DENTAL PRACTICE
Address Line 1
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County
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RADIATION PROTECTION FILE

Produced to ensure compliance with:

The Ionising Radiations Regulations 2017

And

Ionising Radiation (Medical Exposure)
Regulations 2017



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1. PRINCIPLES, DUTY HOLDERS AND RESPONSIBILITIES

1.1 Introduction

This RADIATION PROTECTION FILE contains the general principles and evidence that demonstrates compliance with the relevant Regulations and Guidance, in particular:

- The Ionising Radiations Regulations 2017 (IRR17) (Statutory Instrument 2017, No. 1075) and the associated Approved Code of Practice and Guidance¹.
- Ionising Radiation (Medical Exposure) Regulations 2017 (IR(ME)R) (Statutory Instrument 2017, No. 1322).
- Guidance Notes for Dental Practitioners on the Safe Use of X-ray Equipment, NRPB, 2001.

1.2 THE PRINCIPLES OF RADIATION PROTECTION

Radiation protection is based on three principles:

- **JUSTIFICATION:** No practice shall be adopted unless its introduction produces a net benefit i.e. all exposure to ionising radiation must be clinically justified, and the benefits must outweigh the risks.
- OPTIMISATION: All radiation exposures shall be kept As Low As Reasonably Practicable (ALARP),
 economic and social factors being taken into account.
- LIMITATION: The dose equivalent to individuals shall not exceed the dose limits.

The first two principles apply to the X-ray examination of patients.

The final two principles apply to the protection of staff and public.

1.3 RADIATION PROTECTION DUTY HOLDERS AND RESPONSIBILITIES

There are a range of responsibilities and staff appointments required under both IRR17 and IR(ME)R; hence, it is important to ensure that these are made clear (in writing), and backed up by appropriate training records for that role.

1.3.1 EMPLOYER:

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The Employer for this Practice is:	
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¹ http://www.hse.gov.uk/pubns/books/l121.htm

1.3.2 REFERRERS, IR(ME)R PRACTITIONERS AND OPERATORS:

Under IR(ME)R, there is a requirement to identify, in writing, those individuals who are entitled to act as referrer, IR(ME)R practitioner and operator. In dentistry, this process is often a simple one with the dentist acting as referrer, practitioner and operator; however, dental assistants and other suitably trained individuals, may also be involved in the taking or processing of X-rays. Referrals for X-ray may also occasionally arise from third parties.

REFERRERS:

Request an X-ray examination subject to the employer's referral criteria. All referrals for X-ray examination must be in accordance with the Selection Criteria for Dental Radiography from the Faculty of General Dental Practitioners (UK), and/or any locally written referral criteria. Referrers must be registered healthcare professionals.

aiv	viduals entitled to act as Referrers to this practice are:
	Registered doctors and dentists
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Full template supplied as Microsoft Word document to all client practices to assit in compliance with radiation regulations.

Contact us now for a full quotation for your practice using the form on our website or by emailing us at dental@hullrad.org.uk. If you would like to speak to us in person, please call us on 01482 461330.