Oral and Maxillofacial Radiology

1. Staffs and Students (April, 2012)

Professor Tohru KURABAYASHI
Associate Professor Hiroshi WATANABE
Junior Associate Professor Naoto OHBAYASHI, Norio YOSHINO
Assistant Professor Akemi TETSUMURA, Shin NAKAMURA, Kiyoshi OKOCHI, Ami KURIBAYASHI
Hospital Staff Natsuko TAKATSUKA, Tadanobu ARAGAKI, Yoshikazu NOMURA, Atsushi KAIDA
Graduate Student Yosuke KAMIYAMA, Kretapirom KORNKAMOL, Kamrun NAHAR, Madoka SUZUKI, Akira TAKAHASHI, Yoshihiro OZAKI
Secretary Izumi MOTOHASHI

2. Purpose of Education

Oral and maxillofacial radiology is a branch of dental science which deals with the effective application of radiation energy to the diagnosis and treatment of oral and maxillofacial diseases. Main objective of oral and maxillofacial radiology in the graduate course is to provide students opportunity to study advanced imaging modalities including digital imaging, cone-beam CT, multi-detector row CT and MRI, and also to study image processing and image analysis technology. Students are also taught on basic radiation oncology and its related laboratory technology depending on their research project.

3. Research Subjects

1) Diagnosis of maxillofacial diseases by CT, MRI and PET imaging
2) Advantages of cone-beam CT for clinical dentistry
3) Development of high resolution MRI technology.
4) Novel MRI techniques for TMJ disorders.
5) Factors determining radioresistance of oral and maxillofacial cancers.

4. Clinical Services

Oral and maxillofacial radiology clinic provides a full spectrum of imaging examinations and diagnosis, including CT and MRI. Non-invasive, interventional radiology for patients with salivary gland stone is also performed in the clinic.

5. Publications

Original Article


