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The Department provides the highest quality science-based diagnostic services in anatomic pathology and laboratory medicine; pursues innovative basic and clinical research to improve the diagnosis and management of disease; and promotes an integrated scientific and clinical education for pathology residents, fellows, and graduate students.Read more about us Video of WeillCornell MaxLoda Final 2021 06 21 Dr. Loda's Vision for the Pathology and Laboratory Medicine Department WCM Pathology and Laboratory Medicine Chair Dr. Massimo (Max) Loda explains his vision for the department. Metastasis. Its the word cancer patients dread most and the scan with ominous black spots showing the disease has spread. For too many people, metastatic cancer is kept at bay only for a short time, with chemotherapy and radiation, before the disease returns or the harsh treatments fatally weaken the body.For more than 20 years,Nancy Du, associate professor of pathology and laboratory medicine and the Rasweiler Family Research Scholar in Cancer Research at Weill Cornell Medicine, has researched how metastatic cancer arises. With a $500,000 grant over three years from the Congressionally... Dr. Teresa Sanchez, associate professor of pathology and laboratory medicine and associate professor of neuroscience in theFeil Family Brain and Mind Research Instituteat Weill Cornell Medicine,has been awarded the highly competitive Established Investigator Award from the American Heart Association. Check out our X feed for the latest news. Your contribution helps bolster our efforts to improve the care of patients and expand our knowledge of how diseases develop and progress. You can support a specific program, area of study, or honor an individual physician or researcher. Unrestricted gifts expand our programs, and help purchase the latest, most sophisticated equipment. The Department of Pathology at NYU Langone Health has been a pioneer in the field of pathology since its inception in the 1880s. Our interdisciplinary team of anatomic and clinical pathologists, educators, and translational and basic scientists work to advance our knowledge of disease mechanisms, provide cutting-edge clinical diagnostic services, and educate the next generation of leaders in pathology. Our board-certified pathologists provide diagnostic expertise in anatomic pathology and clinical laboratory medicine for the patients we serve at NYU Langone, its affiliated hospitals, outreach services, and physicians practices. Our research faculty work in diverse areas, including fundamental aspects of immunology, antitumor immunity, molecular oncology, metabolism, and neurodegeneration. We are home to two graduate training programs, one in molecular oncology and tumor immunology and one in immunology and inflammation, which place PhD students in cutting-edge basic and translational research laboratories; an Accreditation Council for Graduate Medical Educationaccredited residency with several tracks; and fellowships in multiple pathology subspecialties. Our research faculty lead innovative studies to explore fundamental aspects of disease mechanisms. Our events bring pathologists together to discuss the latest research advances. Read some of the latest papers published by our investigators. Our quarterly newsletter highlights the accomplishments of our faculty and trainees. We offer a range of anatomic pathology and clinical laboratory services. Thank you for printing content from NYU Langone Health. 2025 NYU Grossman School of Medicine. Skip to content Back to top Building upon its rich history, which includes the Papanicolaou Cytopathology Laboratory where the "Pap Smear" was developed, our clinical pathology staff brings a wealth of expertise to the practice of laboratory and pathology medicine. Over three million laboratory tests are performed annually using state-of-the-art facilities and techniques such as robotic automation.Over three million laboratory tests are performed annually using state-of-the-art facilities and techniques such as robotic automation. Weill Cornell Medicine's New York City-based Pathology provides microscopic examinations of tissue samples, blood tests, drug monitoring, viral studies, body fluid analyses, and other tests, with a wide range of subspecialty areas. The specialties include hematopathology, breast pathology, dermatopathology, cytopathology and aspiration biopsy, renal pathology, special hematology and coagulation tests, molecular pathology, and perinatal and pediatric pathology.More than sixty MD and PhD scientists staff the pathology laboratories. All are full-time, board-certified faculty at Weill Cornell Medical College with expertise in a wide range of pathology subspecialties. Building on their expertise, we have developed a nation-wide diagnostic and patient management consultation service.Consultation ServicesThe Department of Pathology and Laboratory Medicine at NewYork-Presbyterian/Weill Cornell Medicine is home to one of the busiest and most experienced pathology consultation services in the United States. Our pathologists are subspecialty trained, setting us apart from other pathology laboratories. The expertise of Weill Cornell pathologists is widely sought by external pathologists, clinicians, and patients requesting an expert consultation in pathology.Referring physicians and patients benefit from:Consultation and case review with diagnostic experts in various subspecialties of pathologyDirect communication with the pathologist and guidance on appropriate management.Intradepartmental peer-review quality assurance program; Quality practice.State-of-the-art, full service laboratories including immunohistochemistry and molecular analysis.Coordination of specimen transport via local messenger or overnight carrier.Rapid turnaround time (24-48 hours).If you are a patient, you will need to submit your surgical pathology slides, the related pathology reports, and a completed Consultation Request form to the contact person listed on the individual sub-specialty consultation page. Please select the relevant link above for details. You can also call 212-746-2700 between 8:00am-6:00 E.S.T., Monday through Friday.Weill Cornell's pathologists have been consistently recognized in New York Magazine's "Best Doctors in New York" issue and Castle Connolly's renowned America's Top Doctors-New York Metro Area Edition. Pathology is the branch of medicine that assesses the effects of disease on the body. NewYork-Presbyterian through the Department of Pathology and Laboratory Medicine at NewYork-Presbyterian/Weill Cornell Medical Center and the Department of Pathology at NewYork-Presbyterian/Columbia University Medical Center provides a full range of diagnostic and assessment services. The Departments provide microscopic examinations of tissue samples, blood tests, drug monitoring, viral studies, body fluid analyses, and other tests, with a wide range of subspecialty areas. The specialties include hematopathology, breast pathology, dermatopathology, cytopathology and aspiration biopsy, renal pathology, special hematology and coagulation tests, and perinatal and pediatric pathology.At NewYork-Presbyterian/Columbia, in addition to normal pathology services, the Department of Pathology works closely with the Department of Neurology at the Taub Institute for Research on Alzheimer's Disease and the Aging Brain. This interdisciplinary Institute was created to develop the means to identify individuals at risk of Alzheimer's disease, as well as to devise new therapies to prevent or delay disorders of the aging brain.In addition to expert consultations, comprehensive laboratory services, and state-of-the-art laboratories, the Department of Pathology and Laboratory Medicine at NewYork-Presbyterian/Weill Cornell features a new, completely automated Robotics Laboratory that ensures accurate and precise chemical, hematological, and immunoassay procedures. These pathologists perform autopsies and examine deceased individuals to determine the circumstances, causes, and mechanisms of their deaths. Their work involves collecting and analyzing evidence, conducting toxicology tests, and collaborating with law enforcement and legal professionals to assist in criminal investigations or provide expert testimony in court. These pathologists analyze biopsies or excised tissue under a microscope to identify the presence of cancer, benign diseases, infections, or other abnormalities. Surgical pathologists work closely with surgeons, oncologists, and other healthcare professionals to provide accurate and timely diagnoses that guide treatment decisions and patient care. Instead of studying solid tissue samples like surgical pathologists, cytopathologists focus on individual cells or clusters of cells. They analyze the cellular content of body fluid specimens, as well as specimens obtained through procedures like fine-needle aspirations and Pap smears. These pathologists focus on all aspects of the blood and lymphoid systems. They analyze blood and tissue specimens to identify various blood disorders, including leukemia, lymphoma, anemia, and other hematological conditions. Their work involves using specialized laboratory tests, such as blood smears, flow cytometry, and molecular diagnostics, to examine and characterize the different tissues and components of the blood and lymphoid tissues. These pathologists specialize in diagnosing and studying diseases that affect infants, children, and adolescents. They focus on examining tissues and organs obtained from pediatric patients, including autopsies and biopsy specimens Pediatric pathologists play a crucial role in diagnosing pediatric cancers, developmental disorders, genetic conditions, infections, and other diseases. These pathologists specialize in using molecular and genetic techniques to study and diagnose diseases at a molecular level. They focus on analyzing DNA, RNA, and protein molecules within cells and tissues to identify specific genetic alterations, mutations, or biomarkers associated with various diseases. Their work involves conducting sophisticated laboratory tests, such as polymerase chain reaction (PCR), next-generation sequencing (NGS), and fluorescence in situ hybridization (FISH), amongst other methods, to detect and characterize molecular abnormalities in patient specimens. Molecular pathologists play a crucial role in diagnosing and guiding the treatment of diseases, including cancer, genetic disorders, infectious diseases, and other conditions with a genetic basis. These pathologists specialize in studying diseases and disorders that affect the nervous system, particularly the brain and spinal cord. They examine brain and nerve tissue specimens obtained from autopsies or biopsies to identify and diagnose neurological conditions. Their work involves analyzing the structure and composition of nerve cells, glial cells, and other components of the nervous system using microscopy and other specialized techniques to diagnose various neurological disorders, including neurodegenerative diseases, brain tumors, infections, and traumatic brain injuries. Experts in diseases of the skin and its appendages. These physicians, which may be pathologists or dermatologists with subspecialty training, study skin specimens obtained from biopsies or excisions to identify and characterize various skin conditions, including inflammatory skin disorders, infections, autoimmune diseases, and skin cancers. These pathologists have specialized training in clinical chemistry and laboratory medicine. They play a vital role in diagnostic medicine, focusing on the analysis and interpretation of chemical components in body fluids, such as blood and urine. Their work involves overseeing and interpreting a wide range of laboratory tests, including tests for glucose, electrolytes, enzymes, hormones, and other biochemical markers. Chemical pathologists use these test results to assess the overall health of patients and aid in the diagnosis, monitoring, and management of various medical conditions, such as diabetes, kidney diseases, liver disorders, and metabolic imbalances. These pathologists are concerned with the detection and characterization of infectious agents. They specialize in the study of microorganisms (bacteria, viruses, fungi, and parasites) that cause infectious diseases in humans. They play a crucial role in the diagnosis, treatment, and prevention of infectious diseases. Their work involves identifying and characterizing disease-causing microorganisms from patient specimens, such as blood, urine, sputum, or tissue specimens. They use various laboratory techniques, including culturing, staining, and molecular methods, to determine the presence of pathogens and their drug-resistance patterns. These physicians, which may be pathologists or other physicians with subspecialty training, specialize in managing blood products, ensuring safe blood transfusions, and studying the immune response to transfusions. Their work involves blood typing and compatibility testing, blood donation and testing, transfusion management, immunohematology, and transfusion safety. Some pathologists, as well as other physicians with specialized training, even specialize in the computer systems and databases required for modern care delivery. These specialists deal with electronic medical records, data analysis, decision support systems, health information exchange, and the interoperability of various platforms or systems. Skip to main content Pathology is the medical specialty concerned with the study of the nature and causes of disease. Its a critical part of every aspect ofmedicine from diagnostic testing and monitoring of chronicdiseases to cutting-edge genetic research and blood transfusiontechnologies. Pathologists are physicians who have received advanced training and specialization that enables them to make diagnoses of various illnesses bystudying blood, fluid and tissue samples.Pathologists diagnose every detected cancer in theworld. The board-certified pathologists at UHS Wilson Medical Center in New York provideclinical and anatomical pathology services and diagnostic testing for all four UHS hospitals. They interpret thousands of biopsies each year and perform a variety of other procedures to provide surgeons and other medical specialists with crucial information necessary for diagnoses. Clinical and Anatomical Pathology Services Our superb anatomical and clinical pathology team in New York includes pathologists, licensed medical technologists, medical laboratory technicians, histotechnologists and cytotechnologists. They work with your physician or surgeon to help make accurate diagnoses, so you can get the treatment you need. Clinical Point of care services for outpatients or inpatients Microbiology Mycology Virology Mycobacteriology Phlebotomy Anatomical Surgical pathology Cytopathology Hematopathology Flow cytometry Autopsy pathology

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