

Unit 77: Imaging the Posterior Segment of the Eye

Level:	4
Unit type:	Optional (Ophthalmology)
Credit value:	6
Guided learning hours:	48

Unit summary

The aim of this unit is to ensure that the learner applies knowledge, understanding and skills to perform imaging of the eye. The learner will also develop their skills with respect to patient-centred compassionate care. Learners will be expected to build their patient-centred professional practice to enable them to undertake this skill safely in the workplace.

Unit assessment requirements

There are no specific assessment requirements for this unit. Please refer to the assessment strategy in *Annexe B*.

Additional information

AC1.2 includes age-related macular degeneration, glaucoma and diabetic retinopathy.

AC3.1 includes:

- communicating effectively with the individual, parent or carers
- confirming individual's identification, identifying and responding to any special needs
- explaining own role and nature and purpose of the procedure at a level appropriate to the individual/carer's understanding
- ensuring individual has the opportunity to explain any problems or difficulties
- gaining informed consent
- identifying any cautions or contraindications for the procedure
- maintaining confidentiality of individual.

AC3.2 includes:

- demonstrating correct method for instillation
- monitoring for effects.

AC3.4 includes:

- ensuring equipment is calibrated and maintained according to manufacturer instructions and workplace protocol; demonstrating, as required, procedures for calibration and maintenance of equipment
- ensuring equipment is working correctly and safely
- ensuring appropriate environmental conditions for obtaining results; appropriate room illumination, but could also include issues such as maintaining a comfortable room temperature, auditory privacy
- identifying hazards and risks and take appropriate action; hazards/risks of trailing leads and cables, inappropriate seating of individual.

AC3.6 includes demonstrating effective infection control practices according to local protocols:

- ensuring effective hand decontamination before each individual contact
- ensuring effective decontamination of equipment and devices
- ensuring the safe disposal of clinical waste
- maintaining a clean and tidy clinical environment.

AC 3.8 includes:

- incorrect use of equipment (e.g., not setting equipment for the individual's refractive error)
- individual conditions that can cause poor-quality images (e.g., media opacities, small pupil, individuals' physical or mental disabilities).

Learning outcomes and assessment criteria

To pass this unit, learners need to demonstrate that they can meet all the learning outcomes for the unit. The assessment criteria outline the requirements that the learner is expected to meet **in own area of work and in accordance with Standard Operating Procedures (SOPs)** to achieve the learning outcomes and the unit.

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
1	Understand the normal appearance of ocular structures and how ocular pathology can be identified and documented	1.1	Explain how the different structures of the posterior segment of the eye can be imaged with different imaging modalities and techniques			
		1.2	Describe the structures of the posterior segment of the eye that are imaged and measured by OCT for the diagnosis and monitoring of ocular diseases			
		1.3	Explain the process of digitising, processing and storing images			
2	Understand the different equipment that can be used for imaging the eye	2.1	Explain the components and function of a fundus camera, and the applications and limitations when obtaining images of the fundus			
		2.2	Explain the basic components of optical coherence tomography (OCT), and the applications and limitations when obtaining images of the eye			

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
3	Be able to perform imaging of the eye	3.1	Establish professional relationships with patients			
		3.2	Instil dilating drops as required for procedure			
		3.3	Provide clear and concise instructions to the patient			
		3.4	Adhere to safe working practices in own area of work			
		3.5	Monitor the patient throughout to obtain required fixation and concentration throughout testing			
		3.6	Control infection risks in accordance with workplace protocols			
		3.7	Obtain images of suitable clarity and type and in sufficient quantity to respond to clinical question.			
		3.8	Minimise artefacts and poor-quality images due to ocular conditions, operator error and patient compliance			

Learning outcomes		Assessment criteria		Evidence type	Portfolio reference	Date
4	Record and report test results	4.1	Document results in patient record, noting patient responses and any difficulties with compliance			
		4.2	Record information in line with national and local policy and protocol			
		4.3	Evaluate results and report any issues of concern to the appropriate person			

Learner name: _____

Date: _____

Learner signature: _____

Date: _____

Assessor signature: _____

Date: _____

Internal verifier signature: _____

Date: _____

(if sampled)