

Human Pathology

1. Staff and Students

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Research Student	Mitsuru NOGI, Kazumi HORIGUCHI, Pariko YOROZU	Shinichiro HORIGUCHI, Kana MINEGISHI,

2. Purpose of education

Department of Human Pathology provides a graduate course for future pathologists to train the skills and knowledge of anatomical pathology and develop the abilities for medical researches. Graduate students are educated to associate their researches with problems in diagnosis and treatment of diseases and etiologies of the diseases of unknown causes. In the course, they usually spend the first two years for anatomical pathology training, searching for their own research theme and another two years for researches and thesis-writing.

3. Research Subjects

- 1) Endogenous infection (diseases caused by indigenous microorganisms in susceptible hosts)
- 2) Cancer research (histopathology, carcinogenesis, prognostic factors, and so on)

4. Clinical Services

Teaching staffs in Human Pathology support all functions of Surgical Pathology in our university hospital.

5. Publications

Original Article

1. 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 of claudin-5 immunohistochemistry for expanding the indications of endoscopic resection. *Dis Esophagus*. 2009 Nov 9. [Epub ahead of print]
2. Ogiya A, Horii R, Osako T, Ito Y, Iwase T, Eishi Y, Akiyama F. Apocrinemetaplasia of breast cancer: clinicopathological features and predicting response. *Breast Cancer*. 2009 Sep 30. [Epub ahead of print]
3. 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 11 among the mast cell tryptase family in contrast to mast cells. *J Leukoc Biol* 86(6):1417-25, 2009.
4. 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 idiopathic pulmonary fibrosis/usual interstitial pneumonia. *Am J Clin Pathol* 131(3):405-15, 2009.
5. 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 and non-sarcoid tissues with special reference to cell invasiveness, serotype, and trigger factor gene polymorphism. *Microb Pathog* 46(2):80-7, 2009. Feb;46(2):80-7. Epub 2008 Nov 17.
6. 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.
7. 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.
8. 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.
 9. 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.