Audit 17

1) Audit Title
Specific technical requirements for equipment for use in medical exposures

2) Standard against which the audit topic is to be compared
The BSSD article 60 has introduced specific requirements for new equipment, there are no current requirements for equipment replacement solely based on age (as opposed to performance, see article 60.2)

3) Source of standard
European directive 2013/59/Euratom, Article 60

4) Type of audit
Clinical regulatory

5) Target / compliance percentage to be achieved
100% – mandatory and subject to inspection

6) Item or variable to be audited
A number of potential audit variables, including:

a) Fluoroscopy equipment without a device to automatically control dose rate, or without an image intensifier, is prohibited
b) IR equipment should have the facility to inform the practitioner of the quantity of radiation produced during the procedure
c) IR/CT equipment should have the facility to inform the practitioner at the end of the procedure of relevant parameters for assessing patient dose
d) IR/CT equipment has the capacity to transfer the above information to the record of the examination

Please note there are a number of exemptions detailed within the BSSD, these should be referred to prior to auditing

7) Method
Retrospective/Prospective/Other
Assessment of all existing / prospective equipment

8) Data or information to be collected
See above

9) Sample details (number of patients, collection time period)
See above

10) Target achieved (yes / no / not applicable)
Y or N

11) Actions to be taken if the target is not met
If N, this is an important issue which needs urgent review and discussion with appropriate authorities/ regulatory bodies and likely investment in new, updated equipment

12) Timing for re-audit
(yes/no/not applicable)