

Developing Clinical Skills

Programme Summary

Contact Applanation Tonometry

This section provides instruction in the use of contact applanation tonometers, including:

- The advantages and disadvantages of the slit lamp mounted and hand held instruments
- The choice and application of a suitable local anaesthetic
- The practical skills necessary to obtain meaningful results, including:
 - coping with droopy upper eyelids
 - the correct centering of the cone
 - recognition and management of a whole-cone tear meniscus
 - the effects of inadequate fluorescein instillation
- The correct alignment of images using in-line video capture
- Instrument calibration.

Fundus Viewing Lenses

This section provides instruction in the use of non-contact type fundus viewing lenses, including:

- The advantages and disadvantages of the various lenses commercially available
- The choice and application of a suitable mydriatic
- The practical skills necessary to obtain meaningful results, including:
 - the alignment of the slit lamp illumination system
 - the slit height used
- The nature of the image seen using in-line video capture
- The recording of abnormal findings.

Gonioscopy

This section provides instruction in the use of contact lenses for examination of the anterior chamber angle and their role in fundus viewing:

- The advantages and disadvantages of the non-contact and contact lenses for fundus viewing
- The choice and application of a suitable local anaesthetic and mydriatic
- The choice and use of an interface solution
- The practical skills necessary to obtain meaningful results, including:
 - the application of the lens to the cornea
 - the alignment of the slit lamp illumination system
 - the slit height and orientation used
- The nature of the image seen using in-line video capture
- A guide to the structures of the anterior chamber angle
- The recording of abnormal findings.