Radiation Safety Concern and Guidelines for 2D and 3D Images

Live CE Course Via Zoom

Date: Friday, March 19, 2021
Time: 12:00pm – 2:00pm
Registration: 11:30am
Tuition: D $60 DT $30 Faculty $15 Residents/Students FREE
Credits: 2 (L)

Dentists and dental specialists use two dimensional (2D) intra-and extra-oral radiographs for diagnosis on a daily base. It is important for the dental professionals to understand the benefit and potential risk of ionizing radiation, and to be familiar with national guidelines for prescribing dental radiographs. Nowadays, three dimensional (3D) cone-beam computed tomography (CBCT) has been widely used for implant placement, temporomandibular joint abnormalities, orthodontic and endodontic treatment planning, and airway assessment. We must take effort to minimize the patient's radiation exposure from both 2D and 3D images. We should also be prepared to discuss the benefit and risk of diagnostic imaging with the patient.

Upon course completion, you will:
- Understand the risk and benefit balance of dental radiographs.
- Understand ADA/FDA guidelines for dental image prescriptions.
- Know the principles of 3D Cone-Beam CT (CBCT) and its dental applications.
- Understand radiation dose, safety concern, and position guidelines on CBCT.

Presenter:
Jie Yang, DDS, MMedSc, MS, DMD
Dr. Yang is Professor and Director of Oral and Maxillofacial Radiology at Temple University. He has been an American Board Certified Oral and Maxillofacial Radiologist since 1996. Currently Dr. Yang is President of the International Association of Dento-Maxillo-Facial Radiology (IADMFR). He was Past President of American Academy of Oral and Maxillofacial Radiology (AAOMR). He has served as the Councilor of Educational Affairs, Voting Representative of AAOMR to the ADA’s Standards Committee, and Chair of AAOMR’s Position Paper Committee. He has published 70 peer-reviewed articles and 150 research abstracts, many of them in prestigious dental and radiology journals, such as American Journal of Neuroradiology, Investigative Radiology, Oral Surgery, Oral Medicine, Oral Pathology, and Oral Radiology (OOOO), and Dento-Maxillo-Facial Radiology. Dr. Yang has supervised many international visiting scholars and lectured world-wide.

Dr. Jie Yang: No relevant financial relationships to disclose.
CE Planning Committee: Members of the CE planning committee have no relevant financial relationships to disclose.