

# Radiation Protection Update Seminar for the Dental Team

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**13/10/2009 Future Inns**

A one-day seminar/workshop on the impact and application of the IR(ME)R “Core of Knowledge” in Dentistry. It will include revision of prior knowledge, provide updates on the impact of the latest legislation. It will provide guidelines on the appropriate implementation, management and impact on clinical practice of this legislation.

**Learning Outcomes:** by the end of the day you should be able to:

- ✓ *Describe the nature and effects of ionising radiation*
- ✓ *Define the sources of radiation dose to the UK population*
- ✓ *Identify and quantify some of the radiation risks involved in dental radiology*
- ✓ *Outline the principle components of the IRR1999 and 2000 legislation*
- ✓ *Identify the impact of the legislation on clinical practice*
- ✓ *List appropriate quality control measures*
- ✓ *Describe the radiographic audit process*
- ✓ *Identify considered “best practice”*
- ✓ *List the operational management priorities for your practice*

**09:00 Coffee & Registration**

**09:30 Introduction & Science update**

*The history of radiology and UK dose distributions*

*The nature of ionising radiation*

*Radiobiology and the effect of radiation on biological tissues*

*Dose/Risk estimates and dose limitations*

**11:00 Coffee**

**11:30 Revised Legislation**

*Background (ICRP (60) 1990, NRPB Report): justification, optimisation and dose limitation*

*IRR 1999, Radiation Protection and Local Rules: impact on dental practices*

**12:45 Lunch**

**1:30 Clinical Practice**

*IR(ME)R 2000 Roles and responsibilities of the Employer, Referrer, Practitioner, and Operator*

*Impact of the legislation on selection criteria, QA/QC and audit*

**3:00 Tea**

**3:30 Implementation Policies:**

*Quality management, education and training*

*What is needed? Why is it needed? How can it be done?*

**4:30 Close**