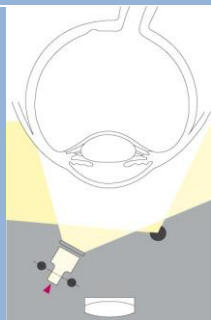
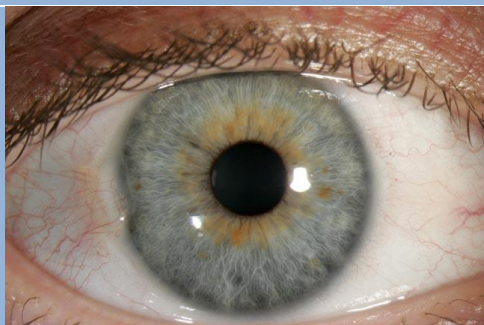
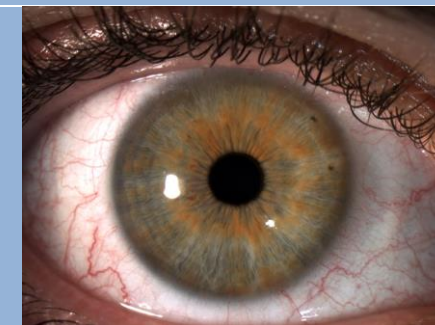


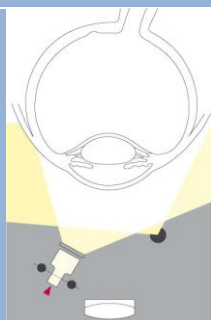
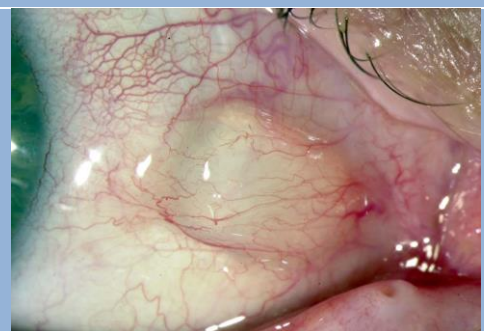
Diffuse Illumination



Magnification	10 x or 16 x
Slit Illumination Level	Open @ 45 degrees, Diffused 4
Background Level	2
Aperture	6
EyeSuite Exposure	Auto-mode



Diffuse - Conjunctiva



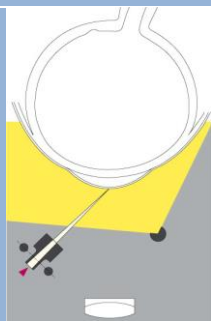
Magnification	10x or 16x
Slit Illumination Level	Open @45 degrees, Diffused, 3
Background Level	3
Aperture	6
EyeSuite Exposure	Auto-mode



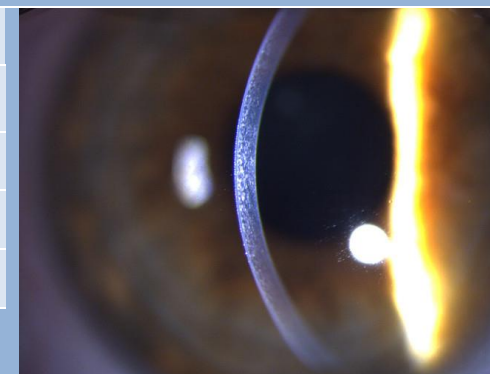
Tips & Technique

*Low magnification – overview images *Open slit fully – slit width can also be used to control exposure * Beware of unwanted reflection artefacts

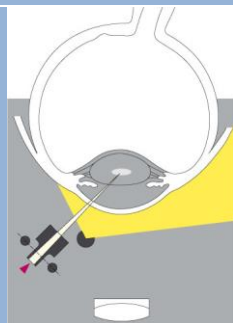
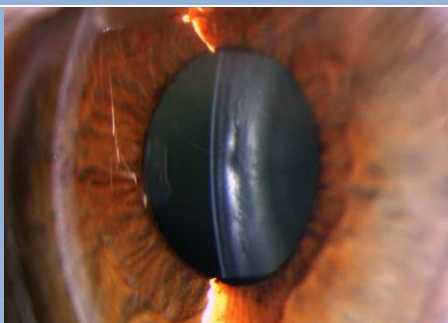
Narrow Slit – Cornea



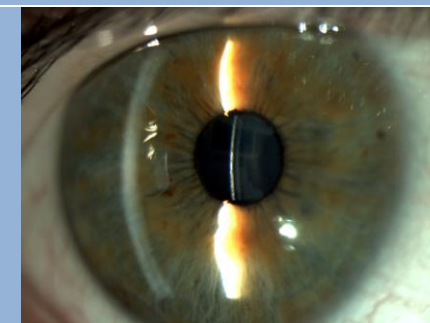
Magnification	16x or 25x
Slit Illumination Level	< 0.2mm wide >60 degrees from mic 10
Background Level	1
Aperture	3
EyeSuite Exposure	Auto-mode



Narrow Slit - Lens



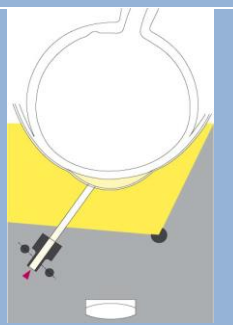
Magnification	16x or 25x
Slit Illumination Level	<0.2mm wide >60 degrees from mic 10
Background Level	1
Aperture	4
EyeSuite Exposure	Auto-mode



Tips & Technique

*Slit width must be less than 0.2mm to produce optical section *Maximise angle between illumination and microscope *consider the background *beware of specular reflection

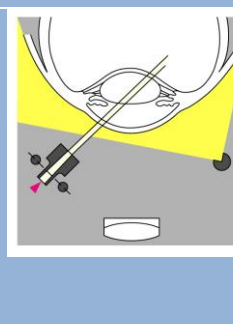
Wide Slit – Cornea



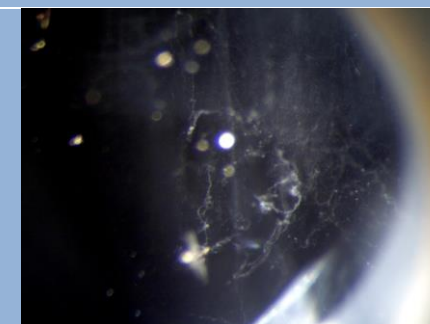
Magnification	16x or 25x
Slit Illumination Level	1-2mm wide, >60 degrees from mic 10
Background Level	1
Aperture	4
EyeSuite Exposure	Auto-mode



Wide Slit - Lens



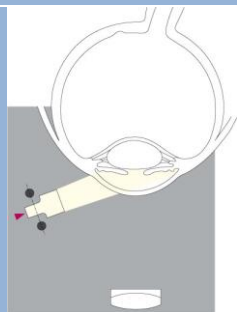
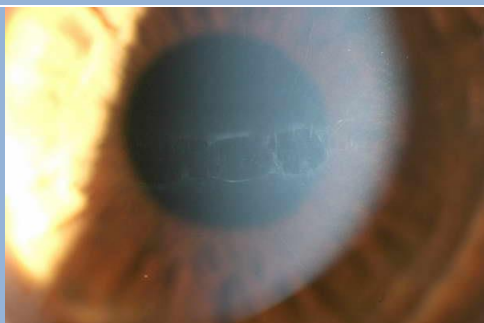
Magnification	16x or 25x
Slit Illumination Level	2-4mm wide, >60 degrees from mic 10
Background Level	Off
Aperture	5
EyeSuite Exposure	Auto-mode



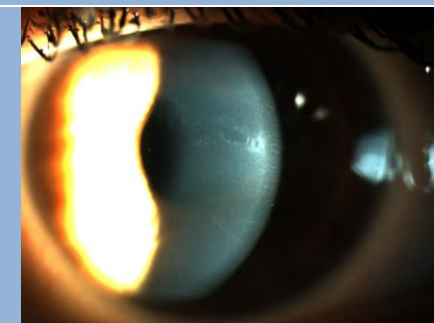
Tips & Technique

*Maximise angle of illumination * beware of specular reflections *reduce aperture to improve depth of field *experiment with position of background illumination

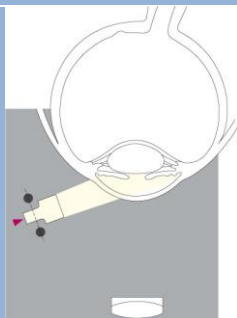
Tangential – Cornea



Magnification	16x or 25x
Slit Illumination Level	>4mm wide, >60 degrees from mic 10
Background	Off
Aperture	6
EyeSuite Exposure	Auto-mode



Tangential – Iris



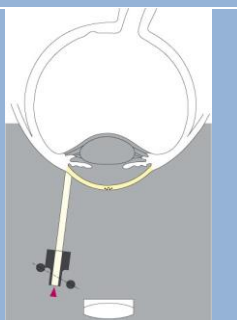
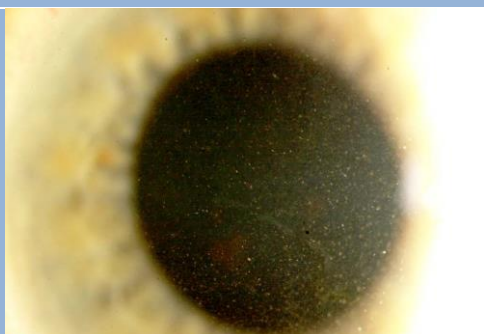
Magnification	16x or 25x
Slit Illumination Level	Wide Open, >60 degrees from mic 10
Background	Off
Aperture	6
EyeSuite Exposure	Auto-mode



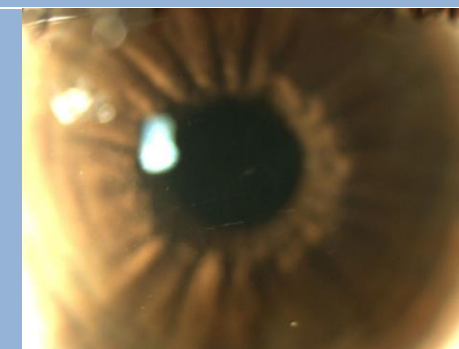
Tips & Technique

*Maximise angle to produce cross lighting *defocus slit can help with iris images * small aperture increases depth of field *

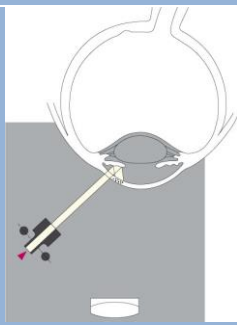
Sclerotic Scatter



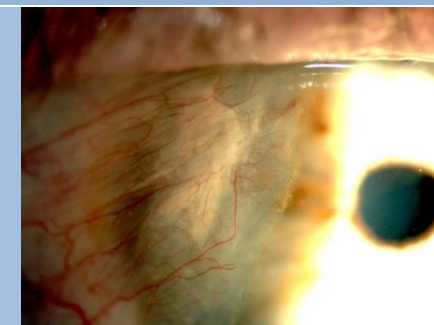
Magnification	16x or 25x
Slit Illumination Level	2 – 3mm defocused on limbus, 10
Background	Off
Aperture	4
EyeSuite Exposure	Auto-mode



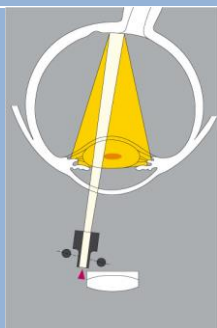
Indirect - Cornea



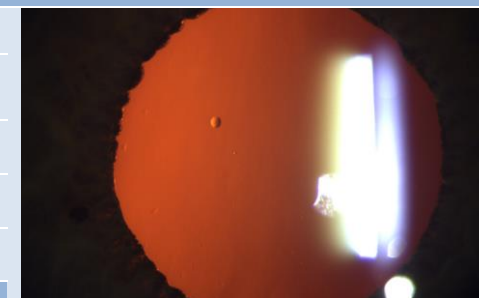
Magnification	16x or 25x
Slit Illumination	1-3mm wide, Decentred,
Level	10
Background	Off
Aperture	6
EyeSuite Exposure	Auto-mode



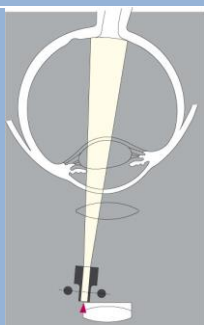
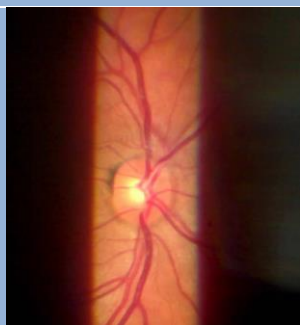
Retro - Lens



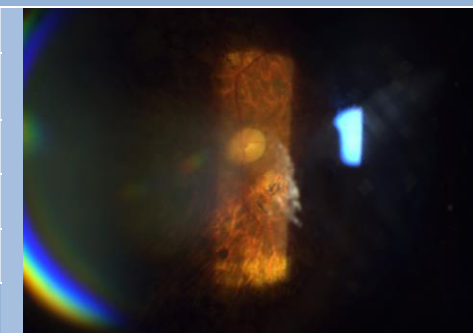
Magnification	16x or 25x
Slit Illumination	1-2mm wide, < 5 degrees,
Level	10
Background	Off
Aperture	5
EyeSuite Exposure	Auto-mode



Fundus



Magnification	10x or 16x
Slit Illumination	2-4mm wide
Level	10
Background	Off
Aperture	6
EyeSuite Exposure	Auto-mode



These settings are provided as a guide only and changes to slit illumination level and exposure will be required in most cases to produce the optimum image
 All images on the RIGHT of the page were captured with BQ 900 and IM 900 using EyeCap.
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