
STATUTORY INSTRUMENTS

2017 No. 1322

The Ionising Radiation (Medical Exposure) Regulations 2017

Expert advice

14.—(1) The employer must ensure that a suitable medical physics expert is appointed and involved, in accordance with paragraph (2), in relation to every type of exposure to which these Regulations apply.

(2) A medical physics expert must—

- (a) be closely involved in every radiotherapeutic practice other than standardised therapeutic nuclear medicine practices;
- (b) be involved in practices including standardised therapeutic nuclear medicine practices, diagnostic nuclear medicine practices and high dose interventional radiology and high dose computed tomography;
- (c) be involved as appropriate for consultation on optimisation, in all other radiological practices not mentioned in sub-paragraphs (b) and (c); and
- (d) give advice on—
 - (i) dosimetry and quality assurance matters relating to radiation protection concerning exposures;
 - (ii) physical measurements for the evaluation of dose delivered;
 - (iii) medical radiological equipment.

(3) A medical physics expert must also contribute to the following matters—

- (a) optimisation of the radiation protection of patients and other individuals subject to exposures, including the application and use of diagnostic reference levels;
- (b) the definition and performance of quality assurance of the equipment;
- (c) acceptance testing of equipment;
- (d) the preparation of technical specifications for equipment and installation design;
- (e) the surveillance of the medical radiological installations;
- (f) the analysis of events involving, or potentially involving, accidental or unintended exposures;
- (g) the selection of equipment required to perform radiation protection measurements;
- (h) the training of practitioners and other staff in relevant aspects of radiation protection;
- (i) the provision of advice to an employer relating to compliance with these Regulations.

(4) The medical physics expert must, where appropriate, liaise with a radiation protection adviser and a radioactive waste adviser.

(5) In this regulation—

- (a) “radiation protection adviser” means an individual who, or a body which is competent to advise on radiation protection in relation to occupational and public exposures;

- (b) “radioactive waste adviser” means an individual who, or a body which is competent to provide expert advice on radioactive waste management and environmental radiation protection.