

# THE SAFE AND EFFECTIVE USE OF RADIATION IN DENTAL PRACTICE

**Date:** Thursday, December 3, 2009  
**Time:** Registration – 8:30 am; Course – 9 am – 4:30 pm  
**Credit:** 6 hours (Scientific/Category B)  
**Location:** DoubleTree Guest Suites Lexington  
2601 Richmond Road  
Lexington, KY  
**Tuition:** \$125 auxiliary  
(lunch included)  
**Register by November 13, 2009**

*There are training requirements for auxiliaries before they can take dental radiographs in Kentucky.*

The Kentucky Board of Dentistry recently has amended the minimal educational requirements for dental auxiliary personnel prior to taking dental radiographs under a dentist's direct supervision (201 KAR 8:130 X-rays by dental assistant – amended 5/10/00). All dental auxiliary personnel must satisfy the following two (2) requirements before taking x-rays in a dental office:

- a. Didactic completion of a course in radiation safety. This can be verified by providing proof of completion of the Radiography Section of the Dental Assistants National Board Examination or attending an approved continuing education course (6 hours minimum) provided by a certified presenter.
- b. Practical  
A practicum course in x-ray technique (4 hours minimum). This is verified by a dentist's written documentation of a student's completion of four (4) hours of instruction in dental radiography technique in the practice or by attending a four hour (4) continuing education course in radiography technique approved by the Board before being allowed to expose radiographs.

## **Program**

This course satisfies the didactic requirements of the Kentucky Board of Dentistry. The course includes:

- Basic principles and concepts of radiation
- Exposure factors and how they affect the radiographic image
- Image receptors and processing of radiographs
- Radiation safety for both patient and operator
- Principles of intraoral (bitewing/periapical/occlusal) imaging and clinical technique
- Radiographic film mounting, labeling and record keeping
- Principles of quality assurance and implementation into clinical practice
- Extraoral radiography

After the course is completed, an examination will be given. Participants who successfully complete the examination will receive a certificate of completion and will be permitted to expose radiographs on patients under the direct supervision of a dentist in accordance with Kentucky dental law.

## **Speaker**

**Juan F. Yepes, DDS, MD, MPH**, is an assistant professor in the division of Oral Diagnosis, Medicine and Radiology, University of Kentucky College of Dentistry; he also has a joint

appointment in Diagnostic Radiology at the University of Kentucky Medical Center. Dr. Yepes received his D.D.S. degree from Javeriana Pontifical University, College of Dentistry, (Bogotá, Colombia) in 1992 and his M.D. degree from the same university, College of Medicine in 1998. After practiced Family Medicine for 2 years, he attended the University of Iowa and the University of Pennsylvania where he completed a fellowship and residency in Oral Radiology and Oral Medicine respectively in 2002 and 2004. In 2006, Dr Yepes completed a Master in Public Health with emphasis in Epidemiology at the University of Kentucky College of Public Health. Dr. Yepes is board certified by the American Board of Oral Medicine an active member of the American Academy of Oral Medicine, American Academy of Oral and Maxillofacial Radiology, American Medical Association, Hispanic Dental Association, International Association of Dentomaxillofacial Radiology and American Dental Association. His teaching, research and practice interests are in the areas of oral medicine, oral radiology, medically compromised patients and orofacial pain.