

Maxillofacial Surgery

1. Staffs and Students (2013)

Professor	Kiyoshi HARADA(from April)	
Junior Associate Professor	Masashi YAMASHIRO(until March, from April Clinical Professor) Satoshi YAMAGUCHI(from April), Narikazu UZAWA	
Assistant Professor	Yutaka SATO, Yasuyuki MICHI, Kouichi NAKAKUKI,	Hiroyuki YOSHITAKE, Kazuto KUROHARA, Yoshio OHYAMA(from April)
Hospital Staff	Itaru SONODA, Miho SUZUKI(MIZUTANI), Nobuyoshi TOMOMATSU, Chieko MICHIKAWA(from April), Jun SUMINO,	Kunihiro MYO, Ken-Ichiro TAKAHASHI, Hiroyuki NAKACHI, Erika OUE, Chika MIURA
Graduate Student	Akira GOUDA, Yujiro MORIYA, Eri TSUCHIDA, Takayuki YAMADA, Uyanga ENKHBOLD, Chihiro YOSHIDA, Masahiko TERAUCHI, Kouhei OKUYAMA, Yuuta KONDOU, Tomoki KANEMARU(from April), Yusuke KASAHARA(from April), Sakie KATSUMURA(from April),	Yukihiko HASHIDA, Chisato YAMADA, Ryosuke NAKAMURA, Li KEI, Takuma MORITA, Takeshi OKAMURA, Hirokazu KACHI, Sou WAKE, Reiko HOSHI(from April),
Student	Yumi SANO(from April),	Syun NISHIHARA(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.

Total number of new patients was 7,194 for 2013. Number of In-patients was 589 and 457 operations were performed.

5. Publication

Original Article

1. Kamrun N, Tetsumura A, Nomura Y, Yamaguchi S, Baba O, Nakamura S, Watanabe H, Kurabayashi T Visualization of the superior and inferior borders of the mandibular canal: a comparative study using digital panoramic radiographs and cross-sectional CT images. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod.* 115(4):550-557, 2013
2. Yagihara K, Okabe S, Ishii J, Amagasa T, Yamashiro M, Yamaguchi S, Yokoya S, Yamazaki T, Kinoshita Y Mandibular reconstruction using a poly(l-lactide) mesh combined with autogenous particulate cancellous bone and marrow: a prospective clinical study. *Int J Oral Maxillofac Surg.* 42(8):962-969, 2013
3. Takayuki Yamada, Masashi Yamashiro, Aya Kawamata, Yuko Katsuki, Asumi Uezono-Honda, Kou Kayamori, Kiyoshi Harada: Transparotid excision of rhabdomyosarcoma in masseter muscle: A case report. *Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology* In press
4. Goda A, Maruyama F, Michi Y, Nakagawa I, Harada K Analysis of the factors affecting the formation of the microbiome associated with chronic osteomyelitis of the jaw. *Clin Microbiol Infect.* DOI: 10.1111/1469-0691.12400 (2013)
5. Yukihiko Hashida, Ken-ichi Nakahama, Kaori Shimizu, Masako Akiyama, Kiyoshi Harada, Ikuo Morita Communication-dependent mineralization of osteoblasts via gap junctions. *BONE* Volume 61 page19-26 April, 2014
6. Shindoi JM, Matsumoto, Y, Sato Y, Ono T, Harada K Soft tissue cephalometric norms for orthognathic and cosmetic surgery. *J Oral Maxillofac Surg.* 71(1) 24-30, 2013.
7. Aya Kawamata, Masashi Yamane, Yoshimasa Nakazato A rare case of aggressive fibromatosis in the maxillary sinus *Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology, In Press, Corrected Proof, Available online 10 July 2013*
8. Matsushita Y, Sakamoto K, Tamamura Y, Shibata Y, Minamizato T, Kihara T, Ito M, Katsube K, Hiraoka S, Koseki H, Harada K, Yamaguchi A CCN3 Protein Participates in Bone Regeneration as an Inhibitory Factor. *J Biol Chem* 288(27):19973-85, 2013
9. Harazono Y, Muramatsu T, Endo H, Uzawa N, Kawano T, Harada K, Inazawa J, Kozaki K miR-655 is an EMT-suppressive microRNA targeting ZEB1 and TGFBR2 *PLoS One* 14:8(5):e62757, 2013
10. Harazono Y, Yamashiro M, Yoshitake H, Kayamori K, Izumo T, Harada K A case of highly suspected small cell osteosarcoma in the mandible *Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology.* 462(6)665, 2013
11. Shang Gao, Makoto Shiota, Masaki Fujii, Kang Chen, Masahiro Shimogishi, Masashi Sato, Shohei Kasugai Combination of simvastatin and hydroxyapatite fiber induces bone augmentation. *Open Journal of Regenerative Medicine,* 2(3):53-60, 2013
12. Michi Y, Suzuki M, Kurohara K, Harada K. A case of hemangiopericytoma of the soft palate with articulate disorder and dysphagia. *Int J Oral Sci.* 5(2):111-4, 2013

Conference Presentations

1. Yosuke Harazono, Ken-ichi Kozaki, Tomoki Muramatsu, Hironori Endo, Narikazu Uzawa, Tatsuyuki Kawano, KiyoshiHarada, Johji Inazawa: miR-655 is an EMT-suppressive microRNA targeting ZEB1 and TGFBR2 *AACR/JCA Joint Conference, February 21-25, 2013 Maui, HI USA*
2. Motoko Okamitsu, Taiko Hirose, Taeko Teramoto, Noriko Okubo, Hidemi Yoshimasu, Yutaka Sato, Kei-ichi Morita, Ken Omura: Factors related to social support of mothers of infants with cleft lip and/or palate. *International Collaboration for Community Health Nursing Research Conference 2013,(March 11-13, Edinburgh, Scotland)*
3. Harriman E.J, Ohyama Y, and Mochida Y: Characterization of Wdr72 Knockout Rats, Causative Gene for Amelogenesis Imperfecta. *International Association for Dental Research. March 20-23, 2013, Seattle USA.*
4. Venkitapathi S, Ohyama Y, Jaha H.S, Almahmadi A, Aljamaan R, and, Mochida Y: Ciliary Colocalization and Interaction of Evc & Evc2 Proteins. *International Association for Dental Research. March 20-23, 2013, Seattle USA.*

5. Nagaoka R, Torikai T, Fukawa T, Kijima T, Misawa T, Naganisi H, Omura S: Le Fort II distraction osteogenesis using original distractor in a patient with Apert syndrome. 12th International Congress on Cleft Lip/Palate and Related Craniofacial Anomalies May 5-10, 2013, Florida
6. Yuki Matsushita, Kei Sakamoto, Ken-ichi Katsube, Kiyoshi Harada, Akira Yamaguchi: Role of CCN3/NOV in bone regeneration. 2nd Joint Meeting of the International Bone and Mineral Society and The Japanese Society for Bone and Mineral Research (IBMS-JSBMR) May 28-June 1, 2013, Kobe
7. Goda A, Maruyama F, Michi Y, Ichiro N, Harada K: Analysis of the factors affecting the formation of the microbiome associated with chronic osteomyelitis of the jaw. FEMS 2013 5th congress of European microbiologists July 21-25, 2013, Leipzig, Germany
8. Yuki Matsushita, Kei Sakamoto, Tokutarou Minamizato, Kiyoshi Harada, Akira Yamaguchi: CCN3 participates in bone regeneration as an inhibitory factor. The American Society for Bone and Mineral Research 2013 Annual Meeting (ASBMR) Oct 3-7, 2013, Baltimore
9. Narikazu Uzawa, Miho Suzuki, Yasuyuki M Ichi, Masashi Yamashiro, Kiyoshi Harada: Microsurgical Free Flap Reconstructions of Head and Neck Region in 401 cases: A 25-Year Experience. 21st International Conference on Oral and Maxillofacial Surgery Oct 21-24, 2013, Barcelona
10. Yuki Matsushita, Kei Sakamoto, Yoshihiro Tamamura, Ken-ichi Katsube, Kiyoshi Harada, Akira Yamaguchi: CCN3 inhibits bone regeneration via BMP signaling pathway. 21st International Conference on Oral and Maxillofacial Surgery Oct 21-24, 2013, Barcelona
11. Chieko Michikawa, Narikazu Uzawa, Toshiyuki Izumo, Akira Yamaguchi, Kiyoshi Harada: Classification of extracapsular spread of the lymph node metastasis in oral cancer. 21st International Conference on Oral and Maxillofacial Surgery Oct 21-24, 2013, Barcelona
12. SONODA Itaru, UZAWA Narikazu, SAKAMOTO Kei, HARADA Kiyoshi: Two cases of Plasmocytosis Circumorficialis. 21st International Conference on Oral and Maxillofacial Surgery Oct 21-24, 2013, Barcelona
13. Hidemi Yoshimasu, Yutaka Sato, Takashi Mishimagi, Yuko Katsuki, Kiyoshi Harada: Long-term results following the pharyngeal flap operation in patients with cleft palate and congenital velopharyngeal. 21st International Conference on Oral and Maxillofacial Surgery Oct 21-24, 2013, Barcelona
14. Tomomatsu N, Uzawa N, Aragaki T, Yoshitake H, Suzuki M, Watanabe Y, Harada K: A prognostic factor of the odontogenic maxillary sinusitis. 21st International Conference on Oral and Maxillofacial Surgery Oct 21-24, 2013, Barcelona