



Dental Radiology

- basic principles of radiation protection for dentist
- imaging methods used in dentistry
- indications and contraindications of intraoral and extraoral X-rays
- radiologic anatomy of maxillofacial region and dental tissues
- pathological changes in maxillofacial region and dental tissues on X-rays

Skills

- assessment of normal panoramic and intraoral X-rays
- diagnosis of pathologies in maxillofacial region and dental pathologies based on X-rays
- methods and techniques of intraoral and panoramic X-rays

Course syllabus summary:

1. Dental X-ray equipments.
2. Technical requirements for dental X-ray station.
3. Radiological anatomy of the facial skeleton.
4. General characteristics and classification of pathologies in maxillofacial region (radiolucency/radiopacity), foreign bodies, infections, cysts.
5. Radiology of orthodontic anomalies. Pathology of maxillary sinuses and salivary glands.
6. Fractures in maxillofacial region, systemic disease.
7. Tumors in maxillofacial region.
8. Importance of radiology in reconstructive dentistry.
9. Basic criteria for an X-ray image in periodontology.
10. Radiology of temporomandibular joint. Radiology in pediatric dentistry.

Recommended literature:

Anil Ghom: Textbook of Oral Radiology, 2009

Stuart C. White, Michael J. Pharaoh: Oral Radiology Principles and Interpretation 7th edition, 2013
Robert Langlais: Exercises in Oral Radiology and Interpretation 4th edition, 2003