

## Oral and Maxillofacial Surgery

### 1. Staffs and Students (2009)

Professor	Teruo AMAGASA
Clinical Professor	Hiroshi IWAKI(from April)
Associate Professor	Hiroshi IWAKI(February-March)
Junior Associate Professor	Hiroshi IWAKI(until January), Junichi ISHII(until March) Masashi YAMASHIRO(from April), Narikazu UZAWA(from April)
Assistant Professor	Satoshi YAMAGUCHI, Narikazu UZAWA(until March) Yutaka SATOU, Hiroyuki YOSHITAKE, Yasuyuki Michi, Kazuto KUROHARA, Kouichi NAKAKUKI(from April)
Hospital Staff	Takashi MISHIMAGI(until March), Kouichi NAKAKUKI(until March), Yoshio OHYAMA, Yasuhiro YUKI, Youhei TSUTAKI(until March), Mie MOCHIZUKI(until March), Miho SUZUKI, Misa HOSOKI (from April), Yuko KATSUKI, Aya KAWAMATA, Erina NAKAMURA, Hanna IGARASHI(March-June), Misako YOSHIHARA(from April), Keiichi HAMADA(from July)
Graduate Student	Natsuko TAKATSUKA(until March), Nobuyoshi TOMOMATSU(until March), Keiichi HAMADA(until March), Tadanobu ARAGAKI, Begun Asuma, Hiroaki Satou, Junichi TSUGAWA, Nobuhiro KATAOKA, Keiko MAEDA, Tasuku KIHARA, Yasuhiro KURASAWA, Ryousuke NAGAOKA, Tomomi SAKUMA, Chieko MICHIKAWA, Hiroyuki NAKACHI, Paksinee Kamolrtanakul, Junya AOYAGI, Hiroyuki ENDOU, Daisuke MIYAJIMA, Yoshimi NAKATA, Erika OHUE, Jun SUMINO, Takashi WATANABE, SHINDOI, Takeo KOJIMA(from April), Yosuke HARAZONO(from April), Akihiko MACHIDA(from April), Asumi HONDA(from April), Yuri NONAKA(from April)

### 2. Purpose of Education

Oral and maxillofacial surgery is a surgical specialty involving the diagnosis, surgical treatment and management of defects and injuries related to the function and aesthetics of the face and jaws. In order to practice the full scope of the specialty, oral and maxillofacial surgeons are required education in dentistry, medicine and surgery for regional requirement.

### 3. Research Subjects

- 1) Head and Neck Surgery: Innovation of management patients with benign and malignant tumors and cysts in oral and facial region.
- 2) Reconstructive Surgery: Developing method of correcting jaw, facial bone and facial soft tissue trouble left as the result of removal of disease or previous trauma.
- 3) Correction of Birth Defects: Improving surgically correction of birth defects of the face and skull, including cleft lip

and palate.

- 4) Dentofacial Deformities and Orthognathic Surgery: Development of new surgical techniques to improving reconstruct and realign the upper and lower jaws.
- 5) Temporomandibular Joint Disorders: Renewing skills in the diagnosis and treatment due to temporomandibular joint problem.
- 6) Oral Mucosa Disease: Creation new method with light and color for diagnosis of oral mucosa disease, including leukoplakia and cancer.

#### 4. Clinical Services

- 1) Diagnosis, removing and reconstruction of jaw, oral or facial tumor or cyst.
- 2) Diagnosis and treatment of cleft lip and palate.
- 3) Treatment of jaw aligned with orthognathic surgery.
- 4) Therapy of temporomandibular disorder with or without temporomandibular joint surgery.
- 5) Diagnosis and treatment of oral mucosa disease.
- 6) Treatment of inflammation in the region jaw and facial trauma.
- 7) Extraction tooth including wisdom tooth.

#### 5. Publication

##### Original Article

1. Takahashi K, Uzawa N, Amagasa T, : Simultaneous assessment of cyclin D1 and epidermal growth factor receptor gene copy number for prognostic factor in oral squamous cell carcinomas. *OSI6(1):2009.*
2. Yamashiro M, Hasegawa K, Uzawa N, Michi Y, Ishii J, Yoshitake H, Kobayashi J, Yagihara K, Okabe S, Amagasa T. : Complications and outcome of free flap transfers for oral and maxillofacial reconstruction : Analysis of 213 cases. *OSI6(1) : 2009.*
3. Tomomatsu N, Aoki K, Alles N, Soysa N, Hussain A, Nakachi H, Kita S, Shimokawa H, Ohya K, Amagasa T : LPS-Induced inhibition of osteogenesis Is TNF- $\alpha$  dependent in a murine tooth extraction model. *Journal of bone and mineral research 2009(24):1770-1781.*
4. Maeda K, Suzuki T, Ohyama Y, Nakakuki K, Yamashiro M, Okada N, Amagasa T : Colorimetric analysis of unstained lesions surrounding oral squamous cell carcinomas and oral potentially malignant disorders using iodine. *J.Oral Maxillofac.Surg.2009.*
5. Maeda K, Yamashiro M, Michi Y, Suzuki T, Ohyama Y, Okada N, Amagasa T : Effective staining method with iodine for leukoplakia and lesions surrounding squamous cell carcinomas of the tongue assessed by colorimetric analysis: *Journal of Medical and Dental Science.56(4)123-130.*
6. Begum A, Iomoto I, Kozaki K, Tsuda H, Suzuki E, Amagasa T, Inazawa J : Identification of PKA4 as a putative target gene for amplification within 19q13.12-q13.2 in oral squamous cell carcinoma. *Cancer Science,2009*
7. Hamada K, Yamaguchi S, Abe S, Ichinose S, Abe T, Yamashita Y, Amagasa T. : In vivo bone formation by human dental pulp cells cultured without cell sorting and osteogenic differentiation induction. *J Oral Tissue Engin.2009(7):15-25.*
8. Takatsuka N, Hasegawa A, Takamori A, Shimizu Y, Kato H, Amagasa T, Masuda T, Kannagi M : Induction of IL-10-and IFN- $\gamma$ -producing T-cell responses by autoreactive T-cells expressing human ZT-cell leukemia virus type 1 Tax. *International Immunology. 2009. 21(9) :1089-1100.*