

Maxillofacial Anatomy

1. Staffs and Students (April, 2010)

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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. Baba O, Terashima T, Fuchigami M, Kozawa Y: The mechanism of differentiation to tooth crown and tooth root. Archives of Comparative Biology of Tooth Enamel, 11: 86-94, 2010.
2. Nozaki K, Kaku M, Yamashita Y, Yamauchi M, Miura H: Effect of cyclic mechanical loading on osteoclast recruitment in periodontal tissue. J Periodont Res, 45(1): 8-15, 2010.
3. Shikano S, Abe T, Terashima T. : Analysis and classification of Latin anatomical names of skeletal canals in Terminologia anatomica, and comparison with corresponding Japanese anatomical names. Kokubyo Gakkai Zasshi, 77(3):176-81,2010.