

## The RCT Evidence Criteria – Nuclear Medicine

These standards have been developed to support the route to equivalence. They reflect the standards that have been applied throughout the life of the register and have been derived from competencies contained within approved training route criterion. The RCT Management Panel are able to quality assure technologists via this route and determine the depth and breadth of their knowledge and skills. Only when successfully evidencing these standards through a portfolio can the RCT Management Panel be satisfied that Technologists are able to carry out their role safely and effectively.

### A. Safe Working Practice

1. Provide evidence that you are competent with a range of generic skills including mandatory training e.g. infection control and basic life support.
2. Demonstrates an understanding and application of health and safety and risk management in all aspects of the Clinical Technologists role.
3. Demonstrates an understanding of, and works within all relevant legislation to their role including departmental local rules and employers procedures.
4. Perform health and safety risk assessments (including radiation risk assessments for ionising radiation) in accordance with standard operating procedures.
5. Provide evidence of radiation incident reporting.
6. Demonstrates effective communication skills and team working.
7. Demonstrates a professional approach to all aspects of the Clinical Technologists role.
8. Assists in giving instructions to patients and colleagues regarding radiation hazards, doses and restrictions.
9. Demonstrates reflective practice as part of the learning process.

### B. Equipment Management

1. Assist in the process for the procurement of equipment, accessories or consumables.
2. Demonstrates the use of an equipment inventory system.
3. Performs cleaning/decontamination of equipment.
4. Performs routine equipment quality control checks and review and interpret results.
5. Performs a range of fault finding and first line user maintenance.
6. Demonstrates knowledge of radioactive source management and disposal.
7. Demonstrates an understanding of quality management systems.
8. Observe and assist with equipment life cycle procedures as an equipment user.

### C. Nuclear Medicine

1. Perform all aspects of patient preparation for in vivo/ imaging/therapy treatment; and compliance with legislation. Adhering to standards of professional practice throughout.
2. Operate equipment safely across a range of acquisitions and recording techniques to produce high quality results for interpretation.
3. Assist with a range of therapy procedures.
4. Assist with commissioning checks on a range of systems, and review and interpret results.
5. Assist in appointment scheduling.

Version No 001 / Issued May 2016

6. Assist with clinical audit.
7. Demonstrates accurate recording keeping.
8. Performs a range of QC checks including the environment; review and interpret results.
9. Performs a range of radioactive manipulations to include activity calculations and measurements.
10. Performs a range of tests to demonstrate problems associated with assay.

#### **D. Radiopharmaceuticals**

1. Complete training courses for venous sampling, the administration of radiopharmaceuticals and the giving of adjunct drugs and perform these tasks.
2. Adhere to relevant standards of professional practice as defined in good manufacturing practice.
3. Elute the  $^{99m}\text{Tc}$  generator and reconstitute commercial kits in accordance with written procedures.
4. Observe or assist with cell labelling procedures.

#### **E. Radiation Transport and Dosimetry**

1. Perform source checks and completes all relevant paper work prior to transport.
2. Perform sealed source leak tests, review results and take appropriate action.
3. Perform contamination checks and maintain appropriate records.

#### **F. Good Scientific Practice**

1. Adhere to relevant standards of professional practice as defined in Good Scientific Practice. Demonstrate that you have read, understood and comply with this document in all aspects of work.

*Version No 001 / Issued May 2016*