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# Department of Human Pathology and Diagnostic Pathology

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

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## Introduction and Organization

The Department of Human pathology united the Department of Diagnostic Pathology, and has started as a new department, the Department of Human Pathology and Diagnostic Pathology in 2003. It is responsible for the practice of diagnostic pathology, education, and research in conjunction with Division of Diagnostic Pathology of the University Hospital. The unification is also expected to facilitate the next-generation pathology.

We celebrated the 30<sup>th</sup> memorial year of the Division of Diagnostic Pathology, and published

commemorative issues in 2005. We also hosted the 51<sup>st</sup> autumn scientific meeting of Japanese Academy of Pathology at Yasuda Memorial Hall.

The staffs in 2004 consisted of a professor, (MF), two associate professors (TN, KO), four associates (KK, AG, JS, TU) and three technical support specialists (TN, YM, SH). The staffs of Division of Diagnostic Pathology (DDP) were one lecturer (HE), and four associates (TM, HU, YT, YO). In 2005, the associate professor, Dr. T Niki was invited as the professor by Jichi Medical School. Dr. K Ohashi moved to Toranomon Hospital as the Director of Department of Pathology, and Dr. Y Ota

also moved to the Toranomon Hospital. Lecturer Dr. N Fukushima came from Tokyo Medical School, and Dr. H Uozaki was promoted to a Lecturer. Dr. S Ota came from Division of Pathology, Hokkaido University Hospital, and Dr. T Ishida from Department of Hematology, Juntendo University. Dr. H Endo will complete her term of office at the end of this fiscal year.

Two graduates received PhD in 2004 and six in 2005. Twelve postgraduate students (one from other university and three from abroad) are now studying in the department.

We are responsible for the surgical pathology and autopsy in the University Hospital. The research is based on morphology, targeting human diseases. On the other hand, we take charge of Systemic Pathology course, Clinical Clerkship, and Bedside-learning for 2<sup>nd</sup>–4<sup>th</sup> grade students. We also take part in the General Pathology course in conjunction with Department of Molecular Pathology.

## **Clinical activities**

The surgical pathology practice and autopsy services are our duties. We are now engaged in the technical and systemic development of rapid diagnosis, utilizing the rapid tissue processing system.

Autopsy conference on two cases each is regularly held every month. CPC is also held periodically for surgical pathology including tumors of thoracic organs and upper gastrointestinal tract, brain, liver, pancreatobiliary tract, urology, gynecology, bone- and soft tissue, and biopsy of various disease of liver, kidney, & dermatology.

## **Teaching activities**

We take part in the General Pathology course, especially in its morphological aspects for the 1<sup>st</sup> grade of undergraduate students. The course program and lecture notes are available in UT Open Course Ware ( <http://ocw.u-tokyo.ac.jp/> ) .

Classes of Systemic Pathology course and

exercises are now held every week in parallel with those of Systemic Medical course. Such an integrated classes are expected to promote the students' understanding. We have prepared the pathology lectures for ophthalmology, oral surgery, and otolaryngology. Pathology exercises for brain tumors, dermatology, and infectious diseases are also included. We have adopted the slide-projected examination since 2003, and the questions and answers are available on our website.

In BSL course, a pair of students is required to inspect and analyze the one teaching case of autopsy. Students are also required to examine surgical materials of popular carcinomas. One-month course of Clinical clerkship has been introduced since 2003. Seven students took the course from January to March in 2004, and the same in 2005.

The past graduate examinations of Diagnostic Pathology are also referred on the web. We owe the development and maintenance of our web-site to Dr. Uozaki.

## **Research activities**

Armed with the morphology, we are engaged in the investigation of the relationship between chronic inflammation and neoplasm:

1. Epstein-Barr virus associated neoplasms, such as gastric carcinoma and lymphomas. .
2. Lung carcinomas and scar formation.

We are also searching the candidates for the antibody drug by global analysis of expression profiles of various cancers in collaboration with Research Center for Advanced Science and Technology, the University of Tokyo.

Our research lab has moved to the new building in December, 2005. Although the research style of human pathology is a ranch-type, rather than a factory-type, the standard research facilities of molecular biology and molecular pathology are indispensable. Dr. Kashima devoted himself to set up our laboratory.

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