Cleveland Clinic Laboratories

Anatomic Pathology
OUR MISSION

Cleveland Clinic Laboratories contributes to excellent patient care by providing high-quality, comprehensive laboratory testing and patient-focused expert consultation. This mission is supported by innovative research and new test development, exceptional customer service, continuous quality improvement, and leadership in education.

OUR VISION

Our laboratories will provide the highest quality laboratory testing and expert pathology diagnosis to patients institutionally, regionally, nationally, and internationally.

OUR VALUES

Clinical Excellence
We provide comprehensive and high-quality pathology interpretations and laboratory testing in a patient-responsive manner.

Expert Diagnosis
To ensure the best patient care, our subspecialty experts are available for direct consultation with clinicians about the patient diagnoses that we provide.

Continuous Quality Improvement
We are continuously evaluating and implementing the best practices in laboratory testing across the testing spectrum.

Dedication to Our Staff
We believe that our staff is our most valuable resource. We ensure that they are supported and recognized for their accomplishments.

Innovative Test Development
A continual focus on new test development is important to provide the best capabilities for patient diagnosis.

Research and Education
We believe that research and its resulting innovations provide the foundations for the future of patient care, while education helps to ensure that present and future patients will be well cared for.
Anatomic Pathology Services

Anatomic pathology plays a key role in patient care through disease diagnosis and management. Pathologists, community-based clinicians, and institutions across the country and around the world have relied on Cleveland Clinic Laboratories to deliver comprehensive and personalized anatomic pathology services in addition to clinical laboratory testing.

The same staff of more than 60 anatomic pathologists who provide diagnostic interpretations for Cleveland Clinic patients also provide the same diagnostic services for Cleveland Clinic Laboratories clients by utilizing a subspecialty expert sign-out system and leading edge technology.

Currently, our subspecialty pathologists interpret more than 170,000 surgical pathology cases and 85,000 cytology specimens annually, including over 22,000 non-gynecologic specimens.
Subspecialty Consultative Services

Cleveland Clinic Laboratories offers second opinion pathology consultations for surgical pathology, cytology, and hematopathology cases. Pathology specimens submitted to Cleveland Clinic Laboratories are triaged to one of our 14 subspecialty teams. Our subspecialty teams are comprised of nationally- and internationally-renowned pathologists with exceptional diagnostic expertise in their specific fields of pathology.

In addition, each subspecialty service conducts a daily consensus review session of unique and challenging cases to leverage the diagnostic expertise of each team member.

This subspecialty approach ensures that every examined specimen is reviewed by expert pathologists that are well versed in the current standards of care in their subspecialties and aware of the clinical and therapeutic aspects of their diagnoses. Our aim is to provide our clients with superior quality consults and rapid turnaround times while administering focused attention to each case.

Experience and Expertise

Cleveland Clinic anatomic pathologists are highly accomplished and widely recognized for their clinical and diagnostic expertise in their subspecialties. Our staff includes nationally- and internationally-recognized experts in their fields, who often are invited as guest lecturers throughout the world. Many of our pathologists have attained leadership positions in their national professional societies and are known for their contributions to research and advancements in diagnostic pathology.
Specialized Capabilities

In addition to conventional histologic and cytologic evaluation of anatomic pathology specimens, our pathologists utilize and maintain expertise in state-of-the-art ancillary techniques, including:

• Molecular Pathology
• Immunohistochemistry and Immunofluorescence
• Electron Microscopy
• Cytogenetics
Center for ePathology

Cleveland Clinic Laboratories uses the latest technology in high resolution digital scanning and web-based viewing platforms to supplement conventional surgical pathology consultation diagnostic services. ePathology cases submitted to Cleveland Clinic Laboratories are triaged to our subspecialty teams comprised of the same experienced, specialty-trained anatomic pathologists who provide diagnostic services for Cleveland Clinic patients.

For consultation clients who seek immunohistochemical stains without interpretation, CCL also offers eIHC services. Unstained slides or blocks can be immunohistochemically stained and scanned, and high resolution images are made available for viewing and interpretation without the delays inherent in mail services. Slides and blocks are then returned to clients.

Research and Development

Research and development are important activities of our laboratories. We strive to develop new tests to better diagnose disease and manage patients. Translational research efforts span a wide variety of activities and include predictive and prognostic biomarker development, clinical trials, correlative science, and new assay development funded through governmental and non-governmental sources. Our collaborators include local, national, and international partners.
Our Service Commitment

Cleveland Clinic Laboratories is committed to providing world-class anatomic pathology services with timely turnaround to meet the needs of the referring physician.

We look forward to working together with you.
Breast Pathology

The Breast Pathology service provides diagnostic expertise in the interpretation of breast lesions from various specimen types, including needle core biopsies, lumpectomies, and mastectomy specimens.

To complement the traditional histologic diagnosis of breast cancer, our pathologists also provide interpretation of special studies, including immunohistochemistry testing for estrogen/progesterone receptors and molecular testing such as HER2 FISH.

Cardiovascular Pathology

The Cardiovascular Pathology service offers expertise in pediatric and adult cardiovascular pathology.

Our pathologists offer a full range of services, including evaluation of congenital cardiovascular malformations, heart valve pathology, vascular pathology and acquired heart disease, diagnosis of cardiomyopathies, diagnosis of primary cardiac disease by light, immunofluorescence and transmission electron microscopy, heart transplant surveillance for cellular and antibody-mediated rejection, and evaluation of the cardiac conduction system and implantable cardiovascular devices.
Cytopathology

Cleveland Clinic’s Cytopathology laboratory evaluates more than 65,000 gynecologic and 22,000 non-gynecologic specimens and has expertise in diagnosing a wide breadth of disease categories.

Our experienced cytopathologists are subspecialty board certified and offer second opinion consultations in the interpretation of challenging fine needle aspiration biopsies from a variety of superficial and deep-seated lesions, including thyroid, head and neck, lung, and pancreas.

Dermatopathology

The Dermatopathology consultative group offers a complete cutaneous disease diagnostic program, including evaluation of wet tissue specimens and expert second opinion consultations.

Our staff consists of board certified dermatopathologists with extensive experience in the diagnosis of neoplastic and inflammatory skin diseases, including melanocytic lesions, cutaneous soft tissue tumors, cutaneous lymphocytic tumors, inflammatory skin diseases, and alopecia.

Each year, the dermatopathology service group provides expert diagnosis and second opinions for more than 25,000 in-house and referral cases, including the rarest and most complex cases in the field.
**Gastrointestinal Pathology**

The Gastrointestinal Pathology consultative service offers a complete gastrointestinal disease management program, including diagnosis, therapeutic monitoring, and disease tracking for neoplastic and non-neoplastic digestive diseases.

Our faculty members are subspecialty trained in gastrointestinal, hepatic, and pancreaticobiliary pathology with years of subspecialty practice in a challenging multidisciplinary academic environment. The gastrointestinal subspecialty faculty provides expert diagnosis and second opinions on more than 4,000 cases annually.

In addition to conventional techniques for the evaluation of specimens, we also offer an extensive in-house immunohistochemical test menu and molecular pathology testing, which allow for accurate diagnoses and prognosis of gastrointestinal neoplasia.

**Genitourinary Pathology**

The Genitourinary Pathology consultative group specializes in a complete genitourinary and adrenal disease management program, including diagnosis of biopsy and resection specimens, evaluation for histological and molecular prognostic markers, and therapeutic response monitoring.

Our faculty provides expert diagnosis and second opinion consults on more than 5,000 in-house and referral cases, including neoplastic and non-neoplastic diseases of the prostate, testis, bladder, ureter, kidney, and adrenal glands.
Gynecologic Pathology

The Gynecologic Pathology subspecialty service provides interpretation and analysis of more than 10,000 specimens annually, representing the full spectrum of gynecological pathology, including surgical oncology.

Special interests include cervical intraepithelial lesions, ovarian tumors, prediction of chemosensitivity of ovarian carcinoma, protein expression in vulvar intraepithelial neoplasia, and applications of microarray analysis.

Head and Neck Pathology

The Head and Neck pathology group evaluates over 4,000 surgical and biopsy specimens each year, encompassing a wide spectrum of consultation cases.

Our pathologists have developed experience and expertise in the evaluation of a range of head and neck pathology, including thyroid and endocrine disorders, salivary gland neoplasms, and challenging squamous lesions. They are also experienced in the evaluation of complex head and neck resection specimens, including the oral cavity, larynx, ear, salivary gland, and nasopharynx.

Hematopathology Diagnostic Services

Cleveland Clinic Laboratories offers a full range of pathology expertise and advanced laboratory diagnostics for hematology.

Our menu combines the state-of-the art laboratory diagnostics required in modern hematology practice with a foundation of expert consultation for bone marrow biopsies and lymphoid tissues. Our offerings in flow cytometry, molecular hematology, immunohistochemistry, and cytogenetic karyotyping supply the data needed to answer today’s complex hematology questions, while interpretation by our subspecialty-trained hematopathologists complements this data with meaningful clinical context.
Hepatopancreaticobiliary Pathology

The Hepatopancreaticobiliary Pathology service provides diagnostic interpretations and consultations for biopsy and resection specimens from the liver, biliary tree, and pancreas.

Our subspecialty pathologists have expertise and special interest in a variety of diseases, including viral hepatitis, fatty liver disease, primary biliary diseases, and chronic liver diseases as well as hepatic, pancreatic, and biliary tumors. Our staff is also able to provide comprehensive consultations on the interpretation of allograft dysfunction after liver and pancreas transplantation.

Medical Kidney Pathology

The Medical Kidney consultative group provides comprehensive consultative evaluation of medical kidney biopsy specimens. Conventional light microscopic evaluation as well as immunofluorescence, molecular techniques, and electron microscopy are used to arrive at the most specific diagnosis possible.

A wide range of services is offered, including full consultation with processing of wet tissue, full professional interpretation, or performance of the technical component only for electron microscopy. This service allows customization to fulfill each client’s individual needs.

Specialty interests cover all areas of medical renal disease, including nephrotic syndrome, acute renal failure, chronic renal failure, ANCA-associated renal disease, immune complex medicated disease, fibril associated glomerular disease, and transplant evaluation.
Neuropathology

The Neuropathology consultative group specializes in the pathological evaluation and interpretation of patient specimens from the central and peripheral nervous systems and skeletal muscle.

The breadth of expertise encompasses neoplastic and non-neoplastic pathology with special expertise in brain tumors, epilepsy-related conditions, and neuromuscular diseases.

Pulmonary Pathology

The Pulmonary Pathology consultative group offers evaluation of specimens for neoplastic and non-neoplastic lung diseases with expertise in neoplastic lung disease, occupational lung disease, and transplantation pathology.

Our pathologists utilize molecular biology, immunohistochemistry, and ultrastructural techniques in their diagnostic workups. Ultrastructural and elemental/particle analyses are available for cases of occupational lung disease.

Soft Tissue and Bone Pathology

Our nationally- and internationally-recognized Soft Tissue and Bone pathologists have extensive experience and expertise with the diagnosis of soft tissue and bone tumors. They provide expert primary diagnoses and second opinions on some of the most difficult cases and have written authoritative works concerning many of these tumors.

Our highly experienced pathologists provide comprehensive evaluations of benign and malignant neoplasms arising in bone and soft tissue as well as mesenchymal neoplasms of the skin and parenchymal organs. We also offer state-of-the-art tests to aid in a patient’s diagnosis, including cytogenetics, immunohistochemistry, molecular analysis, and electron microscopy.
Contact Us

For more information about anatomic pathology services at Cleveland Clinic Laboratories, please contact:

General Information and Sales Inquiries
216.448.8407
216.448.8116
216.448.8130 (fax)
clevelandcliniclabs@ccf.org

Client Services
216.444.5755
800.628.6818 (toll free)
216.444.0460 (fax)
clientservices@ccf.org

Specimen Shipping

Please do not send specimens to the 9500 Euclid Ave address. Specimens sent to our US Mail address are subject to significant delays in processing and may be at risk for specimen integrity problems.

UPS, FedEx, DHL Packages
Cleveland Clinic Laboratories
AP Consultative Services
2119 E. 93rd Street, L25
Cleveland, OH  44106
Cleveland Clinic

Every life deserves world class care.

9500 Euclid Ave., Cleveland, OH 44195

Cleveland Clinic is a nonprofit, multispecialty academic medical center integrating clinical and hospital care with research and education for better patient care. More than 3,200 staff physicians and researchers in 120 medical specialties provide services through 27 patient-centered institutes. Cleveland Clinic's health system comprises a main campus, eight regional hospitals and more than 90 outpatient locations, with 18 family health centers in northern Ohio, and medical facilities in Florida, Nevada, Toronto and Abu Dhabi. Cleveland Clinic is consistently ranked among the top five hospitals in America (U.S. News & World Report).
clevelandclinic.org

©2017 The Cleveland Clinic Foundation