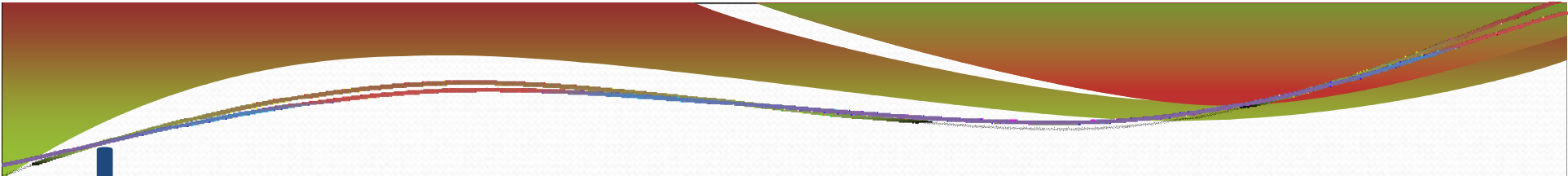


Eyes and Lasers





Lasers

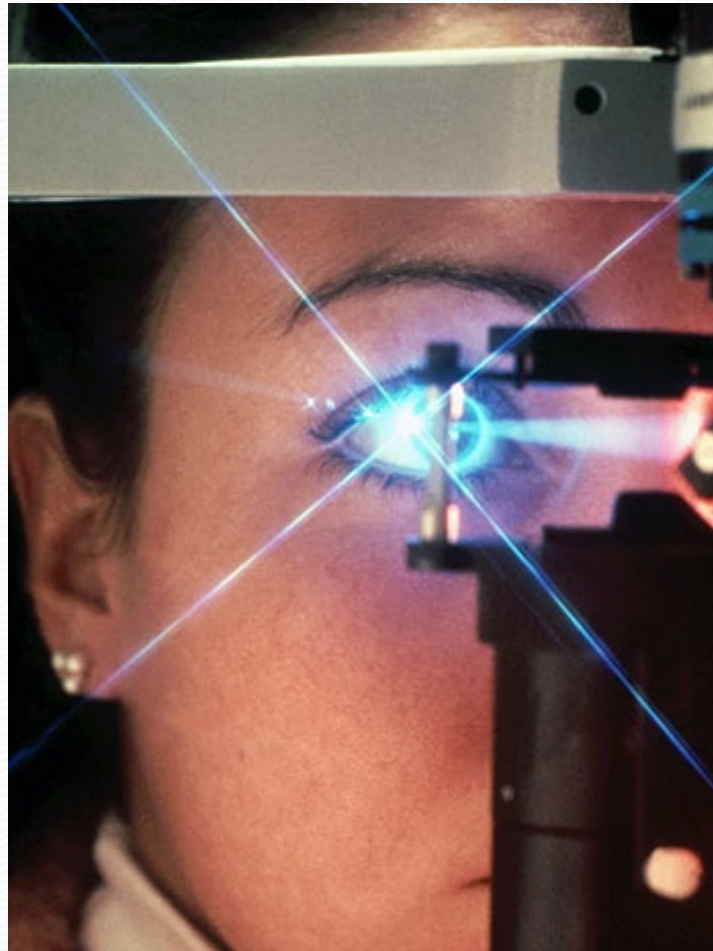
- | | | |
|---------------|--------|-------------------|
| ● Argon | 532nm | Thermal |
| ● ND- YAG | 1064nm | Q-switch |
| ● Excimer | UV | Ablation |
| ● Femtosecond | IR | Precision
cuts |
| ● Biometry | | Measurement |

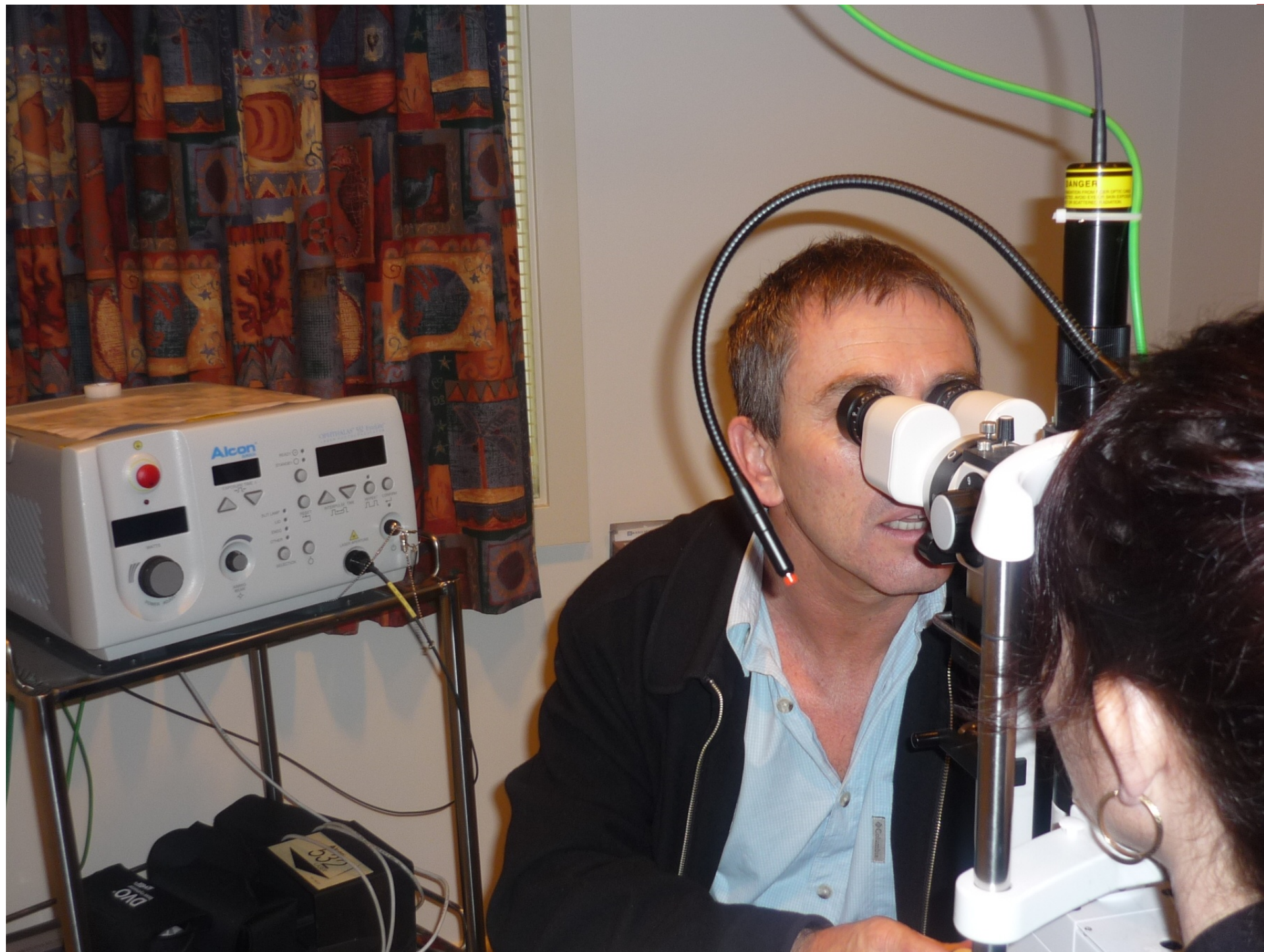
History

- Xenon Arc - Incandescent light
- Argon laser – First use of a laser in humans - 1961
- Diabetic Retinopathy / Retina Detachment

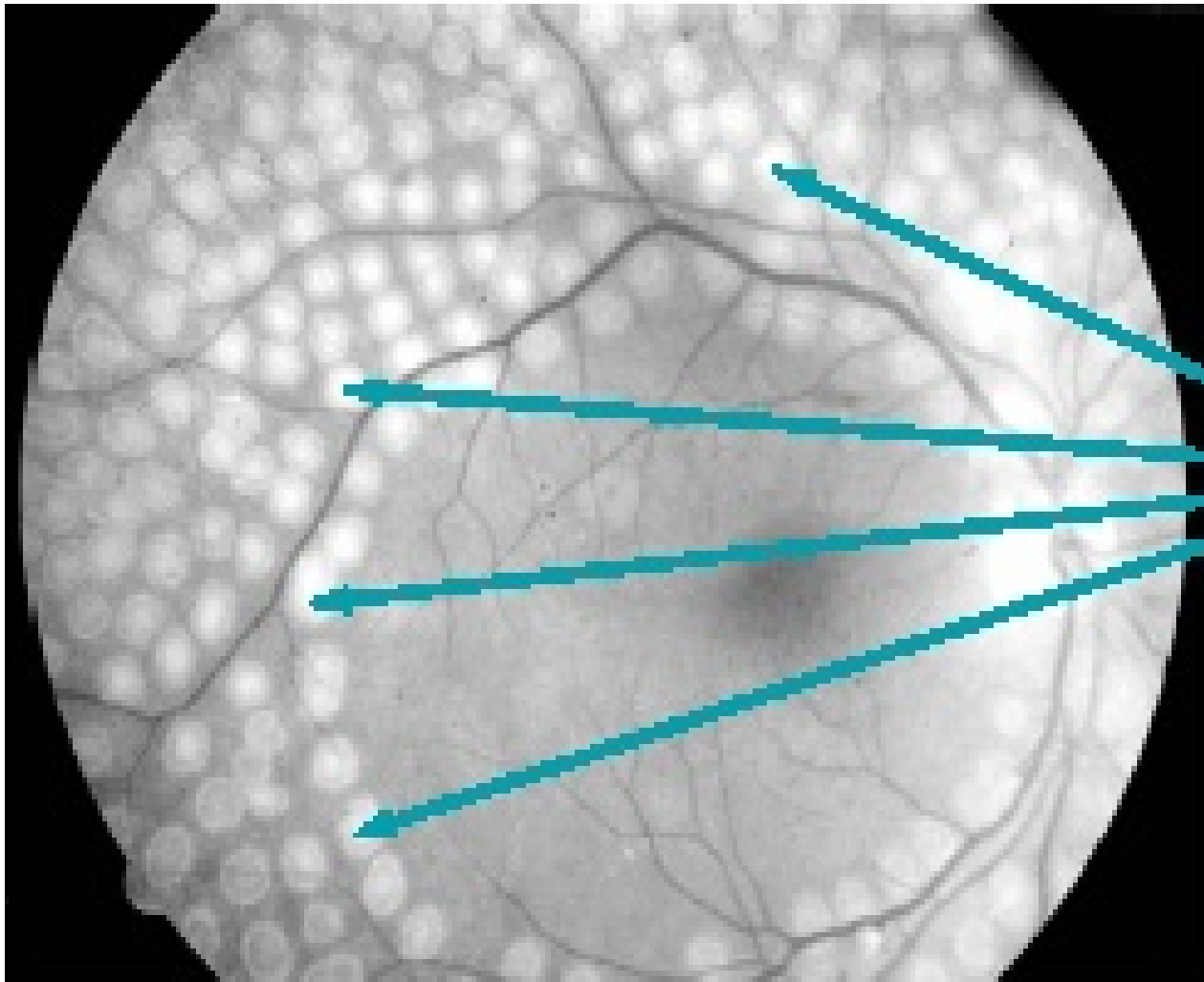
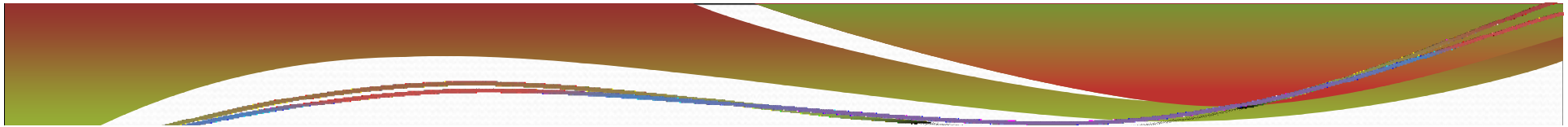


Argon Laser





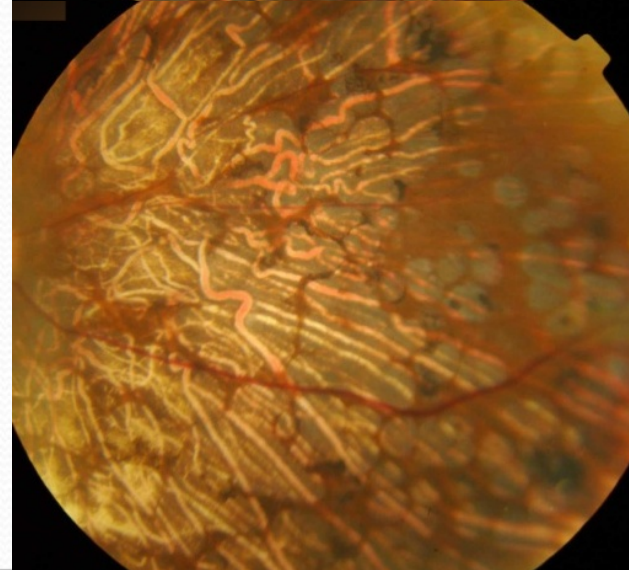
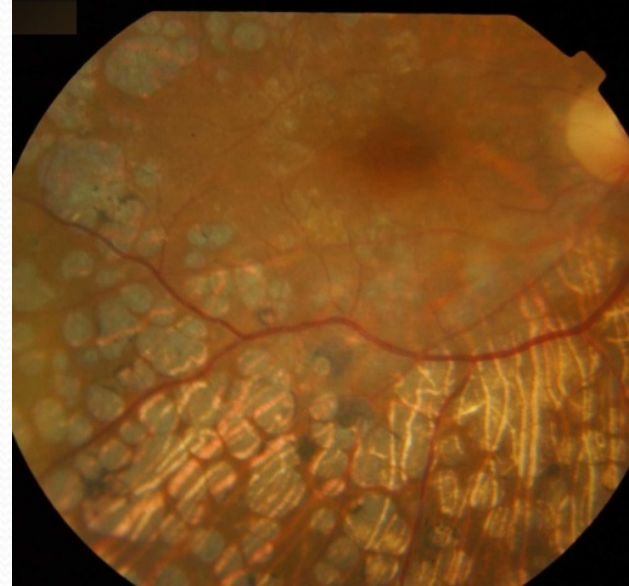
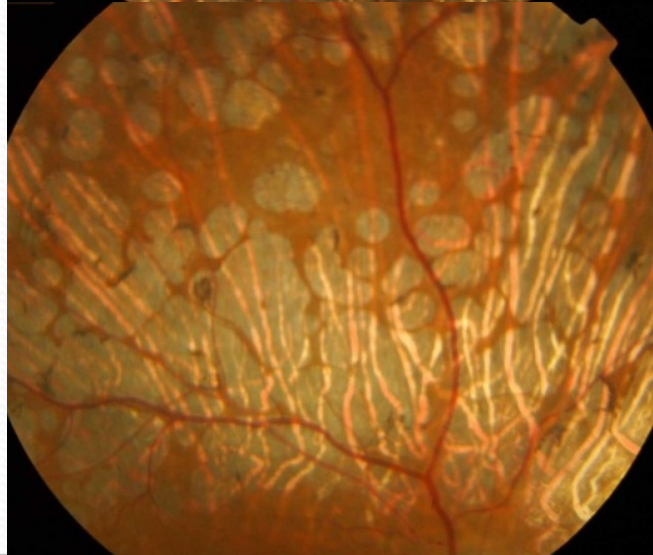
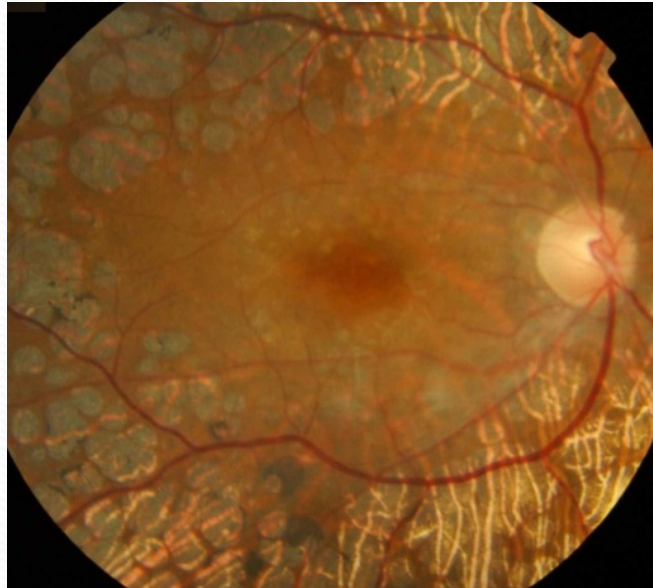




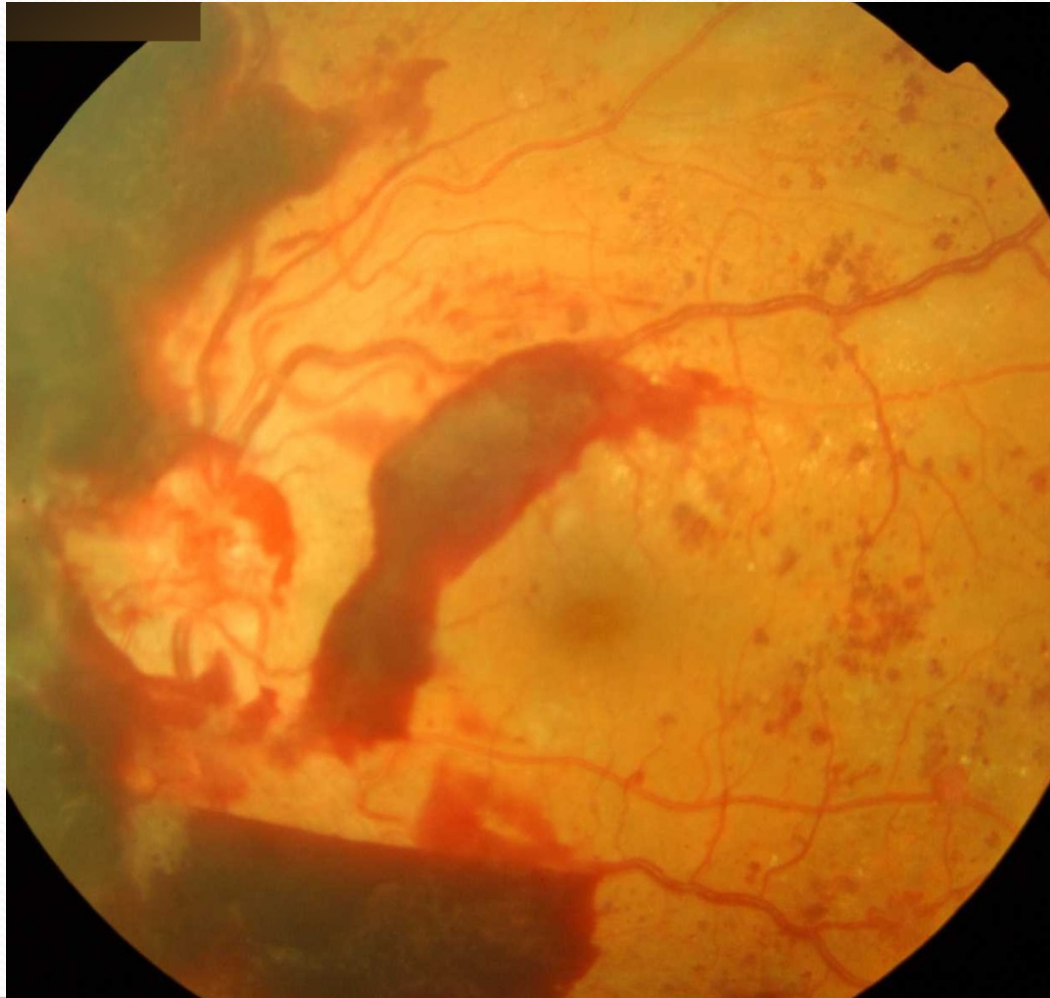
Laser burns

Scatter laser treatment

Laser for Proliferative DR



Proliferative DR







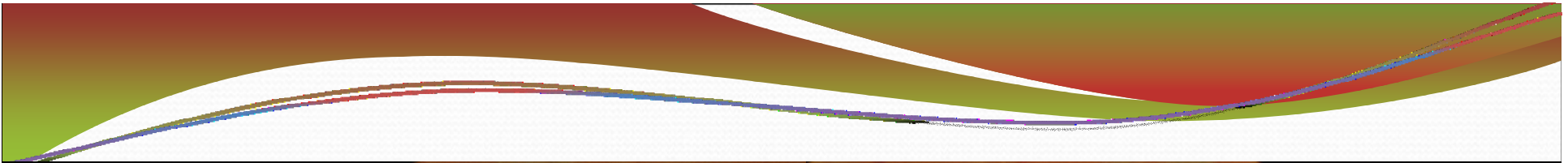
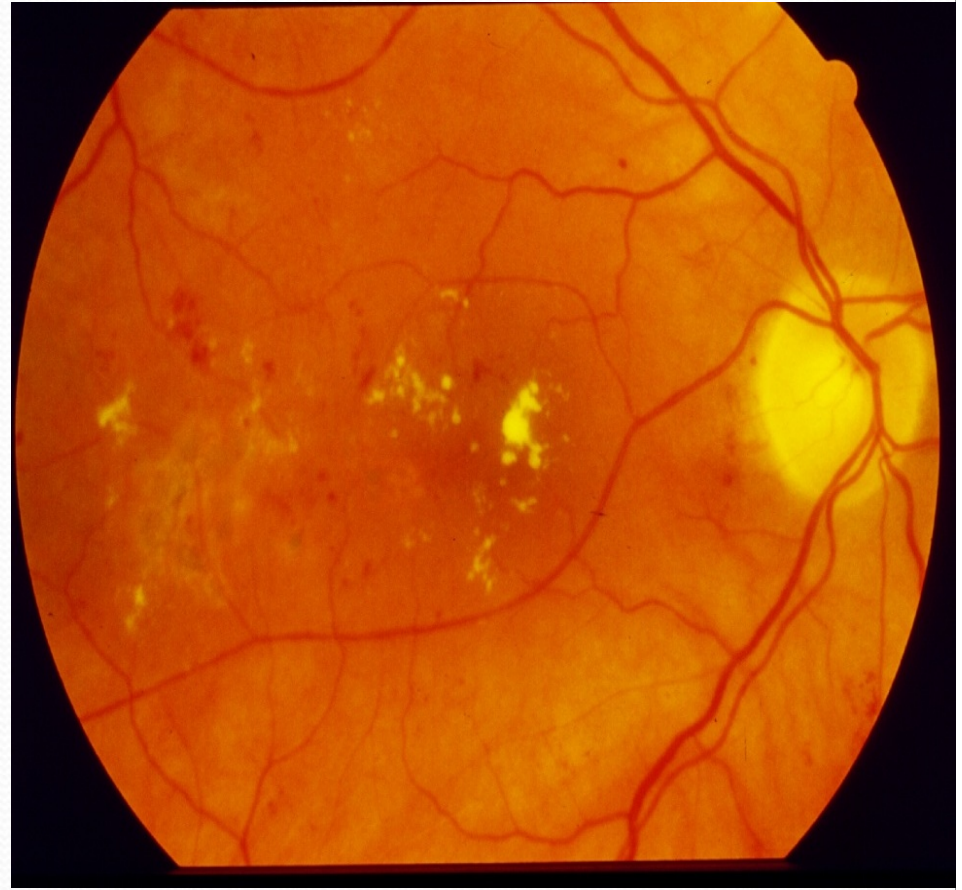
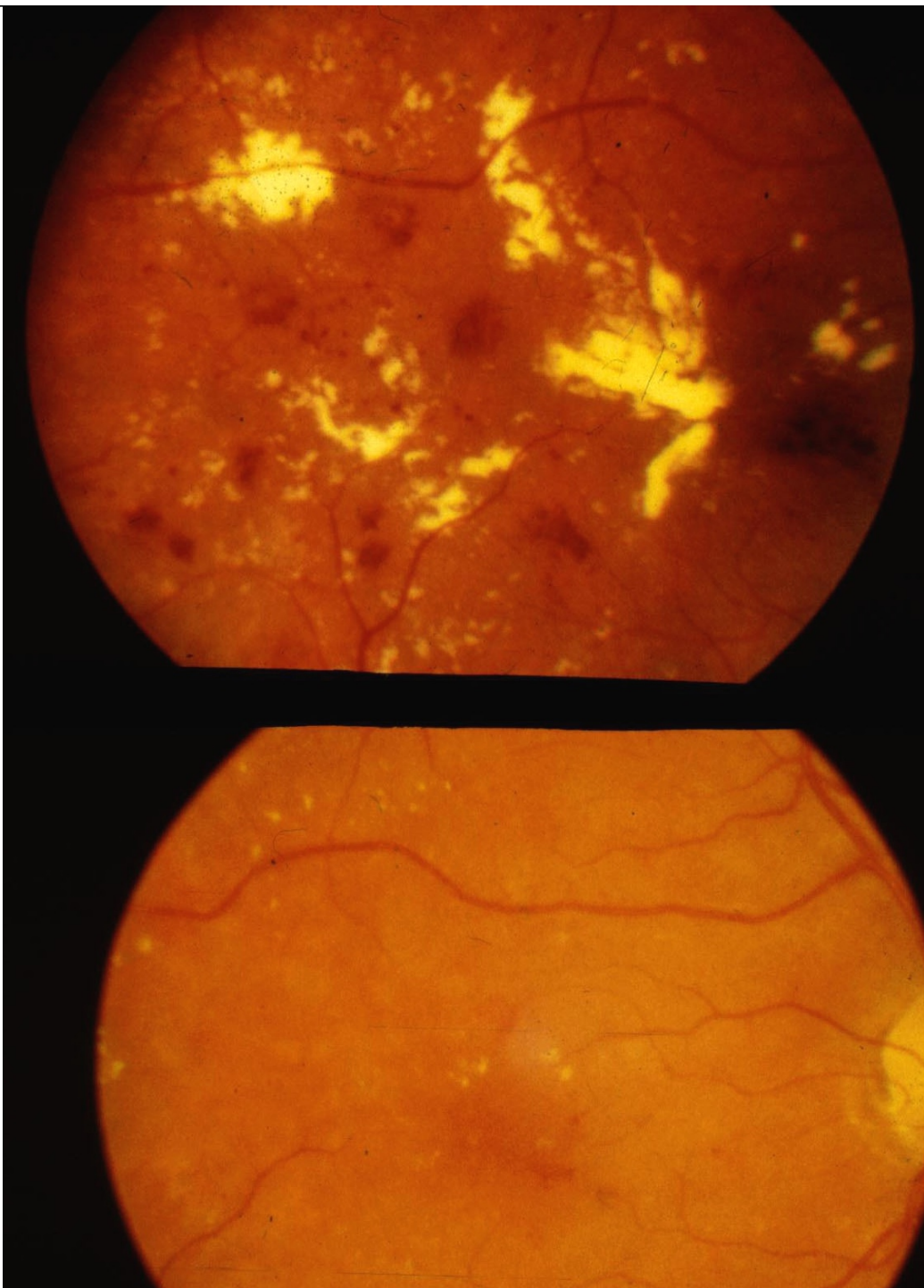


Figure 1. Fundus photographs of the retina. The left image shows the optic disc and the right image shows the peripheral retina. The two images are separated by a vertical white line.



Maculopathy

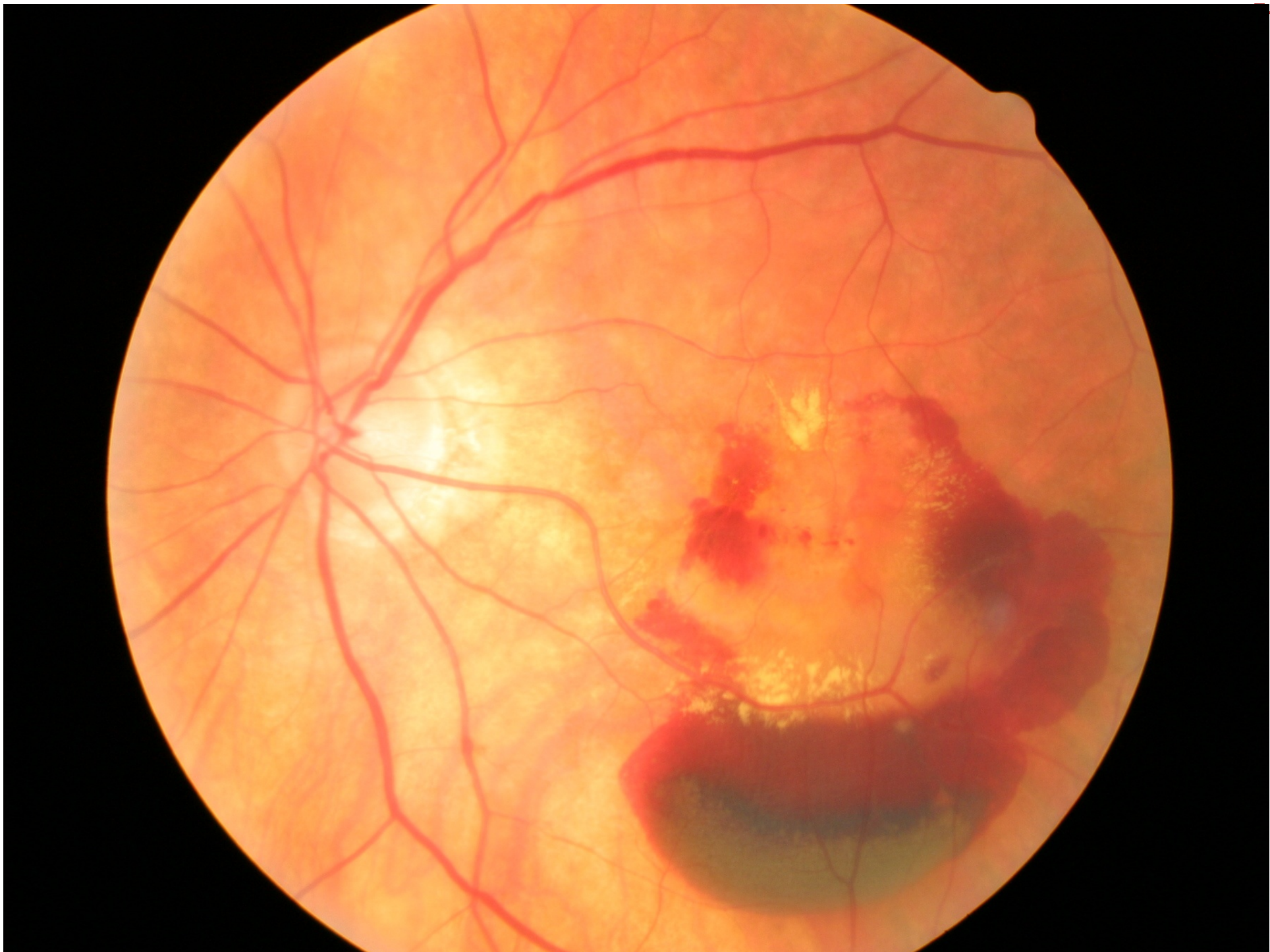






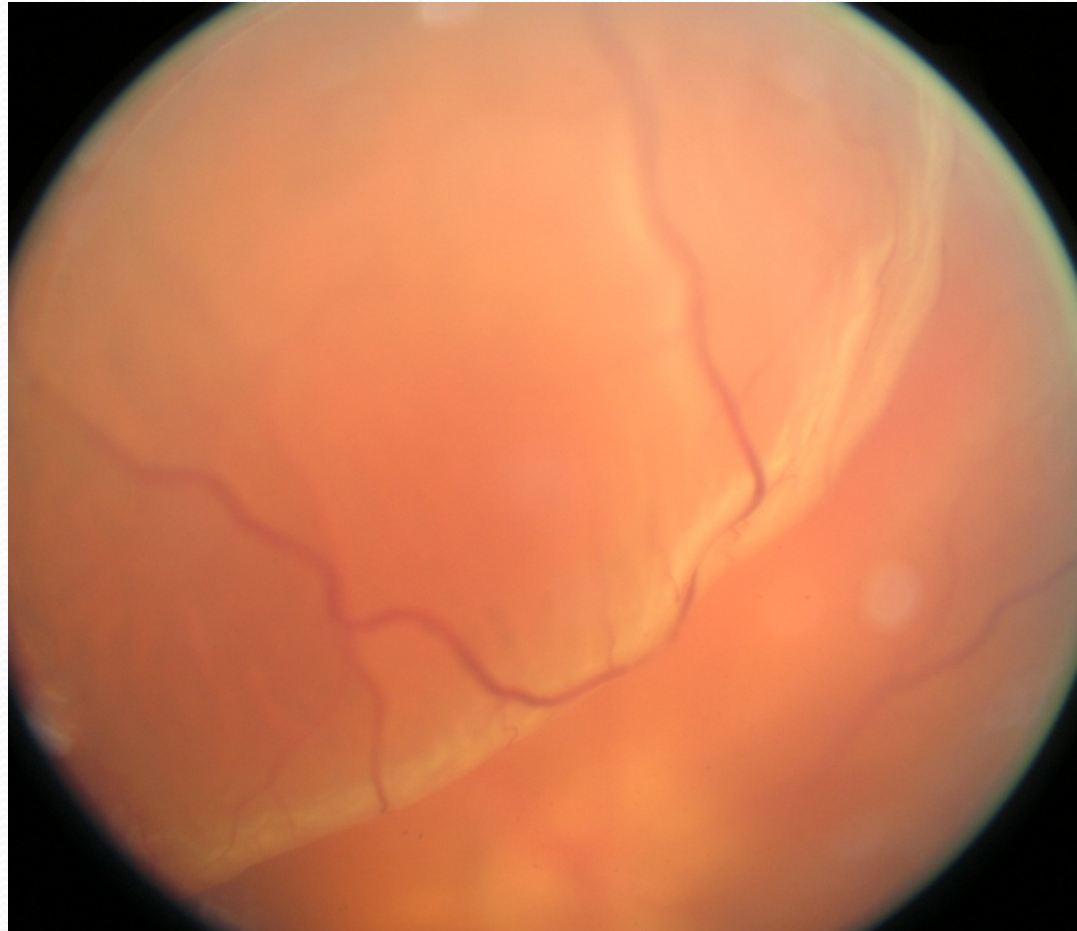
Macula Degeneration

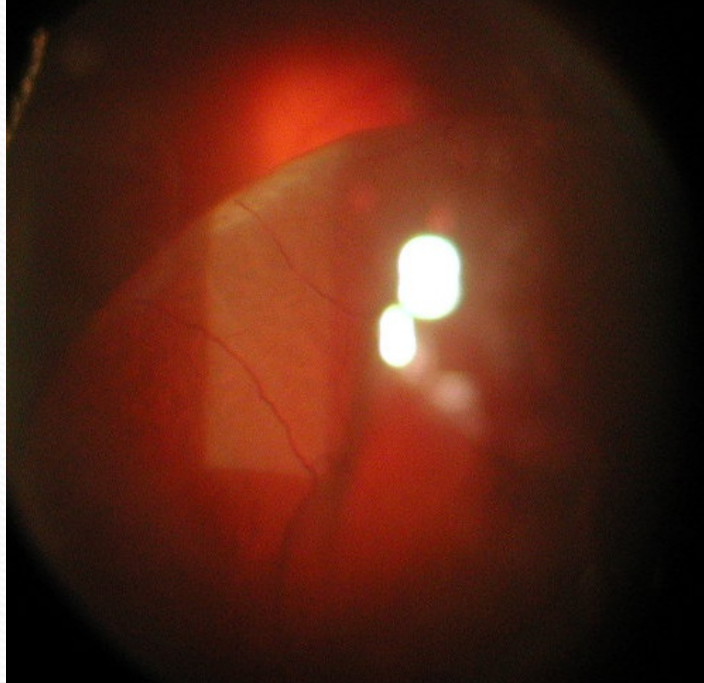
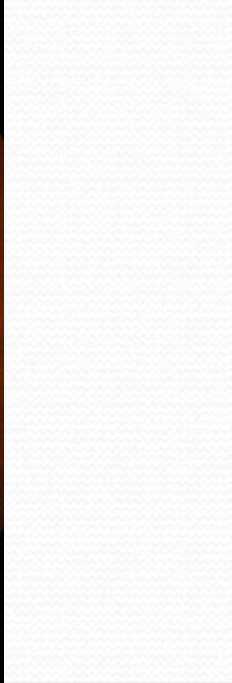
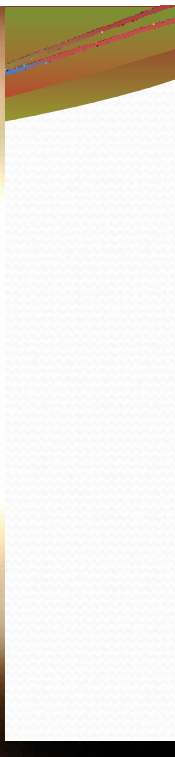
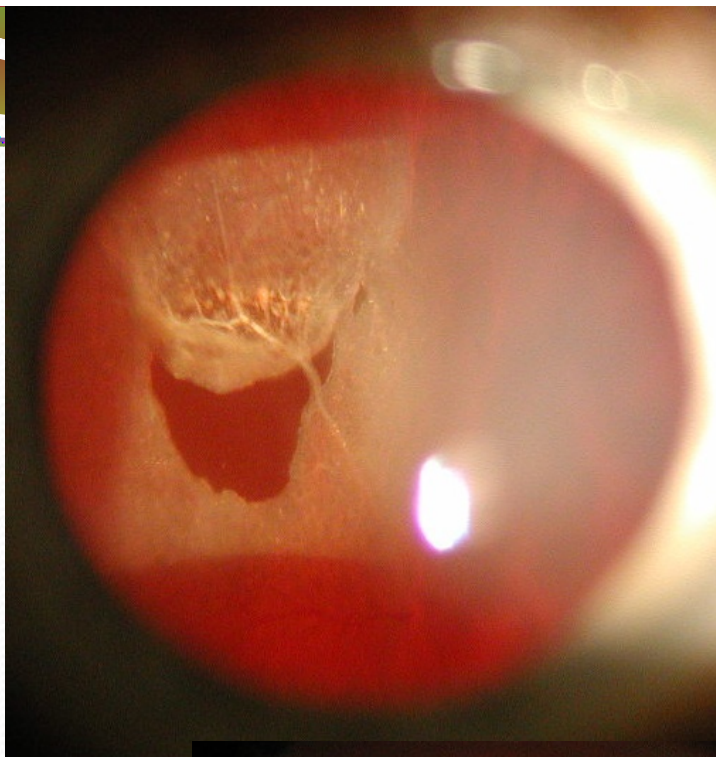
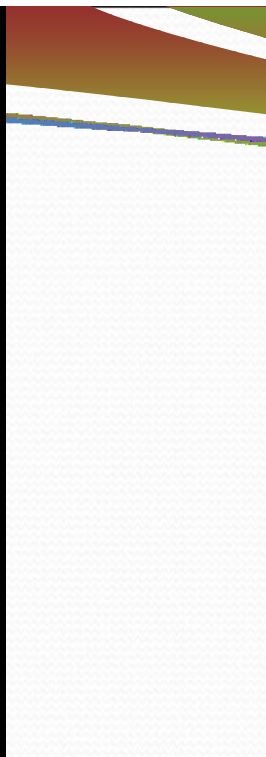
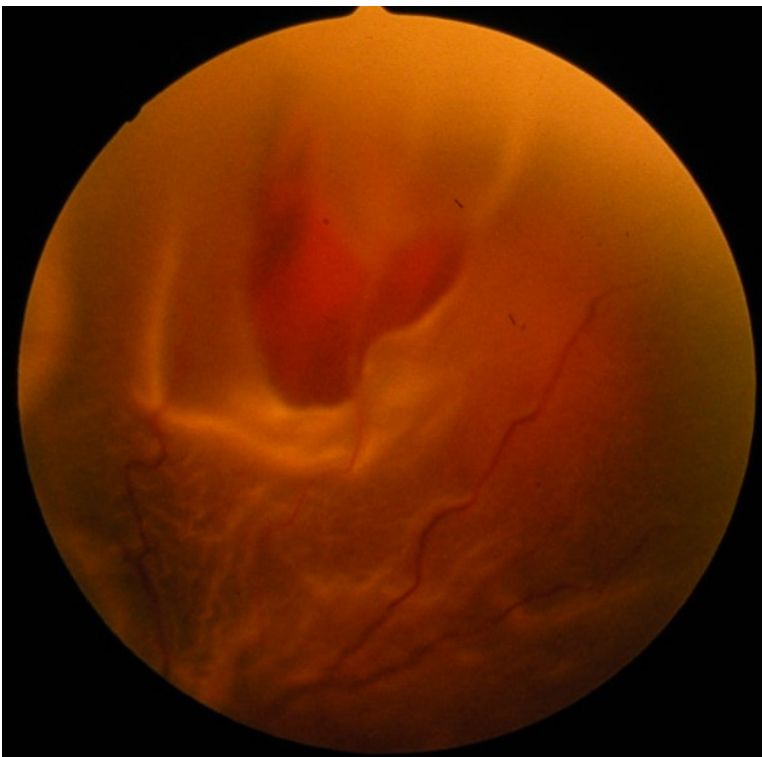




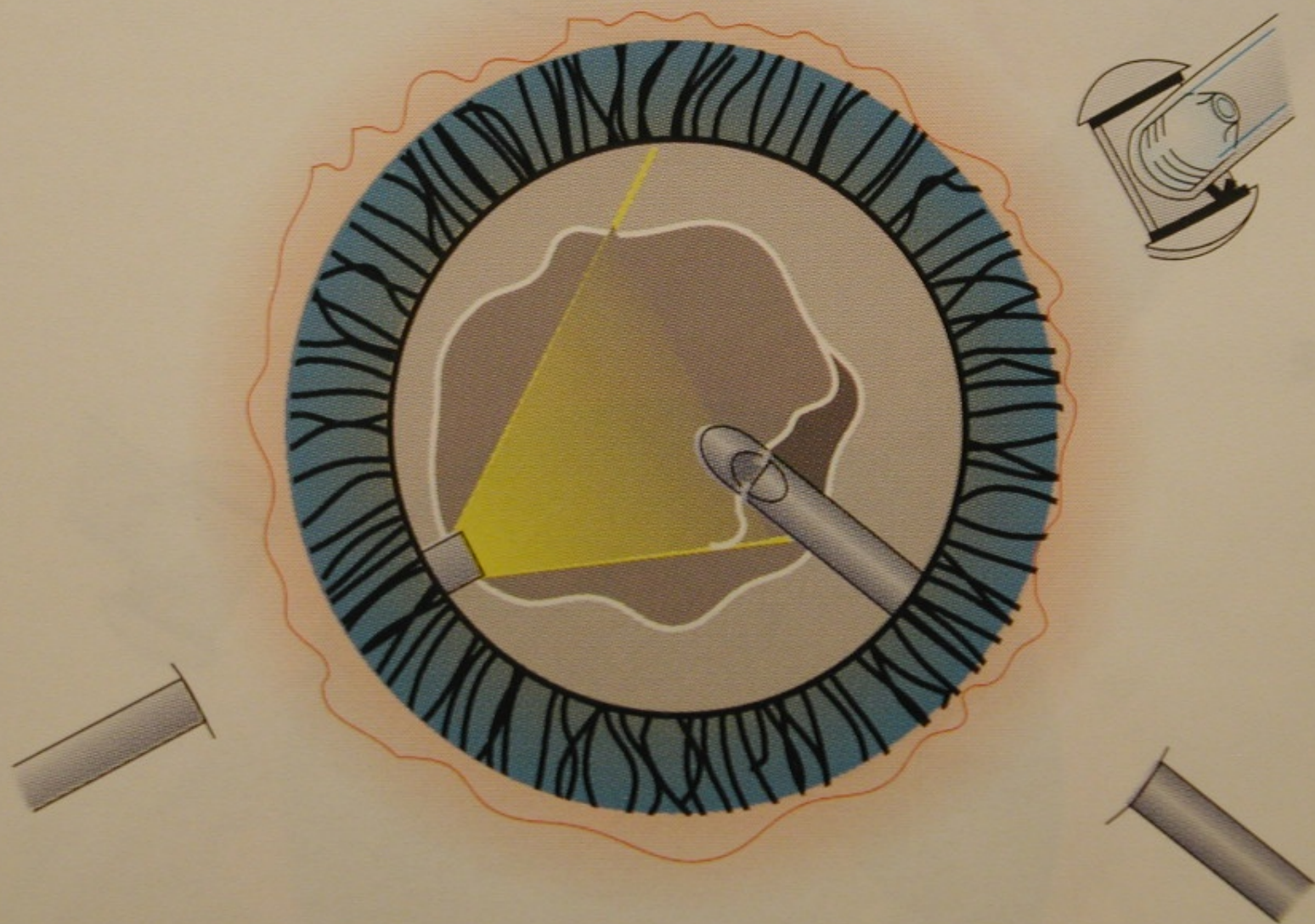
Retina

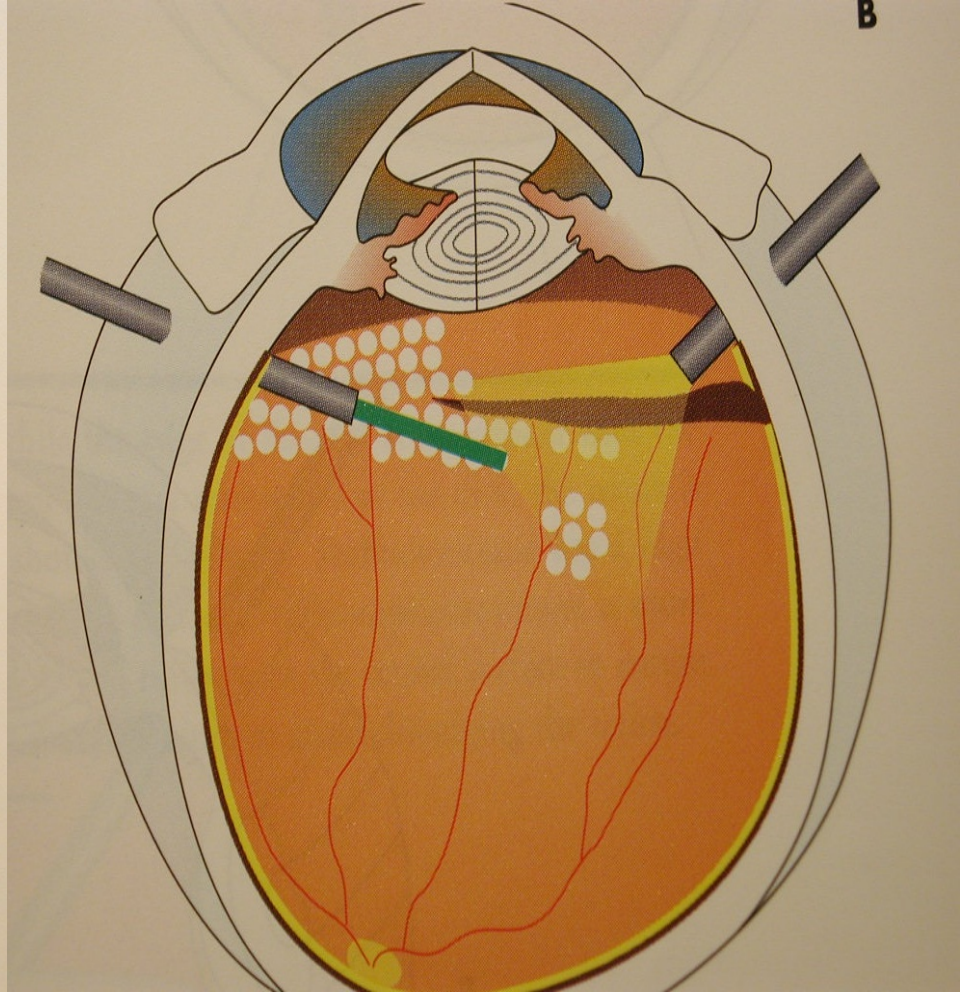
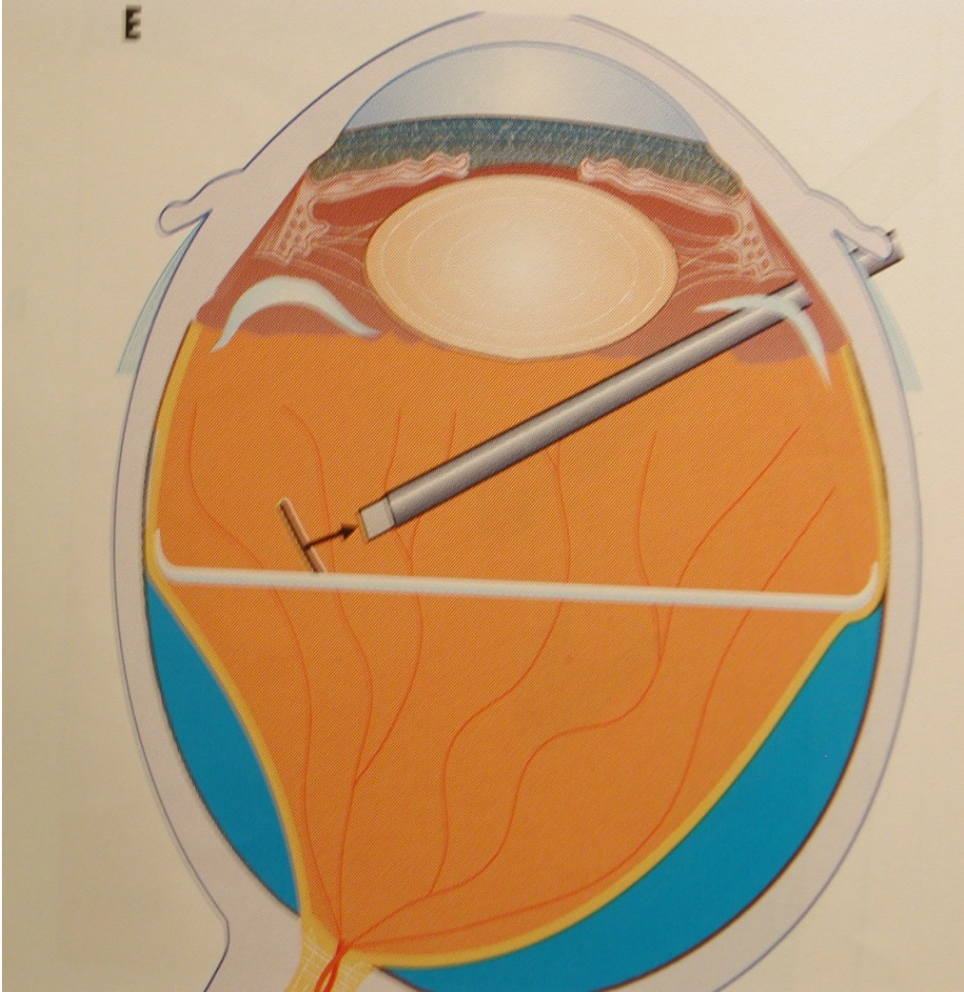
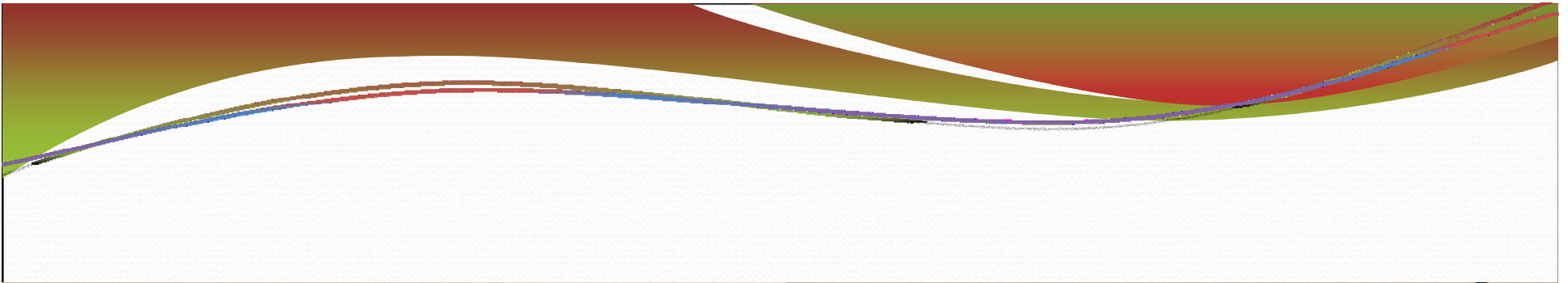
detachment

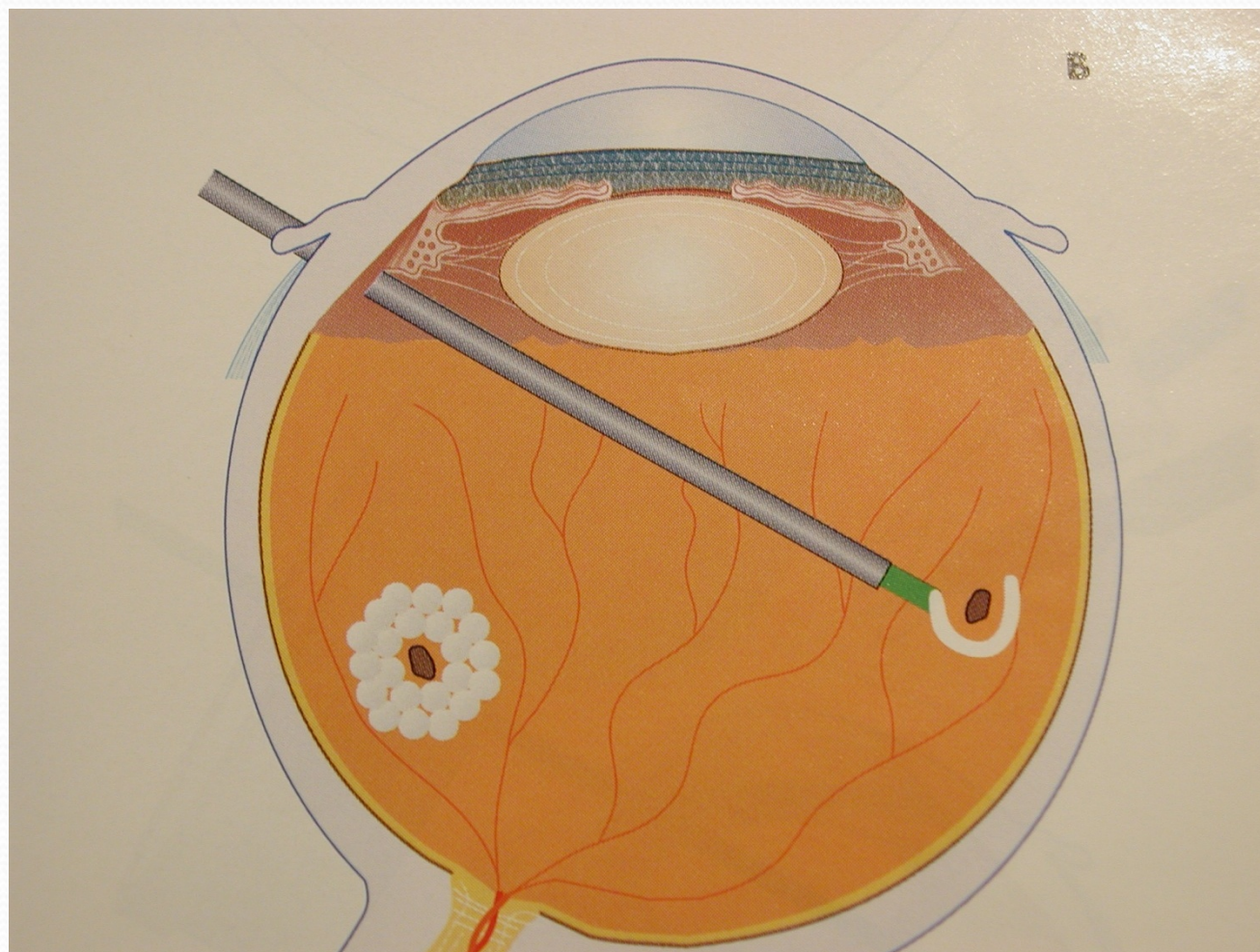


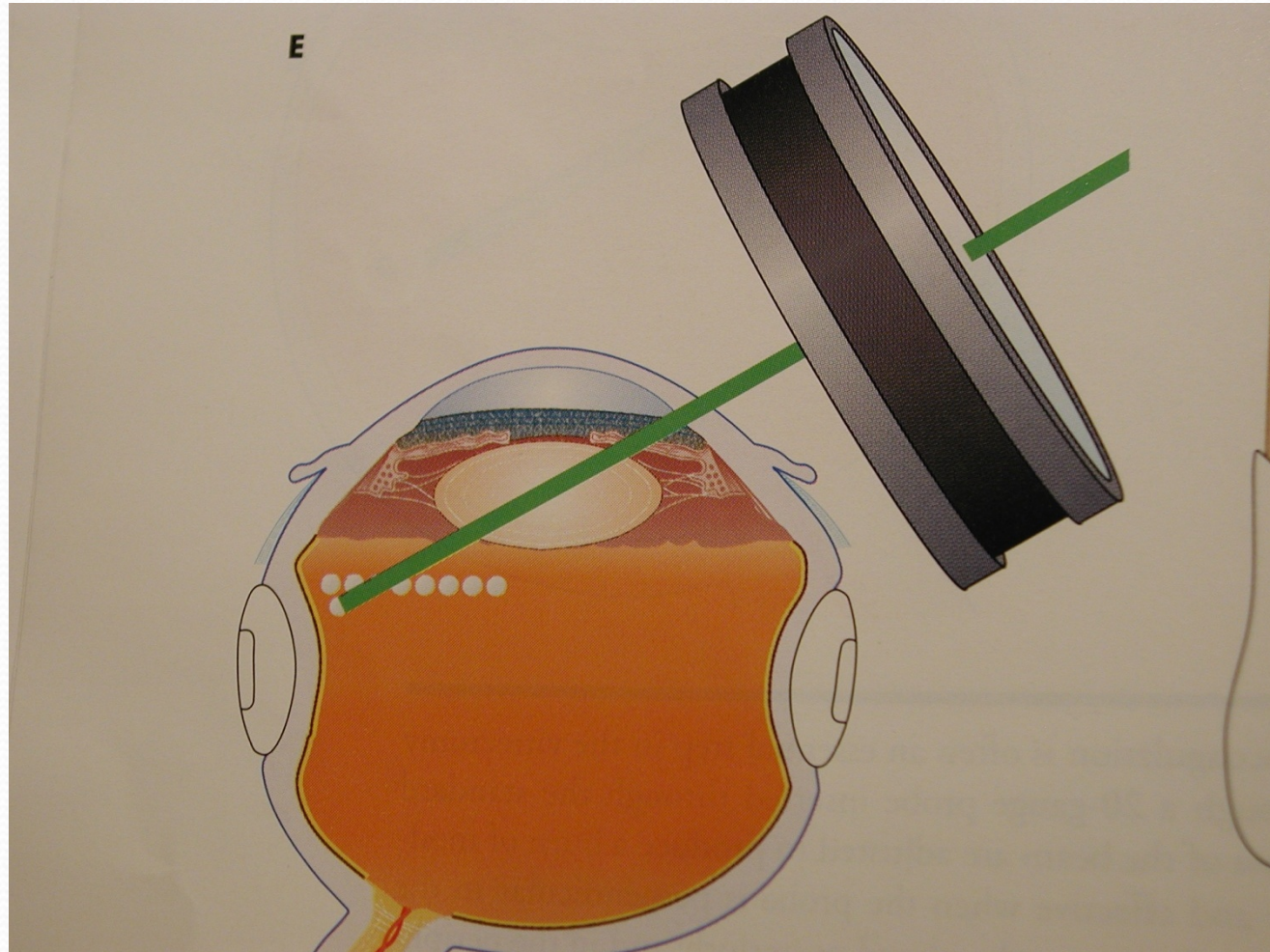


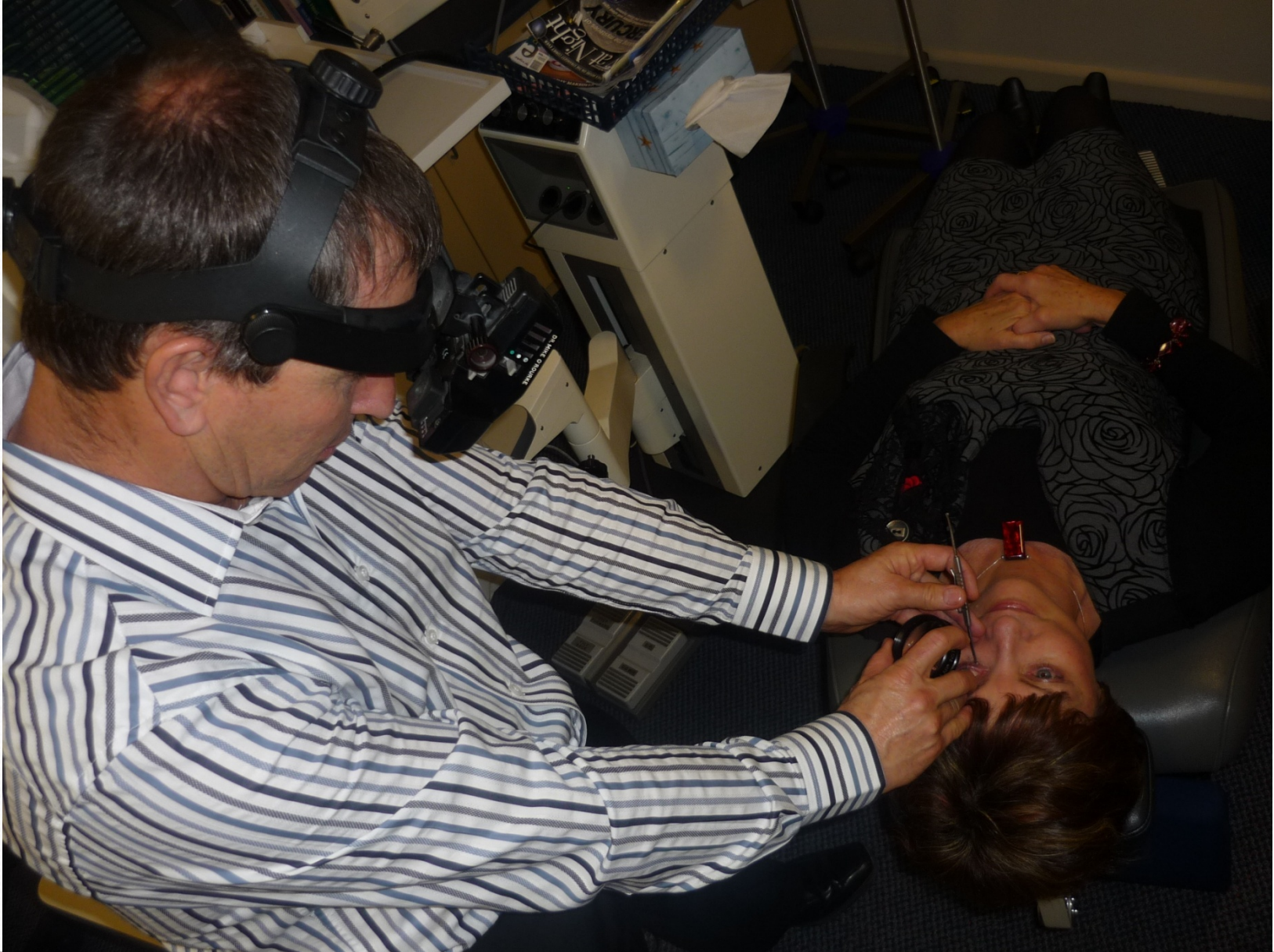
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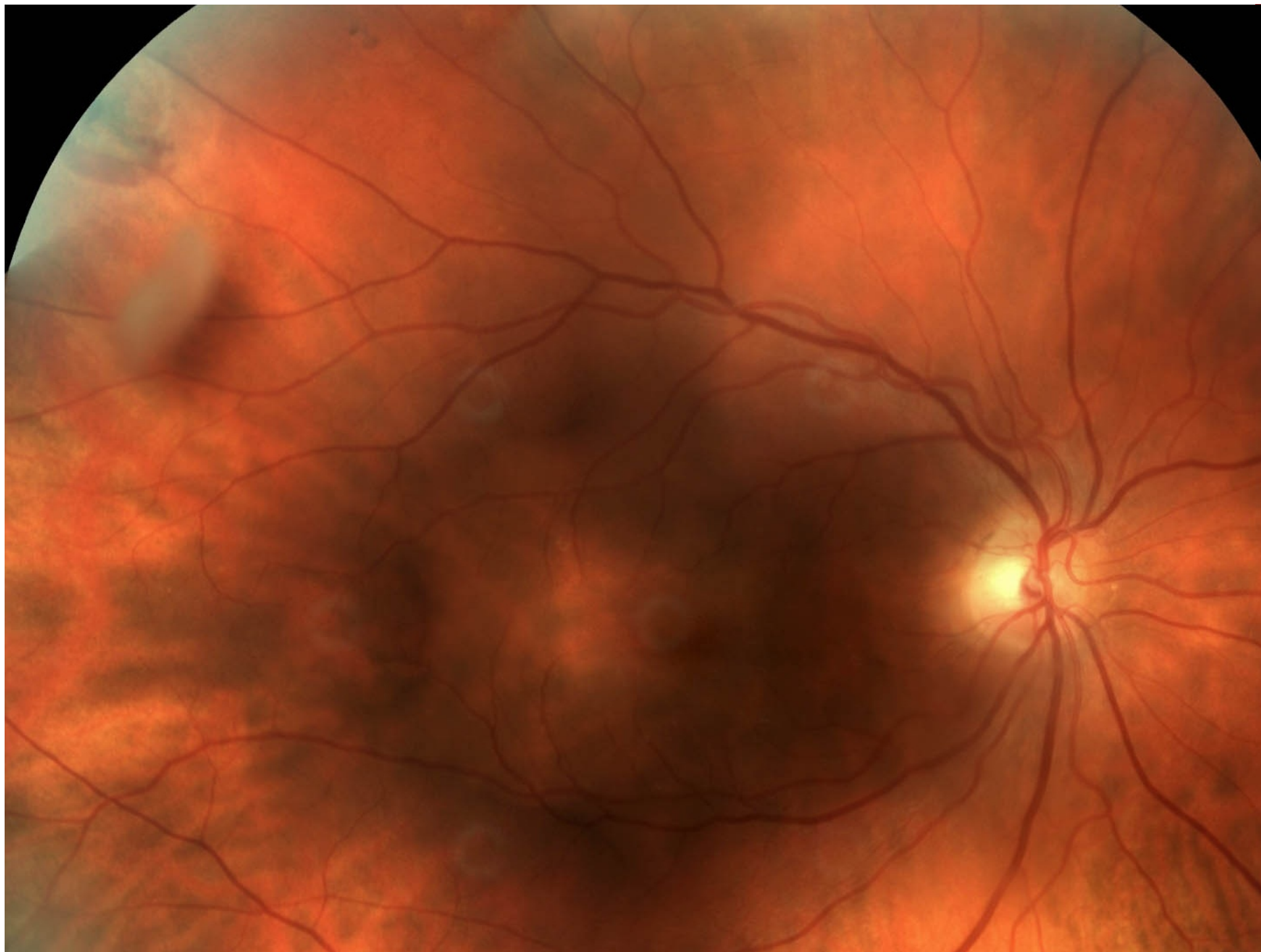




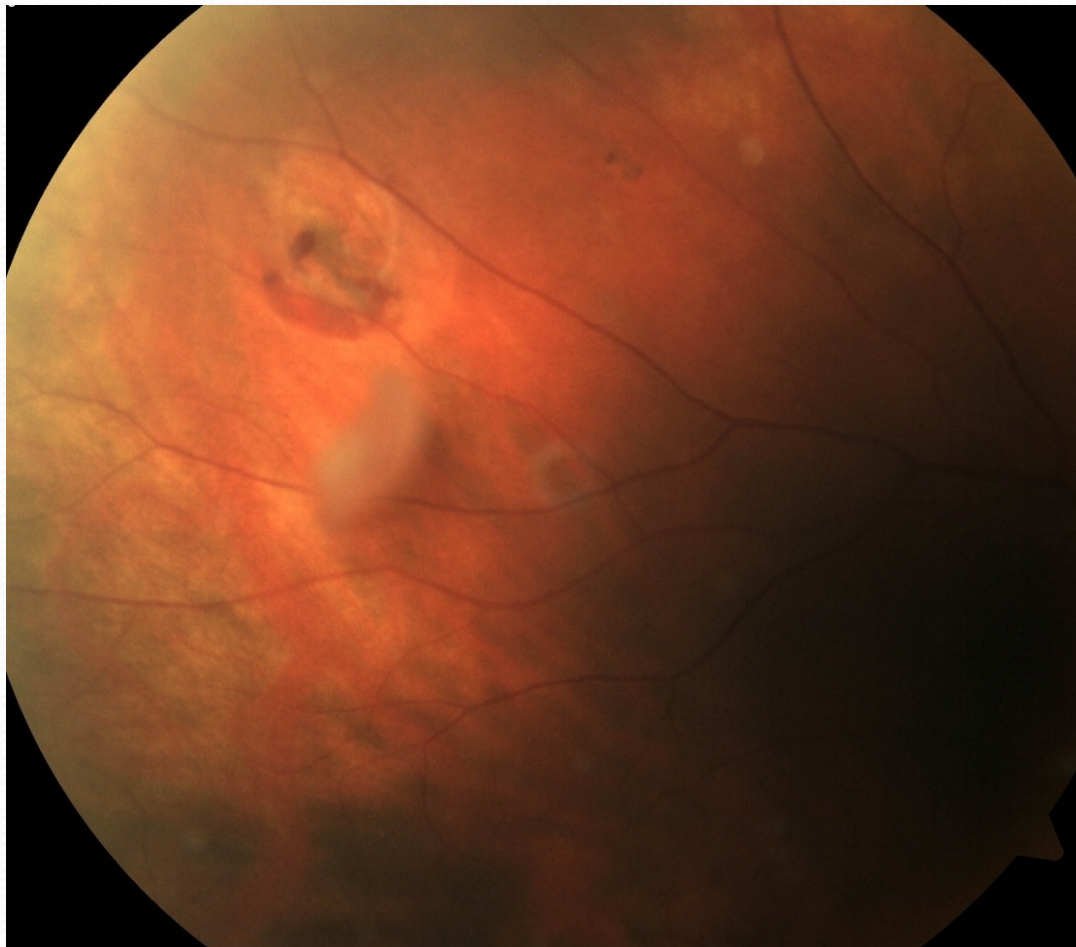




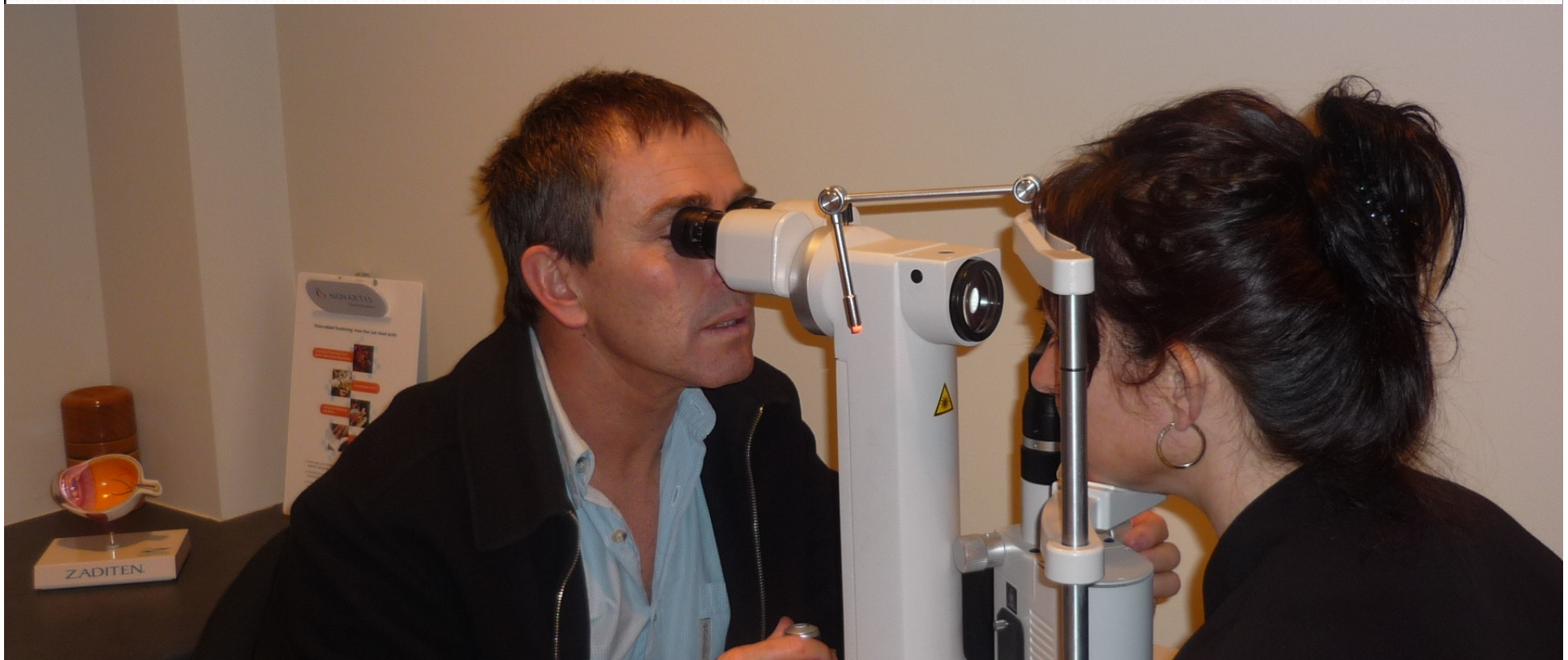




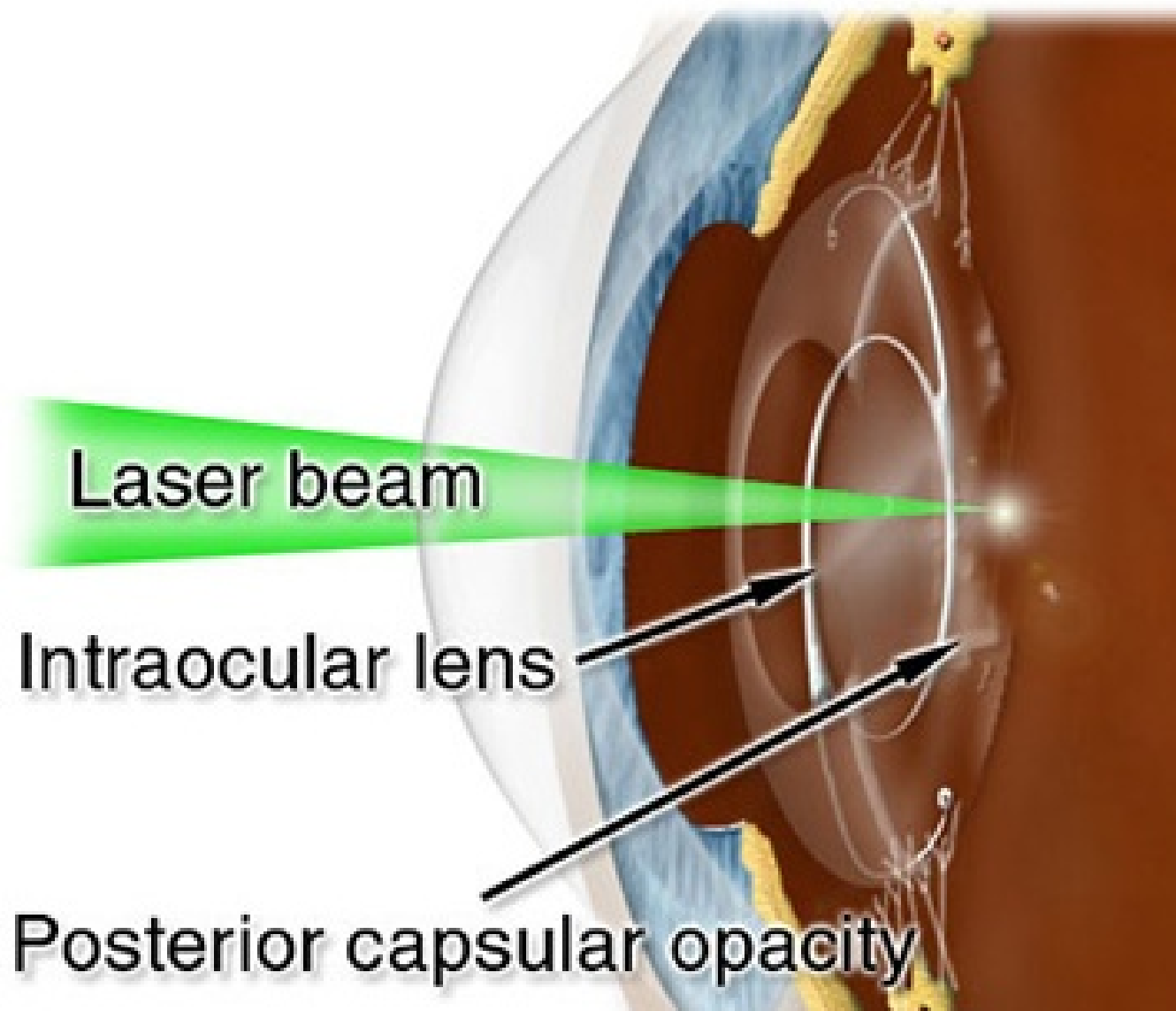
Retina Tears



YAG Laser Capsulotomy

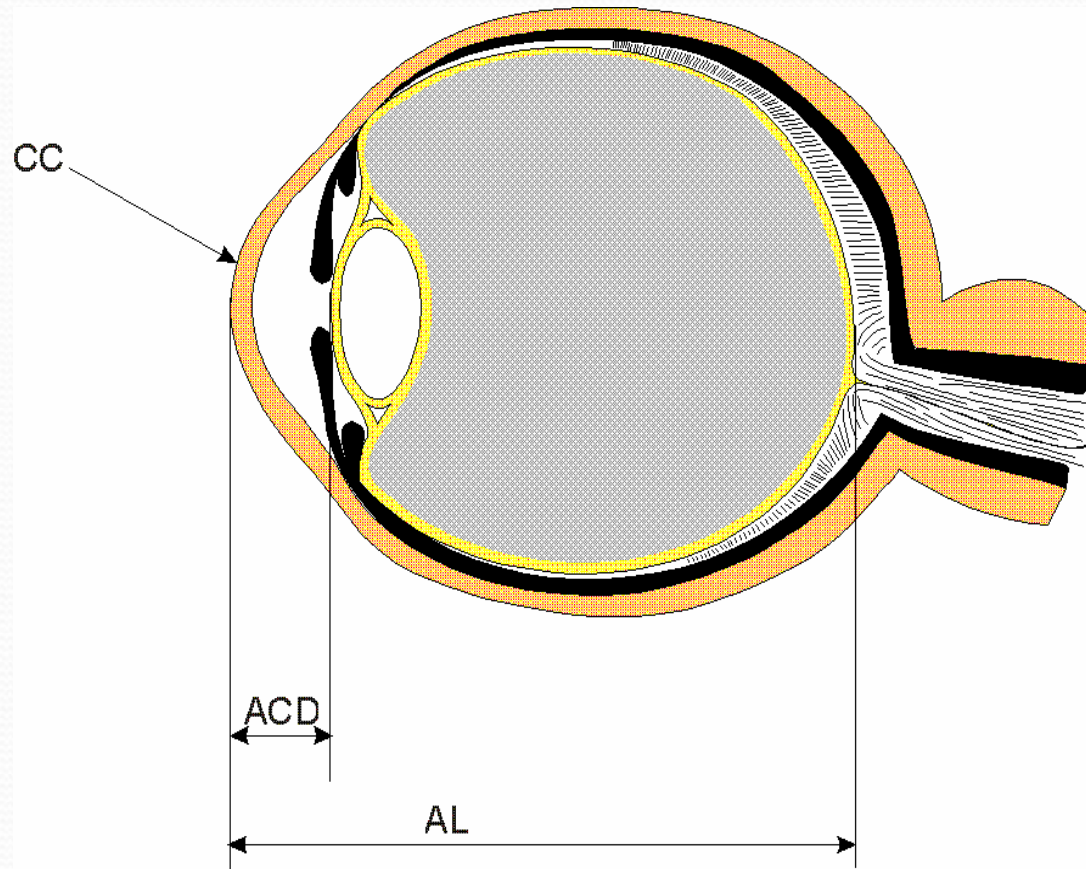


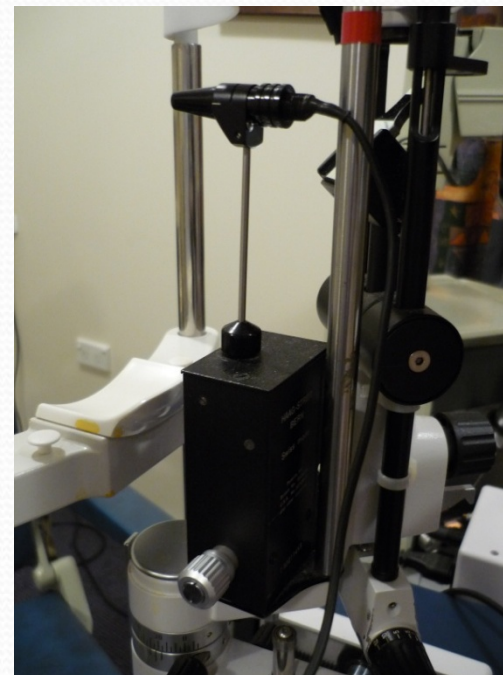
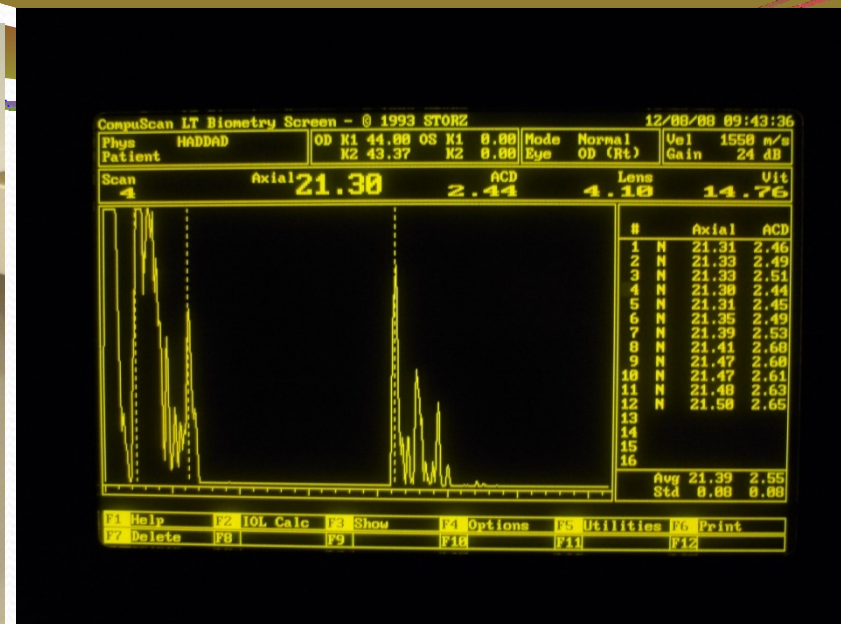
YAG Laser Capsulotomy





Biometry



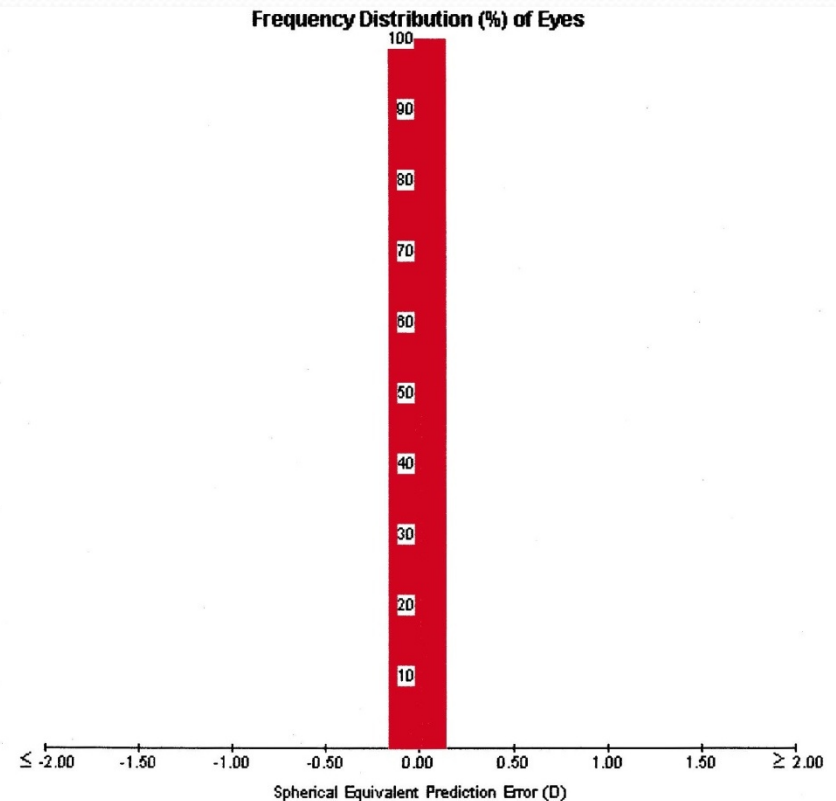
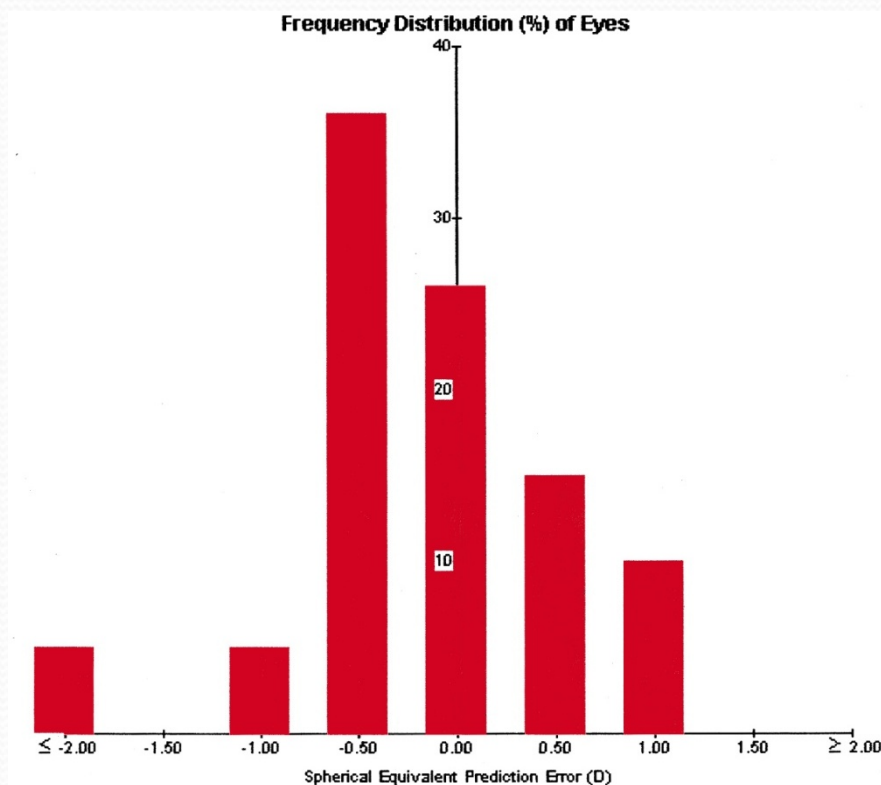


Optical Biometry

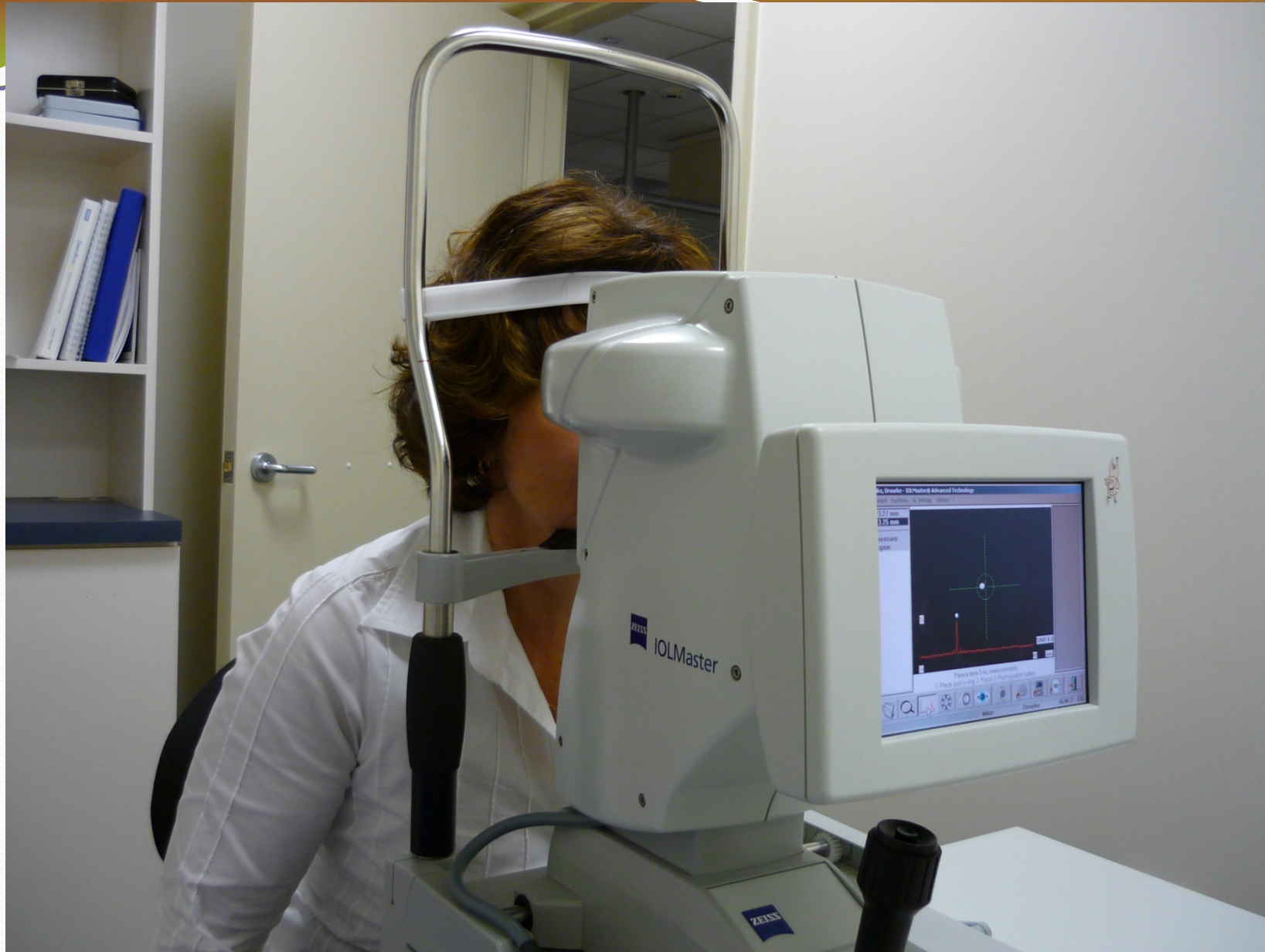
Refractive Outcome

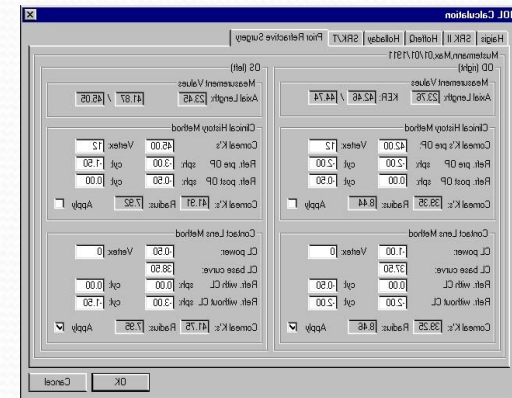
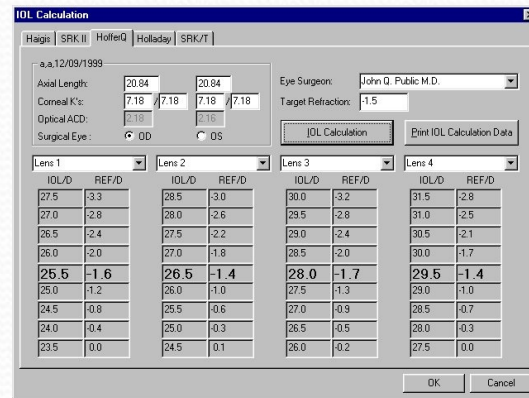
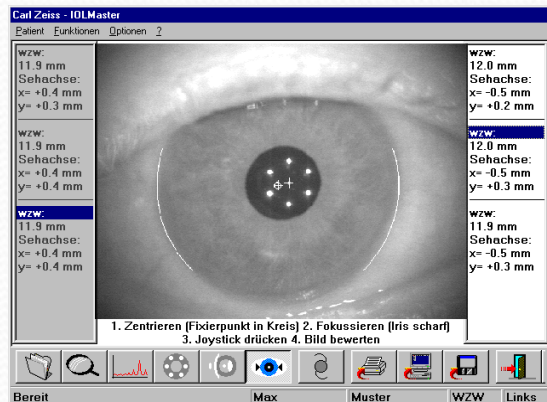
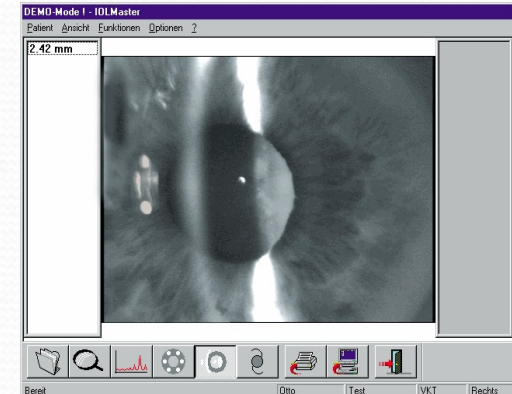
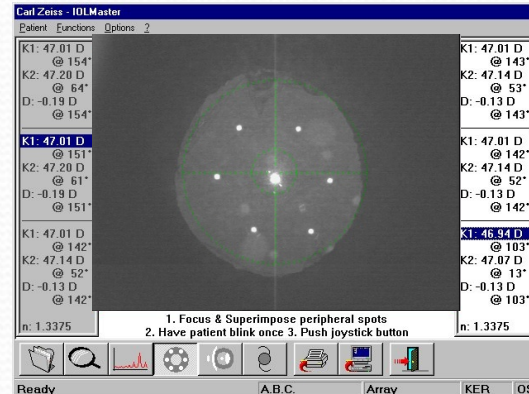
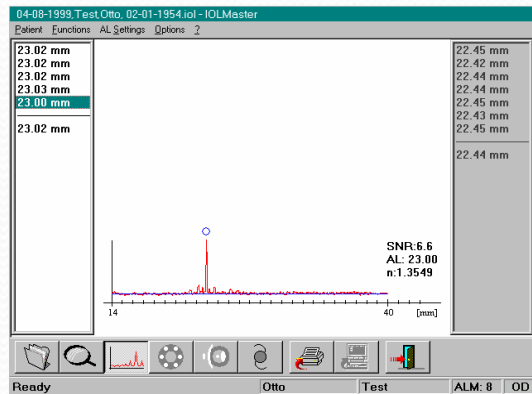
Contact A-scan

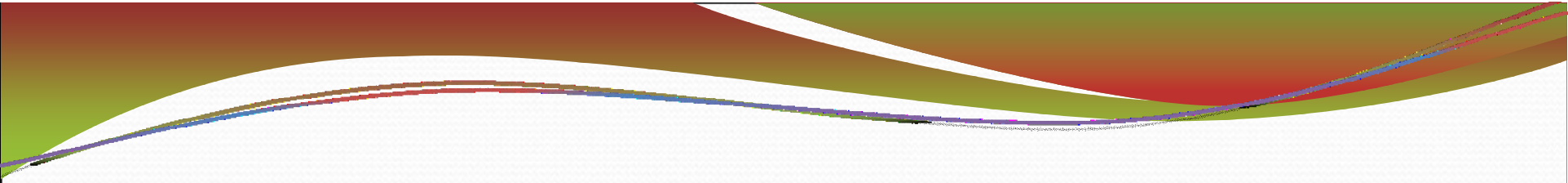
IOLMaster











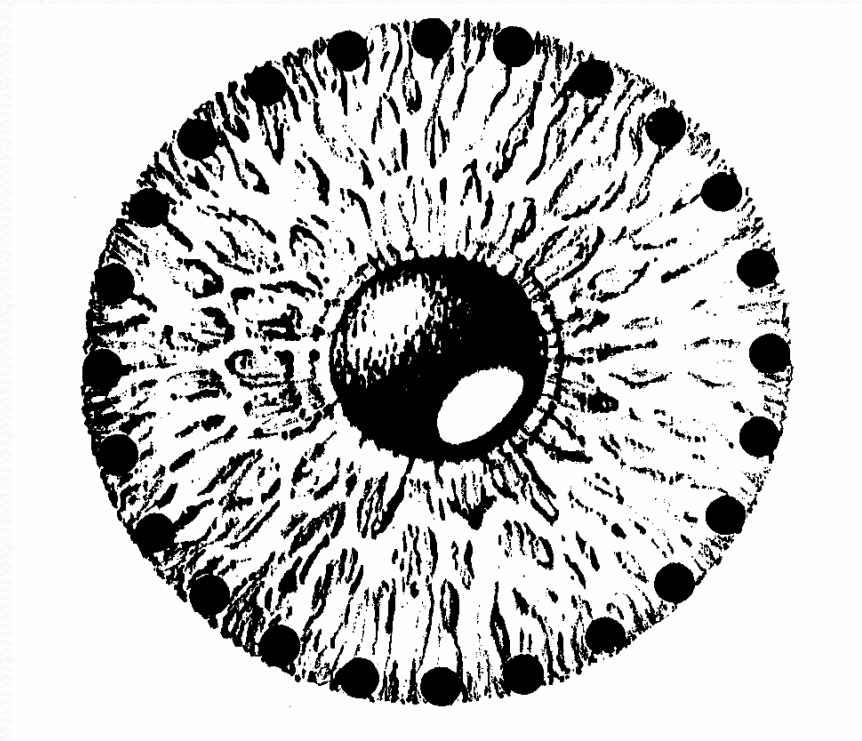
Laser - Glaucoma

- Laser iridotomy
- Laser iridoplasty
- Laser trabeculoplasty
- Laser cyclo-destruction

Laser iridotomy

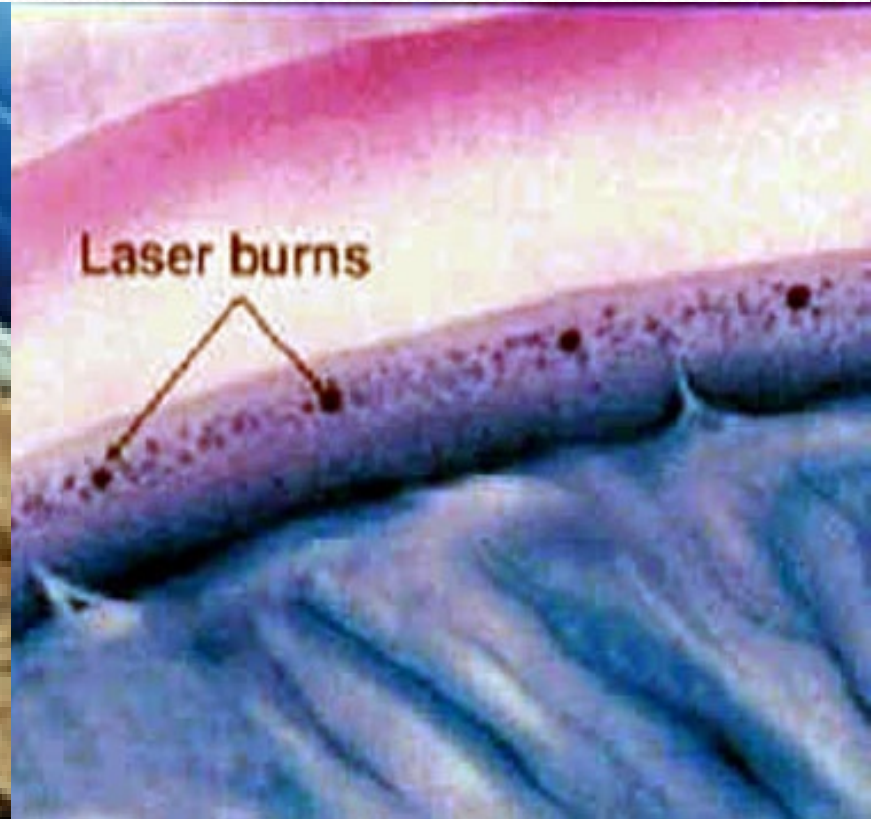
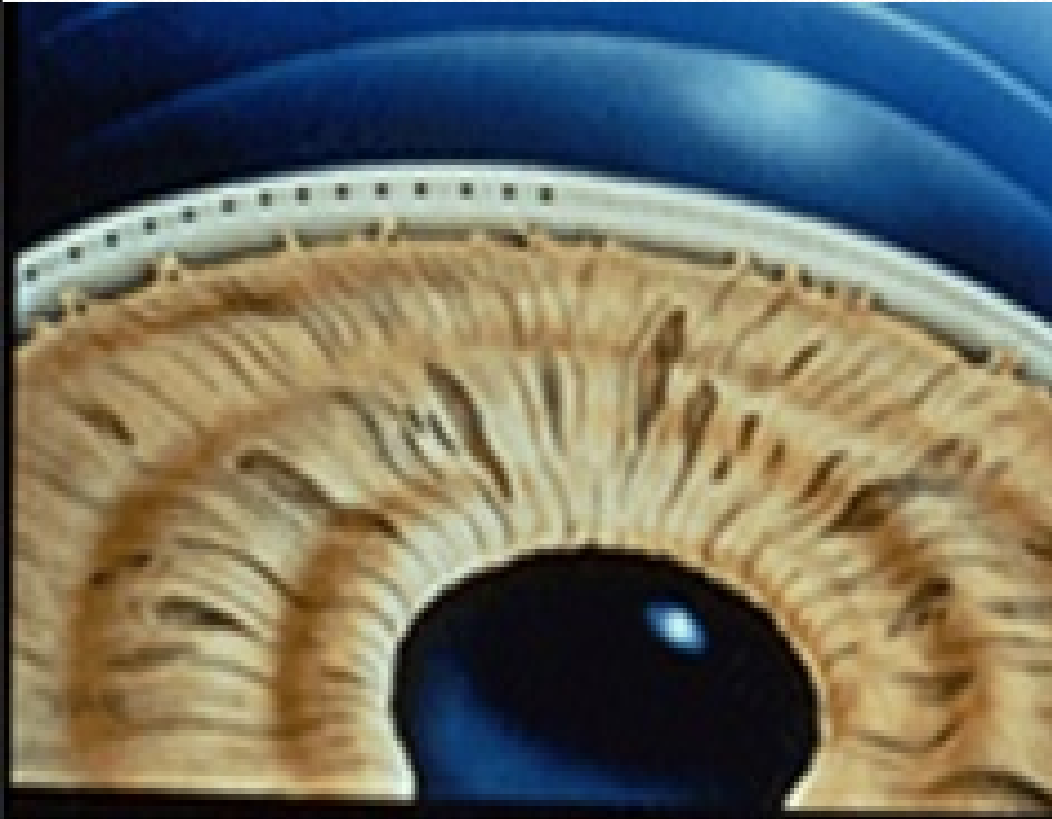


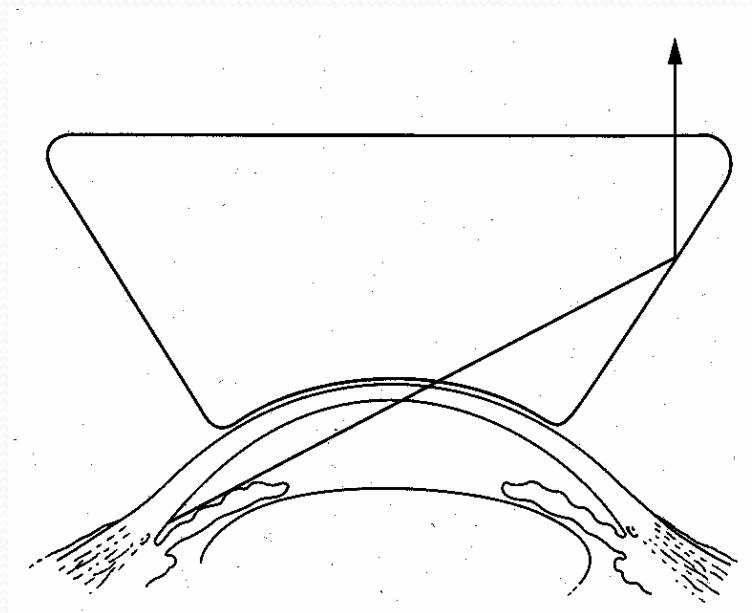
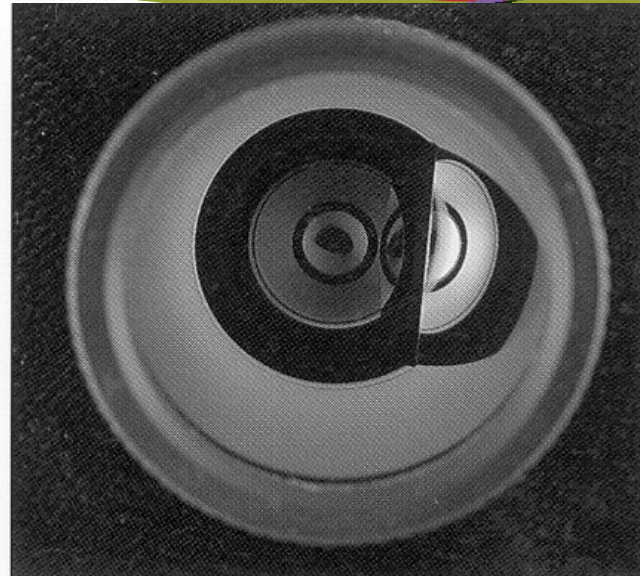
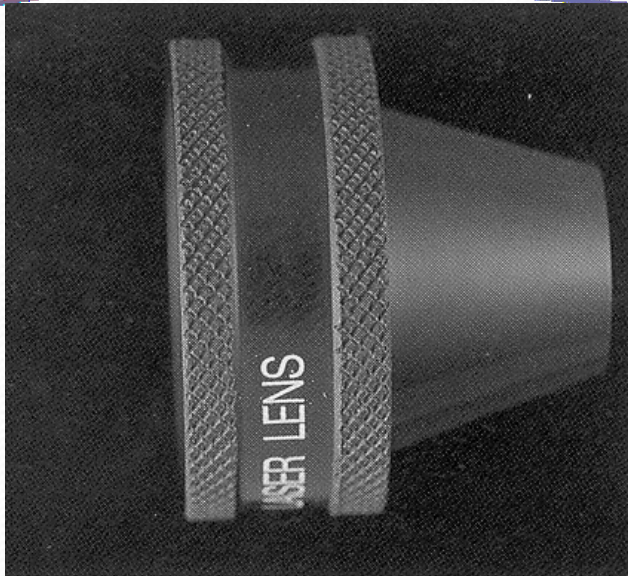
Laser iridoplasty





Laser Trabeculoplasty

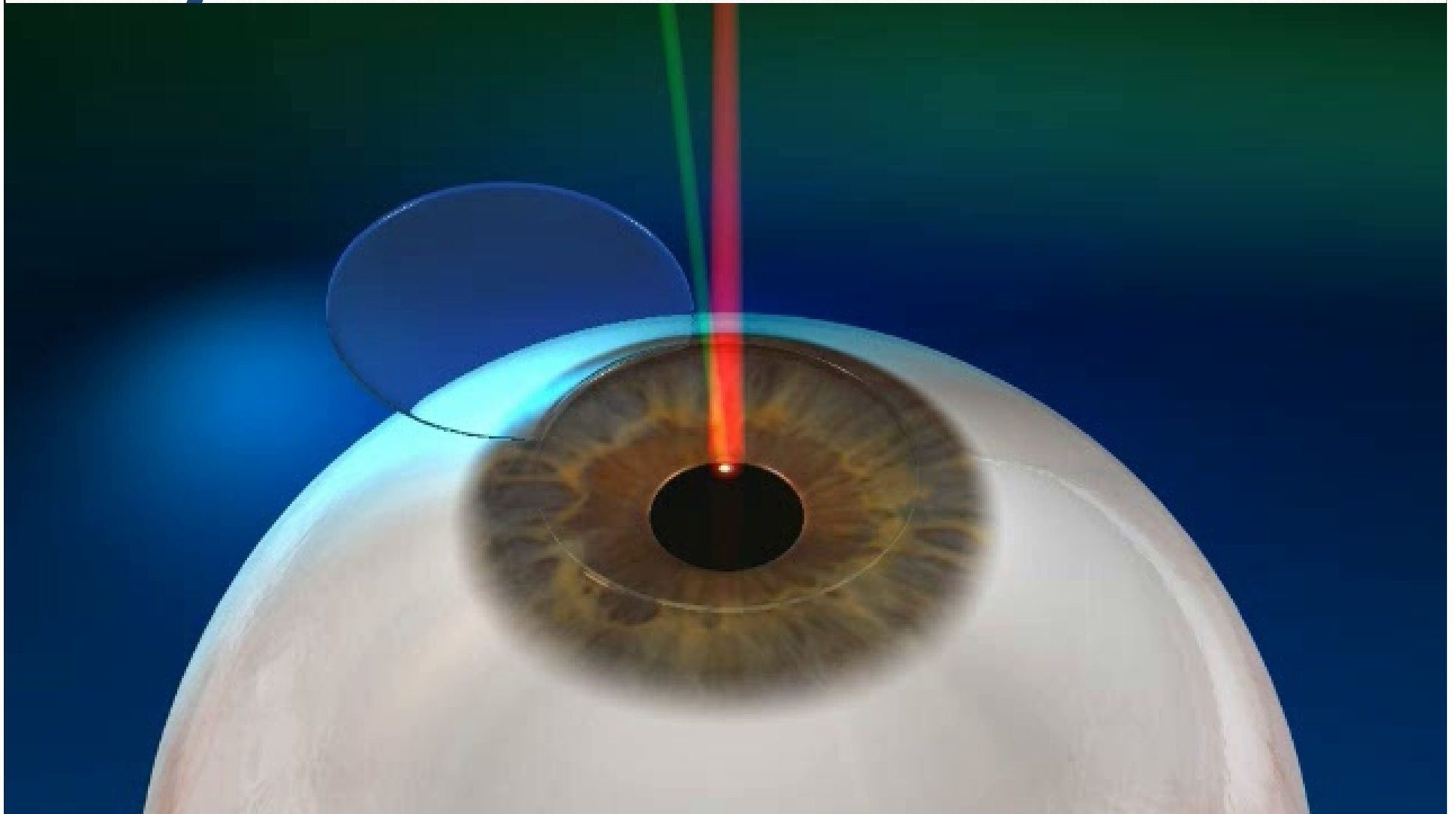




IntraLase® Procedure



Eye Tracker



IntraLase® Procedure

