Oral and Maxillofacial Radiology

1. Staffs and Students (April, 2009)

Professor   Tohru KURABAYASHI
Associate Professor   Mizue IDA
Junior Associate Professor   Naoto OHBAYASHI, Norio YOSHINO
Assistant Professor   Akemi TETSUMURA, Hiroshi WATANABE, Kiyoshi OKOCHI
Hospital Staff   Ami KURIBAYASHI, Akiko IMAIZUMI
Foreign Researcher Mohammad Abdul MOMIN
Graduate Student Mustafa ALKHADER, Yoshikazu NOMURA, Yosuke KAMIYAMA
Research Student Sara AHRABI
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


