

Division of Reconstructive Surgery for Oral and Maxillofacial Region

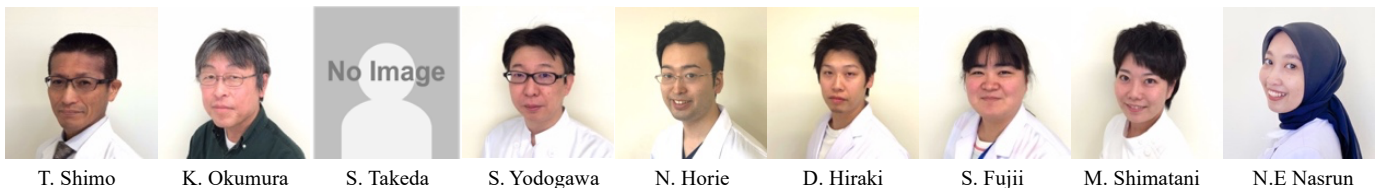
Department of Human Biology and Pathophysiology

Outline

Division of Reconstructive Surgery for Oral and Maxillofacial Region is committed with oral surgeon aiming to progress the clinical care, education, and scientific research. Our mission is to advance the modern diagnosis and treatment for oral and maxillofacial diseases through basic and clinical research.

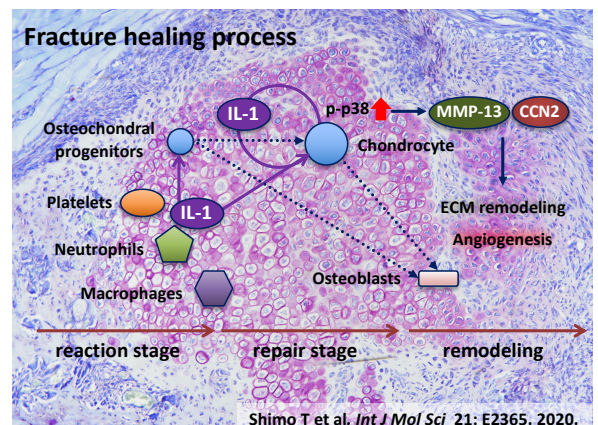
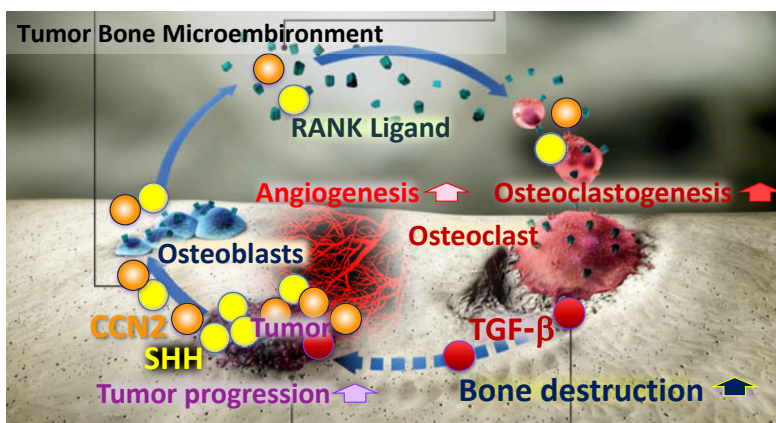
Faculty members

Name	Position
Tsuyoshi Shimo	Professor
Kazuhiko Okumura	Professor
Shigehiro Takeda	Assistant professor/Research associate
Shintaro Yodogawa	Assistant professor/Research associate
Naohiro Horie	Assistant professor/Research associate
Daichi Hiraki	Assistant professor/Research associate
Saki Fujii	Postgraduate students
Mari Shimatani,	Postgraduate students
Nisrina Ekayani Nasrun	Postgraduate students



Main research in progress

1. Bone and tissue regeneration
2. A clinical analysis of orthognathic surgery
3. Prevention of tumor invasion and metastasis
4. Effect of periodontal pathogens on the pancreas
5. Regulation and the mechanism of cancer-induced bone destruction
6. Association between the abnormal oral microbiome and carcinogenesis



Current publications (2021)

Original article

1. Yoshida S, Shimo T, Takabatake K, Murase Y, Obata K, Okui T, Kunisada Y, Ibaragi S, Nagatsuka H, Sasaki A. Expression of Neurokinin B Receptor in the Gingival Squamous Cell Carcinoma Bone Microenvironment. *Diagnostics (Basel)*. 11(6):1044. 2021 (IF= 3.24)
2. Yoshida K, Uehara O, Kurashige Y, Paudel D, Onishi A, Neopane P, Hiraki D, Morikawa T, Harada F, Takai R, Sato J, Saitoh M, Abiko Y. Direct reprogramming of epithelial cell rests of malassez into mesenchymal-like cells by epigenetic agents. *Sci Rep*. 11(1):1852. 2021. (IF= 4.379)
3. Uehara O, Hiraki D, Kuramitsu Y, Matsuoka H, Takai R, Fujita M, Harada F, Paudel D, Takahashi S, Yoshida K, Muthumala M, Nagayasu H, Chiba I, Abiko Y. Alteration of oral flora in betel quid chewers in Sri Lanka. *J Microbiol Immunol Infect*. 54(6):1159-1166. 2021. (IF= 4.339)

Clinical Case Report

1. Elsayed N, Shimo T, Harada F, Takeda S, Hiraki D, Abiko Y, Nakayama E, Nagayasu H. Masticatory muscle tendon-aponeurosis hyperplasia diagnosed as temporomandibular joint disorder: A case report and review of literature. *Int J Surg Case Rep*. 78:120-125. 2021. (IF= 0.69)
2. Elsayed N, Shimo T, Harada F, Hiraki D, Tashiro M, Nakayama E, Abiko Y, Nagayasu H. A challenging diagnosis of a mucocele in the maxillary gingiva: Case report and literature review. *Int J Surg Case Rep*. 84:106030. 2021. (IF= 0.69)
3. Harada F, Abiko Y, Khurelchuluun A, Yoshida K, Takeda S, Nakayama E, Shimo T, Nagayasu H. Intraosseous clear cell mucoepidermoid carcinoma in the maxilla: A case report and review of literature. *Clin Case Rep*. 9(7):e04447. 2021. (IF= 0.532)
4. Nasrun NE, Takeda S, Minamida Y, Hiraki D, Horie N, Nagayasu H, Shimo T. Surgical procedures for correcting vertical maxillary excess: A review. *Int J Surg Case Rep*. 86:106354. 2021. (IF= 0.69)

Departmental Bulletin Paper

1. Nasrun NE, Fujii S, Shimatani M, Shimo T. Impaired Fracture Healing Related to Malnutrition through Arginine-Citrulline-Nitric Oxide Signaling Pathways. *Dent. j. Health Sci. Univ. Hokkaido*. 40(2):65-66. 2021. (ISSN: 18805892)
2. Nasrun NE, Fujii S, Shimatani M, Shimo T. Abnormal Bone Development Related to Irritable Bowel Syndrome and Restrictive Food Intake Disorder. *Dent. j. Health Sci. Univ. Hokkaido*. 40(2):67-68. 2021. (ISSN: 18805892)