

**Nuclear Medicine ARCP Decision Aid** – minimal standards for ARCP (satisfactory progress) outcome

Core Medical Training

	<b>RITA Month 8</b>	<b>RITA Month 16</b>	<b>RITA Month 23</b>
<b>Emergency Presentations</b>	Some experience of all	Level 1 competent in all	Level 1 competent in all
<b>Top 20 Presentations</b>	Some experience of 1/2 (mini-CEX / CbD / ACAT evidence)	Level 1 competent in 1/2 (mini-CEX / CbD / ACAT evidence) Some experience of all	Level 1 competent in all (mini-CEX / CbD / ACAT evidence)
<b>Other Presentations</b>	Level 1 competent in 1/2 relevant to specialties experienced so far (mini-CEX / CbD / ACAT evidence)	Level 1 competent in 1/2 relevant to specialties experienced so far (mini-CEX / CbD / ACAT evidence)	Level 1 Competent in all relevant to specialties experienced so far (mini-CEX / CbD / ACAT evidence)
<b>Procedures</b>	Competent in all procedures relevant to specialties experienced so far (DOPS evidence)	Competent in all procedures relevant to specialties experienced so far <b>and</b> Competent in 1/2 of all procedures (DOPS evidence)	Competent in all procedures (DOPS evidence)
<b>Generic Competencies (Focus areas)</b>	Some experience of 1/2 of Mandatory Level 1 Competency Focus Areas (mini-CEX / CbD / ACAT evidence)	Some experience of all Level 1 areas Level 1 competent in 1/2 (mini-CEX / CbD / ACAT evidence)	Level 1 competent in all Level 1 Competency Focus areas Some experience of 1/2 of Level 2 Competency Focus areas (mini-CEX / CbD / ACAT evidence) Satisfactory progress in MSF
<b>Examinations</b>	-	Review MRCP (UK) Part I progress	MRCP (UK) Part I
<b>ALS</b>	Valid	Valid	Valid
<b>Minimum number of workplace assessments</b>	Minimum of 3 ACATs should be done per year (aiming for 6 per year) + min of 4 mini-CEX per year + min of 4 CbD per year + DOPS until independence in procedures demonstrated + 1 MSF per year		
<b>Events giving concern</b>	The following events occurring at any time may trigger review of trainee's progress and possible remedial training: issues of professional behaviour; poor performance in work-place based assessments; poor MSF performance; issues arising from supervisor report; issues of patient safety		

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Nuclear Medicine Specialist Training

	<b>RITA ST3</b>	<b>RITA ST4</b>	<b>RITA ST5</b>	<b>RITA ST6</b>
<b>Basic Competencies</b>	Level 1 Competent in ALL (as per list) (DOPS, MSF evidence)	Level 2 Competent in ALL (as per list) (DOPS, MSF evidence)	Level 3 Competent in ALL (as per list) (DOPS, MSF evidence)	Level 3 Competent in ALL (as per list) (DOPS, MSF evidence)
<b>Top 20 Procedures</b>	a) Level 1 Competent in 50% of diagnostic procedures (as per list) (DOPS, CbD evidence) b) Introduction to topics/theoretical knowledge of therapeutic procedures (as per list)	a) Level 1 Competent in 100% of diagnostic procedures (as per list) (DOPS, CbD evidence) b) Level 1 Competent in 2 of the therapeutic procedures (as per list) (DOPS, CbD, miniCEX evidence)	Level 2 Competent in 100% of procedures (as per list) (DOPS, CbD, miniCEX evidence)	b) Level 3 Competent in 100% of diagnostic procedures (as per list) (DOPS, CbD, miniCEX evidence)
<b>Other Procedures</b>	Introduction to topics /Theoretical knowledge (as per list)	Introduction to topics (as per list)	Level 1 Competent in 50% (as per list) (DOPS, CbD evidence)	Level 1/2 Competent in 100% (as per list) (DOPS, CbD evidence)
<b>Minimum No of work place assessments</b>	4 mini-CEX; 6 DOP; 6 CbD	4 mini-CEX; 6 DOP; 6 CbD	4 mini-CEX; 6 DOP; 6 CbD	4 mini-CEX; 6 DOP; 6 CbD
<b>MSF</b>	Satisfactory	Satisfactory	Satisfactory	Satisfactory
<b>MRCP (UK)</b>	Evidence of passing MRCP (UK) Diploma (P1 & P2)			
<b>ALS</b>	Valid	Valid	Valid	Valid
<b>Diploma in Nuclear Medicine</b>	Attend Lectures as per course curriculum	Examined and Passed Diploma in Nuclear Medicine		
<b>Generic Competencies (Focus areas)</b>	Competent in number of Level 2 Focus Areas proportional to total time of training from ST3 to CCT, and competent in ALL Level 2 Focus Areas by final year RITA			

Definition of Competence for Generic Competencies, Top 20 Diagnostic Procedures, and Other Procedures: Satisfactory DOPS, and/or CbD,

Definition of Competencies for Therapy: Satisfactory miniCEX and/or DOPS, CbD

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**Definitions:**

**Basic Competencies:**

- Basic Physics and Mathematics
- Instrumentation and Computers
- Radiation Biology and Radiation Protection
- Radiochemistry and Radiopharmacy
- Relevant Regulations
- General Preparation of patients prior to routine tests
- Injection of commonly used radiopharmaceuticals
- Techniques of tomographic reconstruction
- General concepts of correlative imaging
- Audit of scans

**Top 20 Nuclear Medicine Procedures:**

**Diagnostic:**

- Myocardial Perfusion Imaging
- Radionuclide ventriculography
- Brain blood flow and receptor imaging
- Adrenal Imaging
- Endocrine (thyroid and parathyroid)
- Gastrointestinal Blood loss and Meckel's scanning
- Hepatobiliary Imaging
- Infection / Inflammation Imaging
- Lymphoscintigraphy and Sentinel Lymph Node Imaging
- Oncology (Non-PET)
- Paediatric Nuclear Medicine
- Radionuclide Imaging for Pulmonary Embolism
- Bone Scanning
- Bone densitometry
- Renal Imaging
- PET –CT (Oncology)
- Non-Imaging Diagnostics

**Therapy:**

- Radioiodine Therapy for Thyrotoxicosis
- Radioiodine ablation in Carcinoma Thyroid
- Radionuclide therapy for Skeletal Metastases

**Other Diagnostic Procedures:**

- Salivary Gland Imaging
- Oesophageal Transit and Gastro-oesophageal Reflux
- Gastrointestinal Transit
- Hepatic and Splenic Function
- Mucociliary Clearance
- PET in Cardiology
- PET in Neuropsychiatry
- SPECT-CT

**Other Therapy Procedures:**

- Radionuclide therapy for Neuroendocrine tumours
- Radiation Synovectomy
- Radionuclide therapy for Polycythaemia
- Radioimmunotherapy
- Other newer therapies

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**ALS:**

Advanced Life Support Certificate from Resuscitation Council (UK)

**Diploma in Nuclear Medicine** (Taught Component of M.Sc):

**Levels of Competence**

- Level 1**            The trainee has comprehensive understanding of principles and practices under direct supervision
- Level 2**            The trainee has a good general knowledge and understanding of most principles and practices under indirect supervision. He/She should be able to deal with most day-to-day issues in a hospital Nuclear Medicine department to an adequate level but will still require consultant input with regard to complex management and clinical issues.
- Level 3**            The trainee has in-depth knowledge and understanding of principles. He/she should be competent to discuss and deal with the subject (or, where appropriate, perform the task / procedure), demonstrating a level of clinical or professional judgment commensurate with independent practice at consultant level. It is anticipated that a trainee at this level should have consultant input readily available at all times where required.