



## **Module Specification**

### **Reporting Skills in Nuclear Medicine**

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## Part 1: Information

**Module title:** Reporting Skills in Nuclear Medicine

**Module code:** UZYSRM-15-M

**Level:** Level 7

**For implementation from:** 2023-24

**UWE credit rating:** 15

**ECTS credit rating:** 7.5

**Faculty:** Faculty of Health & Applied Sciences

**Department:** HAS School of Health and Social Wellbeing

**Partner institutions:** None

**Field:** Allied Health Professions

**Module type:** Module

**Pre-requisites:** None

**Excluded combinations:** None

**Co-requisites:** None

**Continuing professional development:** Yes

**Professional, statutory or regulatory body requirements:** None

## Part 2: Description

**Overview:** Not applicable

**Features:** Module Entry requirements: Relevant Nuclear Medicine experience

**Educational aims:** See Learning Outcomes.

**Outline syllabus:** The syllabus includes:

Applied Anatomy:

Applied anatomy, physiology and pathological processes will be introduced for a number of human body systems.

Nuclear Medicine Reporting:

The following headings will be used to discuss the distribution and appearance of radioactive tracers used across a range of common Nuclear Medicine procedures:

Normal patterns of uptake, distribution and excretion

Common normal variants

Appearance of common pathologies

Artefacts commonly encountered

Relevance to patient's management / treatment

Functional and anatomical image appearances within the hybrid-imaging environment (SPECT/CT only) will also be discussed.

The Development of a Nuclear Medicine Report:

Reporting terminology and the construction of a report will be considered in line with current professional guidance.

Additional Syllabus Content:

The following areas will also form an integral part of the module delivery:

Moral rules: ethical principles and philosophical approaches related to image interpretation

The rights and duties of healthcare professionals

The contractual obligations of professional practitioners including negligence and general legal principles

Informed consent and the importance of confidentiality

Service enhancement and current clinical legislation / governance

Service re-design, innovation and professional role development

Approaches to decision making in professional practice

### **Part 3: Teaching and learning methods**

**Teaching and learning methods:** The learning and teaching strategy for this module has been developed to provide students with the opportunity to analyse the current status of Nuclear Medicine reporting services and to consider a number of developmental opportunities that exist within this field for the Nuclear Medicine Practitioner.

Awareness of current protocols and an appreciation of common Nuclear Medicine appearances will enable the Nuclear Medicine practitioner to develop a reporting portfolio that demonstrates clinical proficiency. In line with the requirements of this type of practitioner the module will also consider decision making skills, the development of a robust reporting framework, the importance of clinical audit and current issues associated with legislation/negligence.

To ensure engagement throughout the module students will be required to contribute to discussion boards where specific tasks will be set. These tasks will be constructed to help the students meet with the learning outcomes of the module. Contributions to these tasks will form source material from which students may extract content to add to their portfolio/written assignment. Experience from other modules using this format

indicates the potential for valuable discussion relating to the module content and helps ensure timely engagement as opposed to leaving personal study and revision to the end of the module delivery. The capacity to engage in debate with peers helps to facilitate networking, peer/shared learning and knowledge exchange.

A variety of teaching approaches will be utilised within the module.

Scheduled learning will include up to 30 hours engaged with lectures, seminars, tutorials, discussion board entries and article critique.

Independent learning will include up to 120 hours engaged with essential reading, portfolio preparation and construction, assignment construction and personal reflection on learning.

Additional student centred learning guided by tutorials and discussion will include:

Evaluation and discussion of current working practices

Consideration as to the future role of the Nuclear Medicine Practitioner

Work-Based Learning:

Students will be required to complete approximately twenty five percent of the portfolio cases within “supervised reporting sessions” and time to undertake this should be discussed with the clinical mentor/departmental management prior to the commencement of the module.

Contact Hours:

Contact hours will be achieved through a distance based learning approach which embraces the university’s current vision associated with Technology Enhanced Learning. Such learning will include but not be limited to, asynchronous delivery of lecture material through narrated presentations, notes and other guided reading, VLE discussion board forums with specific objectives, workplace tasks, and other

study tasks deemed appropriate to the development of student knowledge. The students will also be expected to engage in 'dual reporting' sessions within their clinical workplace in order to complete the portfolio requirements of the module.

Formative feedback on allocated study tasks will be provided. Contact with the module leader for discussion of module related issues will be facilitated by e-mail, phone conversations or through additional social media sources.

**Module Learning outcomes:** On successful completion of this module students will achieve the following learning outcomes.

**MO1** Apply relevant theoretical and practical knowledge of Nuclear Medicine to the reporting of images, demonstrating an ability to detect and describe normal and common pathological conditions encountered in routine clinical practice

**MO2** Critically evaluate image quality in relation to potential imaging artefacts

**MO3** Develop the clinical skills of the practitioner thus enabling description, discussion and evaluation of radionuclide imaging procedures

**MO4** Demonstrate a critical understanding of various imaging protocols related to Nuclear Medicine and consider how these might affect overall image quality

**MO5** Critically evaluate the implementation and provision of a Non-medical Nuclear Medicine reporting service

**MO6** Demonstrate a critical understanding of service efficiency and clinical audit mechanisms whilst demonstrating an awareness of current legislation / clinical governance

**MO7** Critically evaluate contemporary practice in nuclear medicine and other related imaging modalities in order to inform decision making processes

**MO8** Critically evaluate the role of the reporting nuclear medicine practitioner within the context of an interprofessional environment

**MO9** Utilise a formulated technical reporting framework, whilst demonstrating appreciation for the moral and ethical aspects of patient care and their subsequent treatment

**Hours to be allocated:** 150

**Contact hours:**

Independent study/self-guided study = 120 hours

Face-to-face learning = 30 hours

Total = 150

**Reading list:** The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/uzysrm-15-m.html) via the following link <https://uwe.rl.talis.com/modules/uzysrm-15-m.html>

**Part 4: Assessment**

**Assessment strategy:** A reporting portfolio and a 1500 word written assignment will be used to assess the achievement of the learning outcomes.

Assessment task 1: Reporting Portfolio:

This practice based assessment requires the production of a clinical portfolio of evidence

This portfolio will include:

A specified number of cases drawn from 4 different areas of clinical practice

A specified number clinical reflections

Details on exact portfolio requirements can be found in the module handbook.

Assessment task 2 – 1500 Written Assignment:

A consideration of skills developed throughout the module and future practice.

**Assessment tasks:**

**Written Assignment (First Sit)**

Description: 1500 word written assignment

Weighting: 30 %

Final assessment: No

Group work: No

Learning outcomes tested: MO4, MO5, MO6, MO7, MO8, MO9

**Portfolio (First Sit)**

Description: Reporting clinical portfolio of evidence

Weighting: 70 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO7, MO8, MO9

**Written Assignment (Resit)**

Description: 1500 word written assignment

Weighting: 30 %

Final assessment: No

Group work: No

Learning outcomes tested: MO4, MO5, MO6, MO7, MO8, MO9

**Portfolio (Resit)**

Description: Reporting clinical portfolio of evidence

Weighting: 70 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO7, MO8, MO9

**Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Nuclear Medicine [Distance] MSc 2022-23



