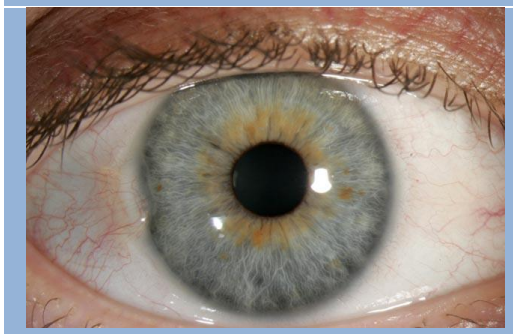
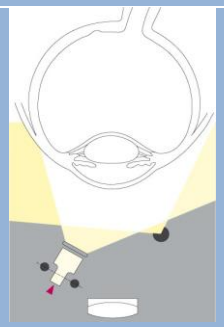
Image Exposure Guide **EyeSuite IM 900** v2.0

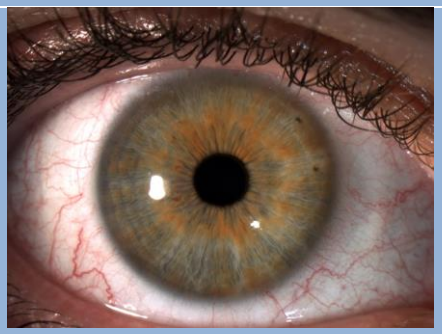
HAAG-STREIT DIAGNOSTICS

Diffuse Illumination

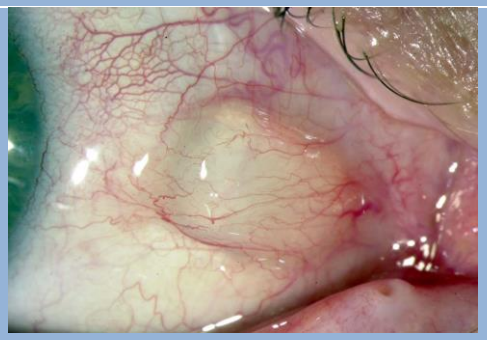


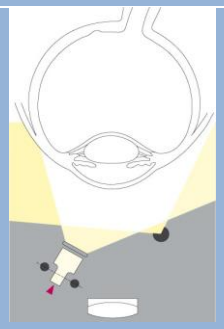


Magnification	10 x or 16 x
Slit Illumination Level	Open @ 45 degrees, Diffused 4
Background Level	2
Aperture	6
EyeSuite Exposure	Auto-mode

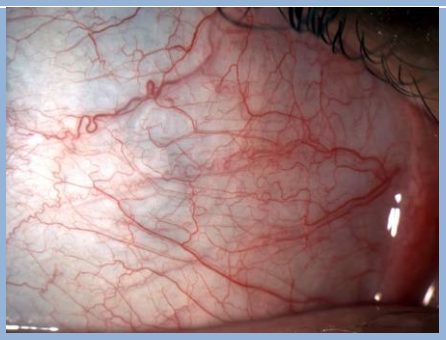


Diffuse - Conjunctiva





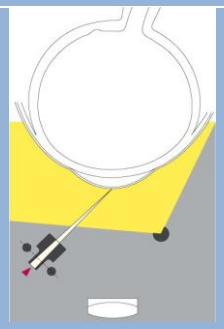
Magnification	10x or 16x
Slit Illumination Level	Open @45 degrees, Diffused, 3
Background Level	3
Aperture	6
EyeSuite Exposure	Auto-mode



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

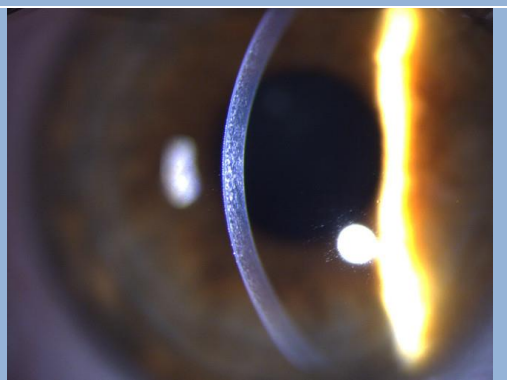
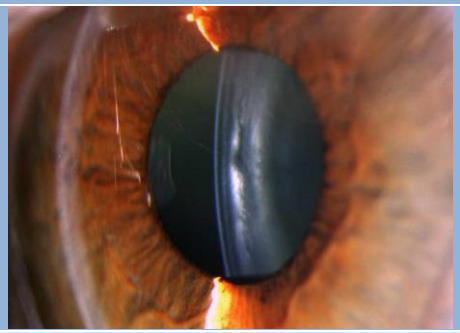
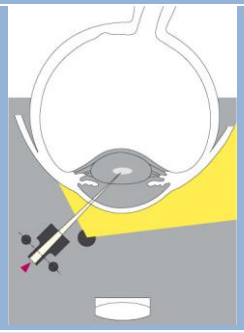


Image Exposure Guide **EyeSuite IM 900** v2.0

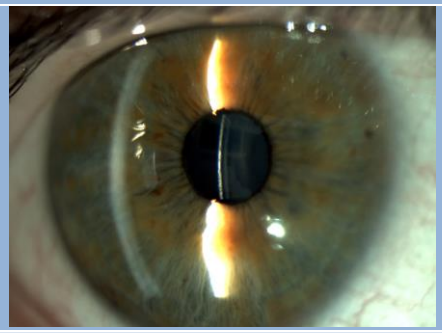
HAAG-STREIT DIAGNOSTICS

Narrow Slit - Lens





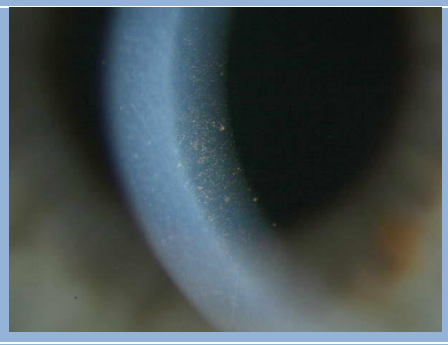
Magnification	16x or 25x
Slit Illumination	<0.2mm wide >60 degrees from mic
Level	10
Background Level	1
Aperture	4
EyeSuite Exposure	Auto-mode

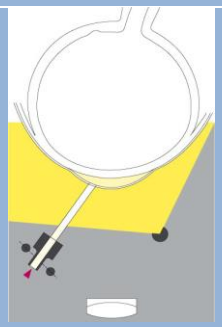


Tips & Technique

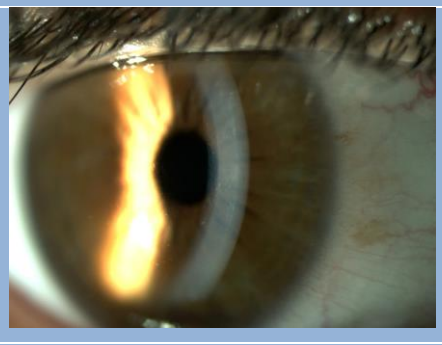
*Slit width must be less than 0.2mm to produce optical section *Maximise angle between illumination and microscope *consider the background *beware of specular reflection

Wide Slit – Cornea

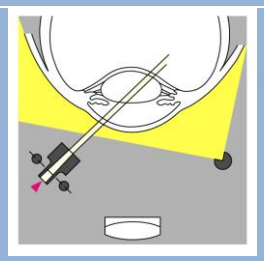




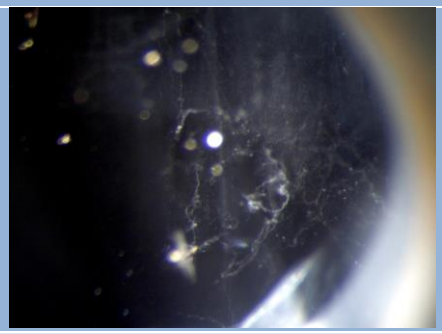
Magnification	16x or 25x
Slit Illumination	1-2mm wide, >60 degrees from mic
Level	10
Background Level	1
Aperture	4
EyeSuite Exposure	Auto-mode



Wide Slit - Lens



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



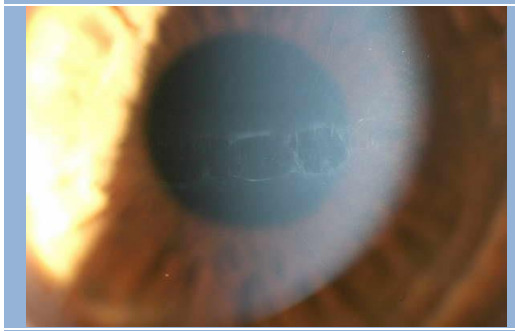
Tips & Technique

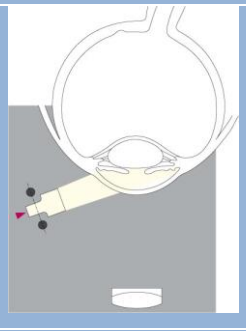
*Maximise angle of illumination * beware of specular reflections *reduce aperture to improve depth of field *experiment with position of background illumination

Image Exposure Guide **EyeSuite IM 900** v2.0

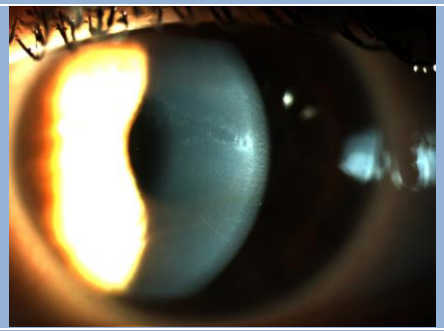
HAAG-STREIT DIAGNOSTICS

Tangential – Cornea

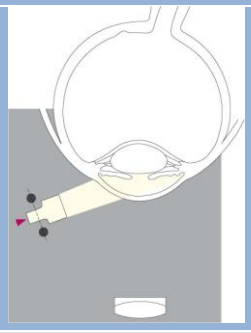




Magnification	16x or 25x
Slit Illumination	>4mm wide, >60 degrees from mic
Level	10
Background	Off
Aperture	6
EyeSuite Exposure	Auto-mode



Tangential – Iris

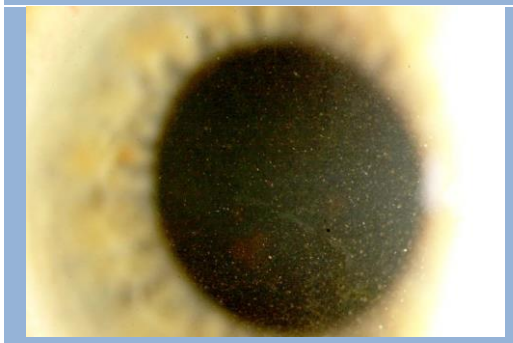


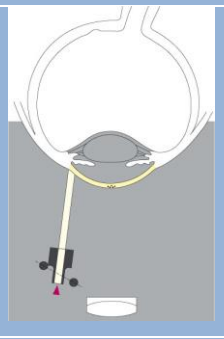
Magnification	16x or 25x
Slit Illumination	Wide Open, >60 degrees from mic
Level	10
Background	Off
Aperture	6
EyeSuite Exposure	Auto-mode

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	2 – 3mm defocused on limbus,
Level	10
Background	Off
Aperture	4
EyeSuite Exposure	Auto-mode

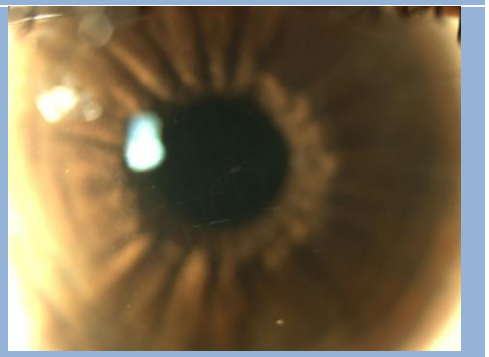
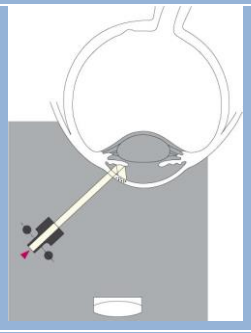


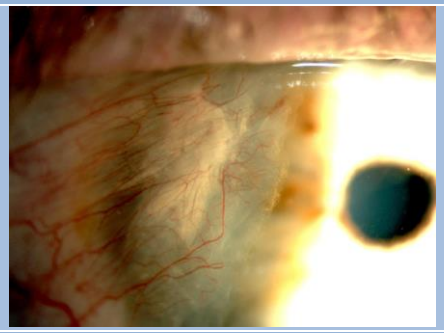
Image Exposure Guide **EyeSuite IM 900** v2.0

HAAG-STREIT DIAGNOSTICS

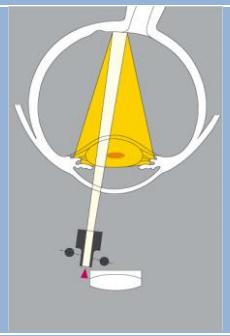
Indirect - Cornea



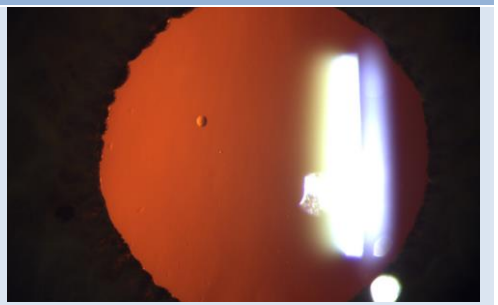
Magnification	16x or 25x
Slit Illumination	1-3mm wide, Decentred,
Level	10
Background	Off
Aperture	6
EyeSuite Exposure	Auto-mode



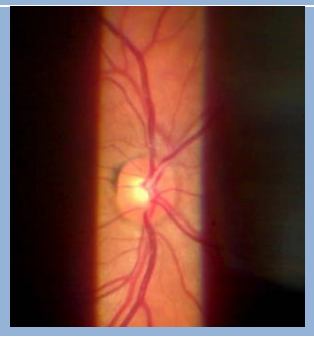
Retro - Lens

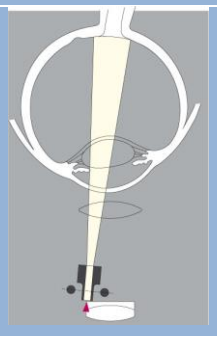


Magnification	16x or 25x
Slit Illumination	1-2mm wide, < 5 degrees,
Level	10
Background	Off
Aperture	5
EyeSuite Exposure	Auto-mode

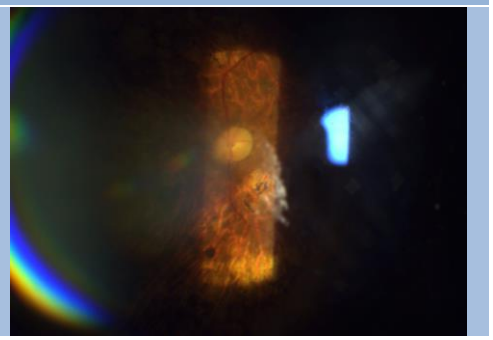


Fundus





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



These setting 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.
Images on the LEFT are for illustrative purposes only