Anesthesiology and Clinical physiology

1. Staffs and Students (April, 2009)
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2. Purpose of Education
Main objective of Anesthesiology and Clinical Physiology in the graduate course is to provide students inevitable knowledge and skills of general and local anesthesia, management of medically complicated patients in dental clinical setting and oro-facial pain treatment. The subjects including general anesthesia local dental anesthesia, sedation methods, CPR training are scheduled in the 5th grade students. The Students can learn respiratory and cardiovascular physiology, nature of genera anesthetics, local anesthetics, intravenous anesthetics, muscle reluctant agents. As Psycho-sedation was frequently used in dental clinical setting, the students can learn and acquire the theory and technical aspects of sedation. The students can learn the pharmacological and complicated aspects of local anesthetic s and practice how to handle the local anesthesia including the conduction block and infiltration anesthesia in oral region. The students can learn the theory of CPR and AHA CPR guidelines, and practice and acquire the BLS,ACLS sequence.

3. Research Subjects
1) Develop of non-invasive drug delivery system
2) Elucidation of relationships between noxious stimulation and autonomic nervous systems
3) Elucidation of cause of neuropathic pain and develop of its' treatments
4) Elucidation of mechanism of diffuse noxious inhibitory controls
5) Clinical research of psyco-sedation and systemic management in dental clinical setting.

4. Clinical Services
Anesthesiology and clinical physiology provide general anesthesia and sedation for oral maxillofacial surgery, managements of medically complicated patients with psyco-sedation, daycare general anesthesia for handicapped patients, emergency treatment in dental hospital, and non invasive local anesthesia.

5. Publications
Original Article

