
Division of Diagnostic Pathology

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Homepage <http://pathol.umin.ac.jp/>

Introduction and Organization

Department of Pathology and Diagnostic Pathology (*) and Division of Diagnostic Pathology of University Hospital have been united to function as a unit. This union is responsible for the pathologic practice of the University Hospital (autopsy and surgical pathology), as well as for education and research of human pathology.

The proper staffs were 1 lecturer, two lecturers (hospital), two associates, and two clinical staffs.

Clinical activities (diagnostic

pathology and autopsy)

Annual statistics of the pathologic practice in 2007 fiscal year are 13,090 cases of biopsy, 17,676 of cytology, 658 of frozen histology, 558 of intra-operative cytology and 78 of autopsy (16% as autopsy rate). Clinico-pathological conferences (CPCs) for the two autopsy cases are held every month in the hospital. In 2006, 126th – 136th CPC were held. Furthermore, surgical pathological conferences are regularly held with each clinical division, and discusses the cases of various tumors, including thorax, upper

gastrointestinal tract, neurosurgery, liver, pancreat-biliary tract, urology, gynecology, mammary gland, and orthopedics, as well as biopsy cases of liver, kidney and skin.

Our aim of the pathologic practice is to provide the correct diagnosis as soon as possible. We are addressing 'one-day pathology' using a newly developed rapid-histoprocessing machinery. Furthermore, a virtual slide scanner has been installed, which enabled us to save the consultation specimens as digital information. We are setting out a future providing system of pathologic images for clinical divisions. Lecturer Uozaki is mainly in charge of this project.

We continued to participate the autopsy assessment for "The Model Project for Inspection and Analysis of the Death Associated with Medical Practice" of Health, Labor and Welfare Ministry,.

Teaching activities

The lectures and exercise course of systemic pathology are for the 2nd grade-students. Clinical clerkship and bed-side learning (BSL) course of autopsy and surgical pathology are for the 3rd and 4th grade students, respectively.

The new system of internship has started since 2004, and all interns are required to submit at least one report of CPC case. The Division of Diagnostic Pathology received seven interns in 2007 for the second year program of their internship.

Research activities

We are developing the tumor specific antibodies in collaboration with Genome Science Division, Research Center for Advanced Science and Technology, the University of Tokyo. Based on the DNA array data of various human neoplasms, monoclonal antibodies against candidate gene products are generated. In addition, we are in the process of constructing the tissue array of neoplastic and non-neoplastic tissues in order to facilitate the screening process of immunohistochemistry,.

References

See the corresponding section of Department of