Maxillofacial Anatomy

1. Staffs and Students (April, 2009)

Professor	Yasuo YAMASHITA	
Associate Professor	Tatsuo TERASHIMA	
Assistant Professor	Shun-ichi SHIKANO,	Tatsuhiko ABE
Technical Official	Toshimitsu YAMAMOTO,	Michi MATSUBARA

2. Purpose of Education

Main educational purpose of maxillofacial anatomy in graduate course is to provide students opportunity to understand the function of various oral organs in a morphological viewpoint and ability to evaluate various vital phenomenon encountered in medical practice.

3. Research Subjects

1) Mechanism of epithelial attachment of junctional epithelium in human gingiva.
2) Comparative histology and embryology of teeth.
3) Observation on the structural features of oral mucous
4) Anatomical names of the structures of human skeletal system.
5) Biological analysis of root formation of mouse molars by long-term organ culture method.
6) Mechanisms of enamel formation in amelogenesis imperfecta rat (ami).
7) Role of the dental sac in the formation and the development of the dental and periodontal tissues.
8) Morphological researches on Sinus maxillaris.
9) Studies on regeneration of jawbone
10) Anatomy for dental implant

4. Publications

Original Article

1. Geurtsen J, Chedammi S, Mesters J, Cot M, Driessen NN, Sambou T, Kakutani R, Ummels R, Maaskant J, Takata H, Baba O, Terashima T, Bovin N: Identification of mycobacterial alpha-glucan as a novel ligand for DC-SIGN; involvement of mycobacterial capsular polysaccharides in host immune modulation. Journal of Immunology, 183: 5221-5231, 2009.
2. 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, 7(1):15-25, 2009.
3. Kon K, Shiota M, Ozeki M, Yamashita Y, Kasugai S: Bone augmentation ability of autogenous bone graft particles with different sizes: a histological and micro-computed tomography study. Clinical Oral Implants Res, 20(11):1240-1246, 2009.
4. Nakamura T, Shiota M, Kihara H, Yamashita Y, Kasugai S: Effects of granule size and surface properties of red algae-derived resorbable hydroxyapatite on new bone formation. J Oral Tissue Engin, 6(3), 167-179, 2009.

Review Article

Book