathology Consultative Services. He has over 300 publications in peer-reviewed literature and he has authored 6 book chapters in standard textbooks on tumors of the head and neck including the World Health Organization’s Classification of Tumors of the Head and Neck. He is the author/coauthor of 4 books including: Surgical Pathology Dissection - An Illustrated Guide, and Atlas of Thyroid Cytopathology with Histopathologic Correlations.

Specialty: Head and Neck Pathology

Hematopathology

Michael Joseph Borowitz, MD, PhD

Board Certification: Anatomic and Clinical Pathology
Subspeciality: 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.

Specialty: Hematopathology

Amy S. Duffield, MD, PhD

Specialty: Hematologic Pathology

Assistant Professor of Pathology

Dr. Duffield earned an MD and PhD degree from Yale University, and completed training in anatomic, clinical and hematologic pathology at Johns Hopkins. She 25 peer-reviewed publications on basic research and hematologic pathology, and has co-authored several reviews and book chapters.

Specialty: Hematopathology

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 postgraduate 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.
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.

**Specialty:** Neuropathology

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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.

**Specialty:** Ophthalmologic Pathology

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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.

**Specialty:** Orthopaedic Pathology
Our Consult Physicians

Orthopaedic Pathology - cont.

Elizabeth Anne Montgomery, MD

Specialty: Surgical Pathology
Subspecialties: Gastrointestinal Pathology, Soft tissue Pathology, Orthopedic Surgery

Professor of Pathology, Director of Clinical Gastrointestinal Pathology

Past president of US Gastrointestinal Pathology Society

Dr. Montgomery has 245 publications in peer reviewed literature and has authored 40 book chapters. She is the author/coauthor of 8 books, including Clinical Pathology of Soft Tissue Tumors, Gastrointestinal and Liver Pathology (2nd edition), Biopsy Interpretation of the Gastrointestinal Tract mucosa (2nd edition, volumes 1 and 2), Diagnostic Pathology: Gastrointestinal, Diagnostic Pathology: Soft Tissue, Biopsy Interpretation of the Soft Tissues, and Neoplastic Dermatopathology.

Specialty: Orthopaedic Pathology

Pancreas, Biliary Pathology

Ralph Hruban, MD

Specialty: Pancreatic Pathology

Professor of Pathology and Oncology


Specialty: Pancreas, Biliary Pathology

Pediatric Pathology

Fredric B. Askin, MD

Specialty: Surgical Pathology
Subspecialty: Adult and Pediatric Pulmonary Pathology

Professor of Pathology

Dr. Askin is the Chief of Pathology at Johns Hopkins Bayview Medical Center and was the former Director of Surgical Pathology at the Johns Hopkins Hospital. Dr. Askin has numerous peer reviewed publications in the field of neoplastic and non neoplastic pediatric and adult pulmonary pathology. He is a co-author of several books including Katzenstein and Askin’s Surgical Pathology of Non-neoplastic Lung Disease and he is the author of numerous chapters in other textbooks concerning adult and pediatric pulmonary pathology.

Specialty: Pediatric Pathology
Our Consult Physicians

Pediatric Pathology - Cont.

**Deborah Belchis, MD**

**Specialty:** Surgical Pathology  
**Subspecialty:** Pulmonary Pathology, Pediatric Pathology, Cytopathology

**Associate Professor of Pathology (PAR)**

Dr. Belchis is a nationally recognized expert in pediatric pathology, pulmonary pathology, and cytopathology. Her interests in both neoplastic and non-neoplastic diseases of the lung have led to identification of new clinicopathologic entities in these areas. She is an active member of the Lung Cancer program at JHH, and participates in the Pulmonary Pathology Consultation Service. She has subspecialty boards in pediatric pathology and cytopathology. She is the institutional pathologist for the Children's Oncology Group and has served as a referral pathologist for the COG Neuroblastoma study group.

Pulmonary Pathology

**Fredric B. Askin, MD**

**Specialty:** Surgical Pathology  
**Subspecialty:** Adult and Pediatric Pulmonary Pathology

**Professor of Pathology**

Dr. Askin is the Chief of Pathology at Johns Hopkins Bayview Medical Center and was the former Director of Surgical Pathology at the Johns Hopkins Hospital. Dr. Askin has numerous peer reviewed publications in the field of neoplastic and non neoplastic pulmonary and adult pulmonary pathology. He is a co-author of several books including Katzenstein and Askin's Surgical Pathology of Non-neoplastic Lung Disease and he is the author of numerous chapters in other textbooks concerning adult and pediatric pulmonary pathology.

**Specialty:** Pulmonary Pathology

**Deborah Belchis, MD**

**Specialty:** Surgical Pathology  
**Subspecialty:** Pulmonary Pathology, Pediatric Pathology, Cytopathology

**Associate Professor of Pathology (PAR)**

Dr. Belchis is a nationally recognized expert in pediatric pathology, pulmonary pathology, and cytopathology. Her interests in both neoplastic and non-neoplastic diseases of the lung have led to identification of new clinicopathologic entities in these areas. She is an active member of the Lung Cancer program at JHH, and participates in the Pulmonary Pathology Consultation Service. She has subspecialty boards in pediatric pathology and cytopathology. She is the institutional pathologist for the Children’s Oncology Group and has served as a referral pathologist for the COG Neuroblastoma study group.
Our Consult Physicians

Renal Pathology

Lois J. Arend, MD, PhD

Specialty: Surgical Pathology
Subspecialty: Renal Pathology, Transplant Pathology

Assistant 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.

Specialty: Renal Pathology

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.

Specialty: Renal 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.

Specialty: Adult Pulmonary Pathology
Our Consult Physicians

Soft Tissue

Elizabeth Anne Montgomery, MD
Specialty: Surgical Pathology
Subspecialties: Gastrointestinal Pathology, Soft tissue Pathology, Orthopedic Surgery
Professor of Pathology, Director of Clinical Gastrointestinal Pathology
Past president of US Gastrointestinal Pathology Society
Dr. Montgomery has 245 publications in peer reviewed literature and has authored 40 book chapters. She is the author/coauthor of 8 books, including Clinical Pathology of Soft Tissue Tumors, Gastrointestinal and Liver Pathology (2nd edition), Biopsy Interpretation of the Gastrointestinal Tract mucosa (2nd edition, volumes 1 and 2), Diagnostic Pathology: Gastrointestinal, Diagnostic Pathology: Soft Tissue, Biopsy Interpretation of the Soft Tissues, and Neoplastic Dermatopathology.

Specialty: Soft Tissue

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).

Specialty: Urologic 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.

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