

Human Pathology

1. Staff and Students

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Research Student	Kana MINEGIHI,	Pariko YOROZU

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. Horiguchi K, Toi M, Horiguchi S, Sugimoto M, Naito Y, Hayashi Y, Ueno T, Ohno S, Funata N, Kuroi K, Tomita M, Eishi Y. Predictive value of CD24 and CD44 for neoadjuvant chemotherapy response and prognosis in primary breast cancer patients. *J Med Dent Sci* 57(2):165-75,2010
2. Horiguchi S, Hishima T, Hayashi Y, Shiozawa Y, Horiguchi K, Kuroi K, Toi M, Funata N, Eishi Y. HER-2/neu cytoplasmic staining is correlated with neuroendocrine differentiation in breast carcinoma. *J Med Dent Sci* 57(2):155-63,2010
3. Akieda-Asai S, Zaima N, Ikegami K, Kahyo T, Yao I, Hatanaka T, Iemura S, Sugiyama R, Yokozeki T, Eishi Y, Koike M, Ikeda K, Chiba T, Yamaza H, Shimokawa I, Song SY, Matsuno A, Mizutani A, Sawabe M, Chao MV, Tanaka M, Kanaho Y, Natsume T, Sugimura H, Date Y, McBurney MW, Guarente L, Setou M. SIRT1 Regulates Thyroid-Stimulating Hormone Release by Enhancing PIP5Kgamma Activity through Deacetylation of Specific Lysine Residues in Mammals. *PLoS One* 5(7):e11755,2010
4. Matsuzawa Y, Nakazawa K, Yamamura A, Akashi T, Kitagaki K, Eishi Y, Makita K. Airway pressure release ventilation reduces the increase in bronchoalveolar lavage fluid high-mobility group box-1 levels and lung water in experimental acute respiratory distress syndrome induced by lung lavage. *Eur J Anaesthesiol* 27(8):726-33,2010
5. Miura Y, Ishige I, Soejima N, Suzuki Y, Uchida K, Kawana S, Eishi Y. Quantitative PCR of *Propionibacterium acnes* DNA in samples aspirated from sebaceous follicles on the normal skin of subjects with or without acne. *J Med Dent Sci* 57(1):65-74,2010
6. Bilali A, Kurata S, Ikeda S, Georgieva GS, Zhu C, Tomita M, Katoh I, Mitaka C, Eishi Y, Imai T. Lung-lung interaction in isolated perfused unilateral hyperventilated rat lungs. *Transl Res* 155(5):228-37,2010

7. Parra-Blanco A, Gimeno-García AZ, Quintero E, Nicolás D, Moreno SG, Jiménez A, Hernández-Guerra M, Carrillo-Palau M, Eishi Y, López-Bastida J. Diagnostic accuracy of immunochemical versus guaiac faecal occult blood tests for colorectal cancer screening. *J Gastroenterol* 45(7):703-12, 2010
8. 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 lymph node metastasis of superficial esophageal squamous cell carcinoma; implication of claudin-5 immunohistochemistry for expanding the indications of endoscopic resection. *Dis Esophagus* 23(5):398-407, 2010
9. Ogiya A, Horii R, Osako T, Ito Y, Iwase T, Eishi Y, Akiyama F. Apocrine metaplasia of breast cancer: clinicopathological features and predicting response. *Breast Cancer* 17(4):290-7, 2010
10. Koda H, Kimura Y, Ishige I, Eishi Y, Iino Y, Kitamura K. Quantitative cellular level analysis of mitochondrial DNA 3243A > G mutations in individual tissues from the archival temporal bones of a MELAS patient. *Acta Otolaryngol* 130(3):344-50, 2010
11. Haruki S, Imoto I, Kozaki K, Matsui T, Kawachi H, Komatsu S, Muramatsu T, Shimada Y, Kawano T, Inazawa J. Frequent silencing of protocadherin 17, a candidate tumour suppressor for esophageal squamous cell carcinoma. *Carcinogenesis* 31:1027-1036, 2010
12. Kumagai Y, Kawada K, Yamazaki S, Iida M, Ochiai T, Momma K, Odajima H, Kawachi H, Nemoto T, Kawano T, Takubo K. Endocytoscopic observation of esophageal squamous cell carcinoma. *Dig Endosc* 22:10-16, 2010