

Section of Oral Pathology

1. Staff and Students

Professor	Akira YAMAGUCHI	
Lecturer	Ken-ichi Katsube	
Assistant Professor	Kei Sakamoto	
Tokunin Assistant Professor	Sadahiro Tamamura	
Technician	Miwako Hamagaki	
Graduate Students		
Ph.D. Course	Lei Cao	Samir Kumar Pal
	Tadanobu Aragaki (Maxillofacial Surgery)	
	Tasuku Kihara (Maxillofacial Surgery)	
	Kousuke Emehara (Removable PartialDenture Prosthodontics)	
	Tsutomu Matsumoto (Maxxilofacial Orthognathics)	
	Akiko Himeno (Periodontology)	
	Erika Oue (Maxillofacial Surgery)	
	Kou Watanabe (Maxillofacial Surgery)	
	Kiyoshi Sato (Oral and Maxillofacial Surgery)	
	Ayako Nakane (Developmental Oral Health Sciences)	
Research Student	Rumana Khanom	Masaya Eto
	Zhao Xin	
Secretary	Noriko Yoshida	

2. Purpose of Education

Oral Pathology section lectures the Module “Pathology” to 3rd grade students. This Module is comprised of two categories; General Pathology and Oral Pathology. Main objective of General Pathology is to provide students various opportunities and knowledge about general aspects of various diseases. Oral Pathology provides details of pathogenesis, pathophysiology and histopathological characteristics in various oral diseases.

3. Research Subjevts

- 1) Clinico-patological research on oral and maxillofacial regions
- 2) Molecular mechanism of bone formation and bone regeneration
- 3) Roles of Notch signaling in skeletal formation and regeneration
- 4) Molecular mechanism of bone destruction by oral cancers
- 5) Evolutional changes in skeletal formation

4. Clinical Services

Our Dental Hospital has over 2,000 biopsy cases a year. Oral Pathology Section is involved in histopathological diagnosis of these biopsy cases.

5. Publications

Original Articles

1. Kadouchi I, Sakamoto K, Liu T, Murakami T, Kobayashi E, Hoshino Y, Yamaguchi A: Latexin is involved in bone morphogenetic protein-2-induced chondrocyte differentiation. *Biochem Biophys Res Commun* 378:6000-6004,2009
2. Nakanishi S, Sakamoto K, Yoshitake H, Kino K, Amagasa T, Yamaguchi A: Bone morphogenetic proteins are involved in the pathobiology of synovial chondromatosis. *Biochem Biophys Res Commun* 379:914-919,2009
3. Katsube K, Ichikawa S, Katsuki Y, Kihara T, Terai M, Lau LF, Tamamura Y, Takeda S, Umezawa A, Sakamoto K, Yamaguchi A. CCN3 and bone marrow cells. *J Cell Commun Signal.* 3:135-145,2009
4. Katsube K, Sakamoto K, Tamamura Y, Yamaguchi A. Role of CCN, a vertebrate specific gene family, in development. *Dev Growth Differ* 51:55-67,2009

Review

1. Katsube K, Sakamoto K, Tamamura Y, Yamaguchi A: CCN, a vertebrate specific gene family and Development.

Dev, Growth Differ 51:55067,2009

Case report

1. Mochizuki Y, Omura K, Kaneoya K, Kayamori K, Yamaguchi A: Osteonecrosis of the mandible associated with bisphosphonate therapy; report of a case with surgical intervention. *Oral Surg* 2:153-157,2009