



thyroid, pancreas), body fluid cytology (pleural, peritoneal, pericardial), mesothelioma, metastatic adenocarcinoma, and circulating tumor cells.

Our board-certified pathologists are experts in most subspecialty areas and offer complete services for all **Surgical Pathology** needs. Their consultative reports are issued only after the clinical and radiological data have been integrated with the morphological findings and the tissue specimen has been analyzed using the most modern technologies. The clinical programs encompassed by Surgical Pathology include the following: Bone and Soft-Tissue Pathology, Breast Pathology, Dermatopathology, Endocrine, Head & Neck Pathology, Gastrointestinal Pathology, Genitourinary Pathology, Gynecologic Pathology, Hematopathology, Neuropathology, Ophthalmologic Pathology, Pediatric Pathology, Renal Pathology, and Thoracic Pathology.

**Autopsy Pathology** continues to contribute to medical practice and patient care by constantly honing and refining our understanding of the late stages of disease and assessing the efficacy of both diagnostics and therapeutic interventions. Causes of reproductive failure and inherited diseases responsible for life-threatening congenital defects are studied by our specialized neonatologists and pediatric pathologists. Our expertise and state-of-the-art facilities do not only bring the obvious benefits to health care and education, but also help individual families by providing information (for example, about inherited predispositions, or about potential for contagion by infectious agents) that is useful to the surviving members of the family, and by providing objective answers to any questions they may have. The Autopsy Section will perform for-fee postmortem examinations on patients treated outside the Yale Medical Center.

The Department of **Laboratory Medicine** collaborates with Yale Pathology Labs to provide a complete and extensive test menu for our clients. Besides routine tests, specialized consultation and tests include, but are not limited to, therapeutic drug monitoring, flow cytometry, special coagulation testing for bleeding disorders and hypercoagulable states, and advanced infectious disease testing including rapid virology diagnostics.

The DNA revolution in biology and the completion of the human genome sequence have propelled **Molecular Diagnostics** to the front lines of clinical care. Yale Pathology Labs were among the first to adopt these technologies and have developed an efficient laboratory devoted exclusively to state-of-the-art applications that can in many instances provide clear and objective answers to difficult diagnostic or prognostic dilemmas.

## Teaching

The medical faculty of the Yale Pathology Labs are for the most part embedded in an academic environment with a rich and diverse teaching mission. Consequently, physicians and staff are involved in teaching students at the Yale Medical School in the MD and MD/PhD and Physician Associate programs, and also students enrolled in the School of Arts and Sciences of Yale University.

Paramount among the teaching activities of the clinical medical staff is the graduate medical education program, tailored to train the next generation of pathologists. This resident training in pathology at Yale is provided by the Department of Pathology and the Department of Laboratory Medicine and is accredited by ACGME. An integral aspect of the program is to train our residents to be teachers, a role central to their profession and career. Thus in addition to core training, the resident experience includes preparing and delivering didactic lectures, peer teaching, and a concerted role in the teaching of Yale medical students and in the Pathologists' Assistant and forensic science programs.

Graduates of the pathology training program at Yale practice throughout the world, many assuming research and clinical leadership roles at academic and teaching centers, but also, importantly, assuming critical roles on the staff of community hospitals.

