

Oto-Rhino-Laryngology

1. Staffs and Students(April, 2009)

Professor	Ken KITAMURA	
Associate Professor	Atsunobu TSUNODA	
Assistant Professor	Yasuhiro SUZUKI, Taku ITO	
Hospital Staff	Taro SUGIMOTO,	Yoshihiro NOGUCHI,
	Akemi IWASAKI,	Kazuchika ONO,
	Yousuke ARIIZUMI,	Yuji NAKAMURA,
	Koji HAGINO,	Takao TOKUMARU,
	Naoto TAKAHASHI,	Tomofumi KATO,
	Taro FUJIKAWA,	Masatoki TAKAHASHI
Research Student	Yoshimi TAMEKUCHI,	Katsura YAMAMOTO,
	Palida AIHAITI	

2. Purpose of Education

Pre-graduate clinical education

Clinical systematic lecture covers anatomy, a general idea of diseases, their pathological conditions and treatments in the field of otorhinolaryngology. Clinical clerkship I (general diagnostic training) provides instruction in the diagnosis and testing techniques of the otorhinolaryngological field; clinical clerkship II (clinical training) provides detailed explanations of disease mechanisms, training in the performance of examinations, and clinical responsibilities involving both inpatient and outpatient care. Clinical clerkship III provides advanced training beyond the scope of clinical clerkship II. In particular, students develop an advanced understanding of otorhinolaryngological diseases by conducting outpatient procedures (including taking histories, visual inspection, and palpation), and gaining practical experience in assessment and diagnosis of patients' conditions. Furthermore, in the third clinical clerkship, students also attend a "micro-conference" on teaching. Finally, students are assigned to patients throughout their treatment, consistently dealing with the same individuals before, during, and after surgery; this allows the students to become familiar with the course of clinical care.

3. Research Subjects

- 1) Deafness gene analysis
- 2) Neurophysiological study of hearing
- 3) Histoanatomical study of ear, nose, throat, head, and neck
- 4) Eye movement analysis in patients with dizziness
- 5) Clinical study of treatment and prognosis in patients with allergic rhinitis
- 6) Treatment of tinnitus
- 7) Treatment using endoscope

4. Clinical Services

Otorhinolaryngology clinic provides full examinations and treatment for diseases in ear, nose, throat, head, and neck, including dizziness, sudden deafness, facial palsy, infectious disease and benign as well as malignant disease in the otorhinolaryngeal area. We have performed the first implementation of bone anchored hearing aid implant in Japan and since then we have experienced many patients for this surgery. We also have performed surgery for patients with malignant disease as well as skull base lesions in collaboration with the Department of the Head and Neck Surgery. Our outpatient clinic includes general ear, nose and throat clinic as well as allergy, dizziness, otitis media, tumor, deafness, and tinnitus clinic.

5. Publications

Original Articles

1. Yagi H, Noguchi Y, Kitamura K, Sato M : Deficiency of *Vlgr1* resulted in deafness and susceptibility to audiogenic seizures while the degree of hearing impairment was not correlated with seizure severity in C57BL/6- and 129-backcrossed lines of *Vlgr1* knockout mice. *Neurosci Lett* 461:190-5, 2009.
2. Koda H, Kimura Y, Ishige I, Eishi Y, Takahashi K, 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 Aug.14,2009 (Epub ahead of print).

3. Kawashima Y, Noguchi Y, Ito T, Kitamura K : Vestibular evoked myogenic potentials in patients with the mitochondrial A1555G mutation. *Laryngoscope* 119:1874-9, 2009.
4. Kato T, Kimura Y, Sawabe M, Masuda Y, Kitamura K : Cervical tuberculous lymphadenitis in the elderly : comparative diagnostic findings. *J Laryngol Otol* 123:1343-7, 2009.
5. Sumi T, Tsunoda A, Shirakura S, Kishimoto S: Partial maxillary swing approach for removal of the tumors in the retromaxillary area. *Auris Nasus Larynx* 36: 567-70, 2009.
6. Kamiyama R, Saikawa M, Kishimoto S:Significance of retropharyngeal lymph node dissection in hypopharyngeal cancer. *Jpn J Clin Oncol* 39(10):632-7, 2009.
7. Suzuki M, Tsunoda A, Shirakura S, Sumi T, Nishijima W, Kishimoto S:A novel permanent tracheostomy technique for prevention of stomal stenosis (triangular tracheostomy). *Auris Nasus Larynx* Dec.24,2009 (Epub ahead of print).
8. Sekimoto S, Tsunoda K, Kaga K, Makiyama K, Tsunoda A, Kondo K, Yamasoba T: Commercially available high-speed system for recording and monitoring vocal fold vibrations. *Acta Otolaryngol* 129:1524-6,2009.

Conference Presentations

1. Takahashi M, Kimura Y, Sawabe M, Kitamura K : Immunohistochemical Localization of Prestin in the Paraffin-embedded Elderly Human Cochlea. 32th Association for Research in Otolaryngology. Baltimore, February, 2009.
2. Kato T, Noguchi Y, Nishigaki Y, Ueno H, Tanaka M, Ito T, Kimura Y, Kitamura K : Rapid Screening of 28 Mitochondrial DNA Mutations By Suspension Array Technology in Patients with Hereditary Hearing Loss. 7th Molecular Biology of Hearing & Deafness. Boston, June, 2009.
3. Tsunoda A : Symposium Facial dismasking flap for removal of tumors in the craniofacial region. XIX World congress of Oto-Rhino-Laryngology (IFOS 2009). São Paulo, June, 2009.
4. Tsunoda A : Lecture Lateral skull base surgery. XIX World congress of Oto-Rhino-Laryngology (IFOS 2009). São Paulo, June, 2009.