Surgical Pathology

1. Staff and Students

Professor	Yoshinobu EISHI	
Associate Professor	Takumi AKASHI	
Assistant Professor	Tohru IGARI,	Eisaku ITO,
	Tetsuo YAMADA	
Hospital Staff Doctor	Keiko MIURA,	Takashi ENDO
Secretary	Mari KOIKE	

2. Purpose of education

Main object of surgical pathology in the course of graduate school is to provide medical students opportunity to study diagnosis of core diseases, both neoplastic and non-neoplastic, through biopsy, surgical and autopsy cases. Another important mission is a training of pathology specialist in the post-graduate school through diagnostic services of surgical pathology, cytopathology and autopsy.

3. Research Subjects

1) Improvement of diagnostic methods of gastrointestinal, liver, renal and respiratory diseases by anatomical, immunohistochemical, microbiological and molecular technologies.
2) Analysis of the pathophysiology of the disease, especially invasion mechanism of lung and gastrointestinal cancers by molecular biological technology.

4. Clinical Services

In cooperation with departments of human pathology and comprehensive pathology, department of surgical pathology provides autopsy services (100 case in a year), cytopathology services (12,000 cases in a year) and surgical pathology (10,000 cases in a year) for the clinicians of the affiliated hospital. Diagnosis is mostly done by the organ-subspecilized staffs. Clinico-pathological conferences are held more than one hundred times in a year.

5. Publications

Original Article

1. Akashi T, Takemura T, Ando N, Eishi Y, Kitagawa M, Takizawa T, Koike M, Ohtani Y, Miyazaki Y, Inase N, Yoshizawa Y. Histopathologic analysis of sixteen autopsy cases of chronic hypersensitivity pneumonitis and comparison with idiopathicpulmonary fibrosis/usual interstitial pneumonia. Am J Clin Pathol 131(3):405-15,2009.
2. Tsuchiya K, Isogai S, Tamaoka M, Inase N, Akashi T, Martin JG, Yoshizawa Y. Depletion of CD8+ T cells enhances airway remodelling in a rodent model of asthma. Immunology.126(1):45-54,2009.
3. Shigeo K, Eisaku I, Akira Y, Yosinobu E, Norihiko O. Immunohistochemical Characteristics of Odontogenic Carcinomas. Their Use in Diagnosing and ilucidating histogenesis. Oral Medicine. 13:55-63, 2009.
4. Chiba T, Kawachi H, Kawano T, Kumagai J, Kitagaki K, Sekine M, Uchida K, Kobayashi M, Sugihara K, Eishi Y. Independent histological risk factors for lymphnode metastasis of superficial esophageal squamous cell carcinoma; implication ofclaudin-5 immunohistochemistry for expanding the indications of endoscopicresection. Dis Esophagus. 2009. Nov 9. [Epub ahead of print]
5. Ogiya A, Horii R, Osako T, Ito Y, Iwase T, Eishi Y, Akiyama F. Apocrinemetaplasia of breast cancer: clinicopathological features and predictingresponse. Breast Cancer. 2009 Sep 30. [Epub ahead of print]
6. Ugajin T, Kojima T, Mukai K, Obata K, Kawano Y, Minegishi Y, Eishi Y, Yokozeki H, Karasuyama H. Basophils preferentially express mouse mast cell protease 11among the mast cell tryptase family in contrast to mast cells. J Leukoc Biol 86(6):1417-25,2009.
7. Furukawa A,Uchida K, Ishige Y, Ishige I,Kobayashi I, Takemura T, Yokoyama T, Iwai K, Watanabe K, Shimizu S,Ishida N,Suzuki Y,Suzuki T,Yamada T,Ito T,Eishi Y. Characterization of Propionibacterium acnes isolates from sarcoid andnon-sarcoid tissues with special reference to cell invasiveness, serotype, andtrigger factor gene polymorphism. Microb Pathog 46(2):80-7,2009.
8. Matsuda A, Takahashi K, Yamaguchi T, Matsumoto H, Miyamoto H, Kawakami M, Kawachi H, Suzuki H, Furukawa K, Tajiri T, Mori T. HPV infection in an HIV-positive patient with primary squamous cell carcinoma of

rectum. Int J Clin Oncol 14:551-554, 2009.
9. Seki T, Ito T, Kawachi H, Sekine M, Funata N, Takizawa T. Relationship between mucin expression of gastric intramucosal signet ring cell carcinoma and its background mucosa. J Med Dent Sci 56:25-35, 2009.
10. Kumagai Y, Kawada K, Yamazaki S, Iida M, Momma K, Odajima H, Kawachi H, Nemoto T, Kawano T, Takubo K. Endocytoscopic observation for esophageal squamous cell carcinoma: can biopsy histology be omitted? Dis Esophagus 22:505-512, 2009.
11. Fujishiro M, Oda I, Yamamoto Y, Akiyama J, Ishii N, Kakushima N, Fujiwara J, Morishita S, Kawachi H, Taniguchi H, Gotoda T. Multi-center survey regarding the management of anticoagulation and antiplatelet therapy for endoscopic procedures in Japan. J Gastroenterol Hepatol 24:214-218, 2009.
12. Konstantinou K, Yamamoto K, Ishibashi F, Mizoguchi Y, Kurata M, Nakagawa Y, Suzuki K, Sawabe M, Ohta M, Miyakoshi S, Crawley JT, Kitagawa M . Angiogenic mediators of the angiopoietin system are highly expressed by CD10-positive lymphoma cells in angioimmunoblastic T-cell lymphoma.. Br J Haematol. 144(5):696-704, 2009.
13. Hasegawa M, Kurata M, Yamamoto K, Yoshida K, Aizawa S, Kitagawa M. A novel role for acinus and MCM2 as host-specific signaling enhancers of DNA-damage-induced apoptosis in association with viral protein gp70. Leuk Res. 33(8):1100-7, 2009.
14. Komai Y, Fujiwara M, Fujii Y, Mukai H, Yonese J, Kawakami S, Yamamoto S, Migita T, Ishikawa Y, Kurata M, Nakamura T, Fukui I. Adult Xp11 translocation renal cell carcinoma diagnosed by cytogenetics and immunohistochemistry. Clin Cancer Res. 15(4):1170-6, 2009.
15. Abe S, Okuda K, Ura T, Kondo A, Yoshida A, Yoshizaki S, Mizuguchi H, Klinman D, Shimada M : Adenovirus type 5 with modified hexon induces robust transgene-specific immune responses in mice with pre-existing immunity against adenovirus type 5. J Gene Med. 11: 570–579,2009.
16. Ura T, Yoshida, Xin KQ, Yoshizaki S, Yashima S, Abe S, Mizuguchi H, Okuda K : Designed recombinant adenovirus type 5 vector induced envelope-specific CD8(+) cytotoxic T lymphocytes and cross-reactive neutralizing antibodies against human immunodeficiency virus type 1. J Gene Med . 11: 139-49,2009.