



Module Specification

Medical Retina Studies

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Part 1: Information

Module title: Medical Retina Studies

Module code: UZYY5B-30-3

Level: Level 6

For implementation from: 2023-24

UWE credit rating: 30

ECTS credit rating: 15

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: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: This optional module provides students with an in-depth knowledge of common medical retina conditions.

Features: Not applicable

Educational aims: See Learning Outcomes.

Outline syllabus: This module includes topics covering screening, referral and treatment pathways, with an emphasis on optical coherence tomography (OCT)

interpretation and diabetic retinopathy grading.

The module will enable students to make accurate and appropriate referral decisions for patients with medical retina conditions and will prepare students for working under supervision in medical retina new patient triage clinics and age-related macular degeneration (AMD) treatment-retreatment clinics once they are qualified.

This module will also introduce and prepare students for working in photography based diabetic retinopathy screening services once they become qualified optometrists.

Part 3: Teaching and learning methods

Teaching and learning methods: The module will typically be delivered primarily via online lectures, practical classes, face-to-face lectures and a placement period at a medical retina or specialist clinic.

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

MO1 Demonstrate a detailed knowledge of the anatomy, physiology and pathophysiology of the retina, with emphasis on the macula

MO2 Demonstrate an understanding of the risk factors and differential diagnosis of disorders of acute and chronic retinal and macular pathology, and be able to detect and classify diabetic retinal disease

MO3 Conduct appropriate tests and make appropriate referrals (with an awareness of current national and local referral guidelines), clearly stating the level of urgency, and understand the various treatments of medical retinal disorders including the patient's response to treatment

MO4 Interpret OCT images and fundus photographs for AMD and diabetic retinopathy, with appropriate patient management

MO5 Evaluate the use of fluorescein, ICG angiography and autofluorescence in medical retina service delivery

MO6 Develop their understanding of diabetes and appraise the principles, processes, protocols, potential benefits and limitations of a national diabetic retinopathy screening programmes

Hours to be allocated: 300

Contact hours:

Independent study/self-guided study = 228 hours

Placement = 18.75 hours

Face-to-face learning = 72 hours

Total = 318.75

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://rl.talis.com/3/uwe/lists/E3E83608-BC51-C582-71CF-D3068F671CB6.html?lang=en) via the following link <https://rl.talis.com/3/uwe/lists/E3E83608-BC51-C582-71CF-D3068F671CB6.html?lang=en>

Part 4: Assessment

Assessment strategy: Assessment Task 1 will be a Portfolio of Clinical Skills assessed via OSCEs where students will be evaluated in their ability to detect, classify and make appropriate management decisions for a variety of patients with retinal or macular pathology.

Rationale: This component will assess the practical elements of the module and ensure students are able to perform appropriate techniques and diagnose/ manage patients effectively.

Assessment Task 2 will be a 1.5 hour exam of a range of exam question types, to include MCQs and SAQs.

Rationale: This will assess all theoretical aspects of the module and allow students to demonstrate their ability to use their knowledge laterally. This will allow students to be assessed efficiently on factual knowledge as well as exploring more depth and

application through longer answers.

Formative assessment will include quizzes and formative feedback throughout the module run and its activities.

Assessment tasks:

Practical Skills Assessment (First Sit)

Description: Portfolio of Clinical Skills

Weighting: 60 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO2, MO4, MO5

Examination (First Sit)

Description: Exam (1.5 hours)

Weighting: 40 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

Practical Skills Assessment (Resit)

Description: Portfolio of clinical skills

Weighting: 60 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO2, MO4, MO5

Examination (Resit)

Description: Exam (1.5 hours)

Weighting: 40 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Optometry [Sep][FT][Glenside][3yrs] BSc (Hons) 2021-22