

Verifiable CPD - Radiation Dose and Legislation

Please select one answer for each question		
1	What effective dose of radiation is received when a modern bitewing/periapical is taken?	
a)	0.001-0.008 Sieverts	<input type="radio"/>
b)	0.001-0.008 mSv	<input type="radio"/>
c)	8.0 mSv	<input type="radio"/>
d)	0.1-0.8 Sieverts	<input type="radio"/>
2	Which of these are the legal regulations which form part of the Health and Safety at Work Act 1974 and are primarily concerned with the radiographic equipment, the workers and the public?	
a)	The Ionising Radiation Regulations 1999 (IRR99)	<input type="radio"/>
b)	Selection Criteria for Dental Radiography	<input type="radio"/>
c)	Guidelines on Radiological Standards in Primary Dental Care	<input type="radio"/>
d)	Guidance Notes for Dental Practitioners on the Safe Use of X-ray Equipment	<input type="radio"/>
3	Which of these are the legal regulations which form part of the Health and Safety at Work Act 1974 and are primarily concerned with the protection of the patient?	
a)	Selection Criteria for Dental Radiography	<input type="radio"/>
b)	Guidelines on Radiological Standards in Primary Dental Care	<input type="radio"/>
c)	The Ionising Radiation (Medical Exposure) Regulations 2000 (IR(ME)R2000)	<input type="radio"/>
d)	Guidance Notes for Dental Practitioners on the Safe Use of X-ray Equipment	<input type="radio"/>
4	What is the recommended system of dose limitation?	
a)	There should be justification of practice	<input type="radio"/>
b)	There should be optimisation of radiation protection	<input type="radio"/>
c)	There should be dose limits for individuals at work and for members of the public	<input type="radio"/>
d)	All of the above	<input type="radio"/>
5	What does the acronym ALARP stand for in radiography?	
a)	Keeping exposures as large as reasonably practicable	<input type="radio"/>
b)	Keeping exposures as low as reasonably practicable	<input type="radio"/>
c)	Keeping exposures as large and risky as possible	<input type="radio"/>
d)	None of the above	<input type="radio"/>

6 Which of these statements is true?

- a) Personal monitoring is compulsory for all dental staff involved in radiography
- b) Personal monitoring is not recommended for any dental staff involved in radiography
- c) Personal monitoring is compulsory if the weekly work load exceeds 500 panoramic or 200 intra oral films per week, or a pro rata combination of each type of examination
- d) Personal monitoring is recommended if the weekly work load exceeds 50 panoramic or 100 intra oral films per week, or a pro rata combination of each type of examination

7 Which speed of film will offer the patient the least exposure to ionising radiation

- a) F speed
- b) D speed
- c) E speed
- d) C speed

8 Which of the following statements is true?

- a) A lead apron will stop the scatter of ionising radiation within the body
- b) A lead apron is compulsory for all patients that are exposed to ionising radiation during dental radiography
- c) There is usually no justification to routinely provide the patient with a lead apron during dental radiography
- d) The operator must always protect themselves with a lead apron

9 How are individuals who work with radiation classified?

- a) Into classified workers who receive an upper annual dose limit of 20mSv per year and non classified workers who receive an upper annual dose limit of 6 mSv per year
- b) They are not classified
- c) Into classified workers who receive an upper annual dose limit of 2 mSv per year and non classified workers who receive an upper annual dose limit of 6 mSv per year
- d) Into classified workers who receive an upper annual dose limit of 6 mSv per year and non classified workers who receive an upper annual dose limit of 20 mSv per year

10 What is the aim of a quality assurance programme in dental radiography?

- a) To ensure that radiation doses to patients (and staff) are kept as low as reasonably practicable.
- b) To highlight sources of error so that they can be rectified
- c) To produce radiographs that are of a consistently high standard
- d) All of the above

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