

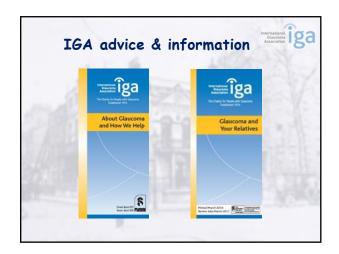


About the IGA Based in Kent, but working across the UK and beyond Founded in 1974 c. 5,000 members - 4,000 people with glaucoma - 1,000 professionals 15 staff 25 Volunteers Turnover £1.25m Funded entirely through charitable income - donations, legacies & membership income Services are free to all







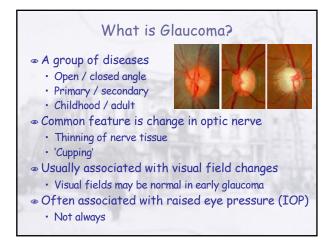


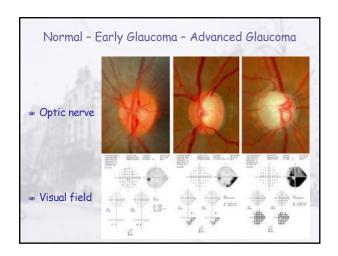






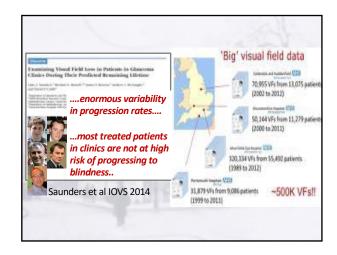


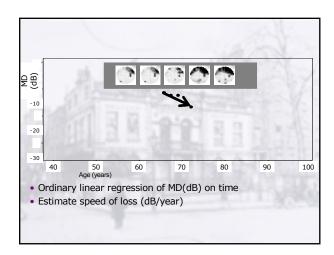


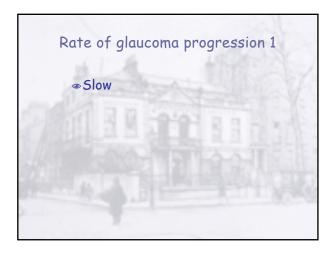


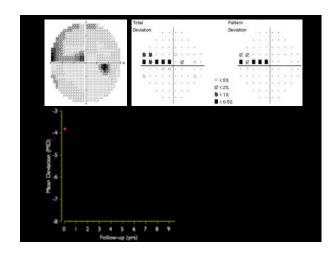


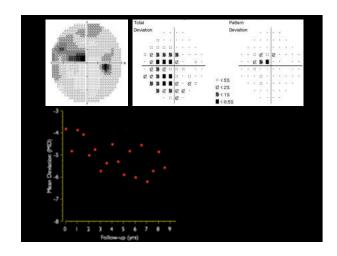


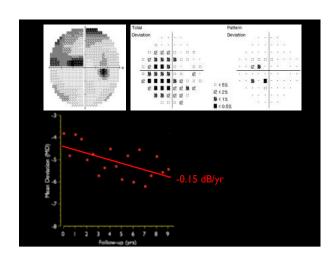




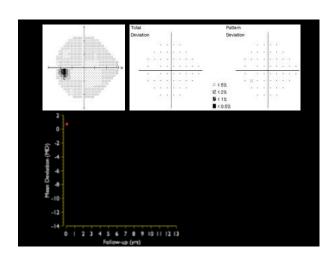


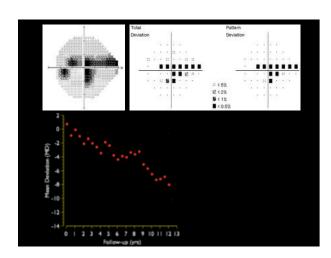


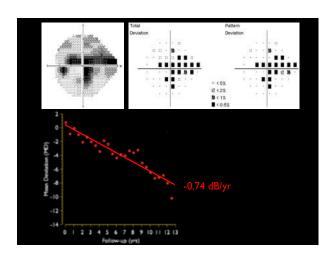




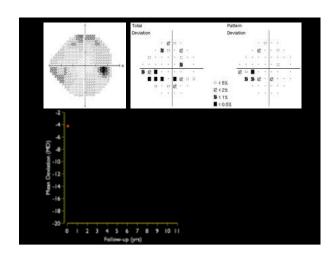


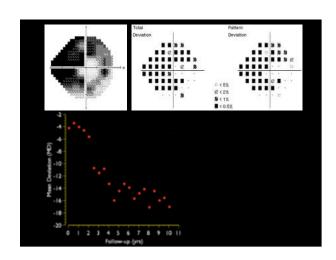


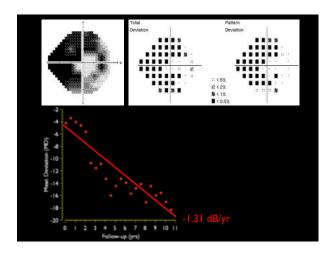


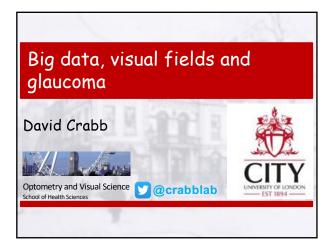


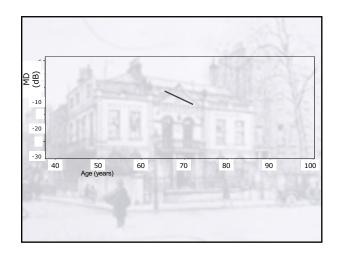


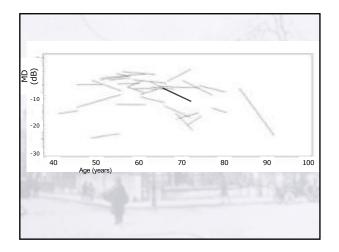


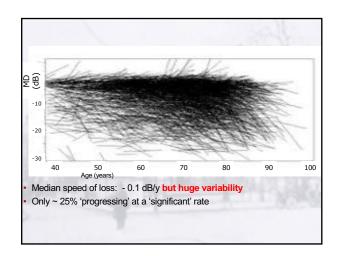


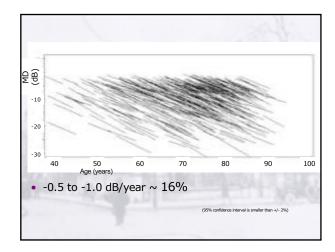


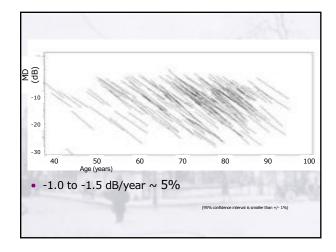


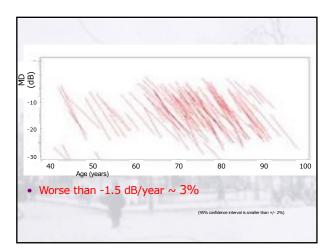


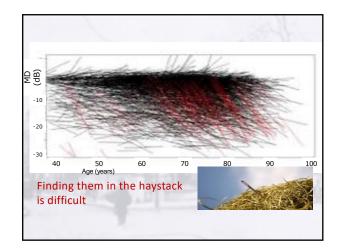


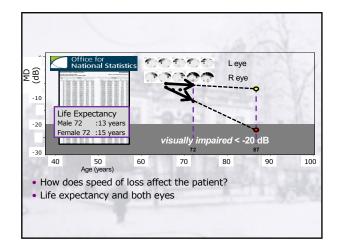


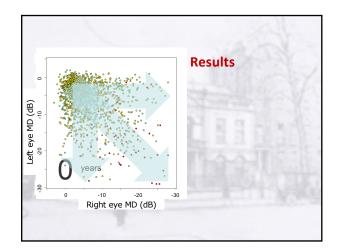


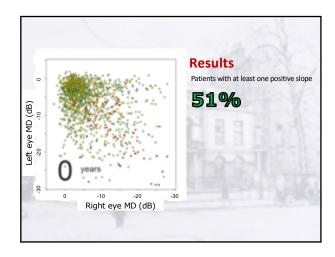


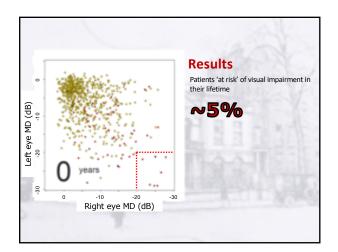


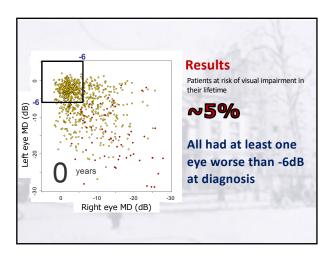




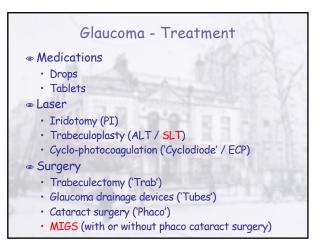


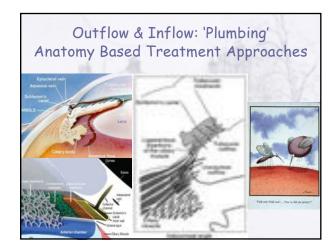


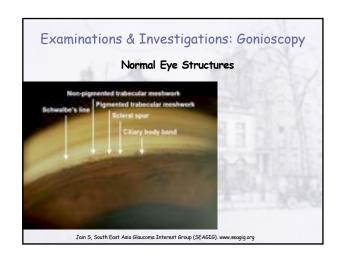


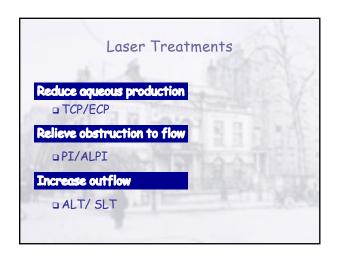


Glaucoma - Eye Pressure IOP = Intra-Ocular Pressure IOP is often raised in glaucoma But not always Not everyone with glaucoma has raised eye pressure Low pressure glaucoma (aka NTG, Normal Tension Glaucoma) Not everyone with raised IOP has glaucoma Ocular Hypertension Lowering IOP effectively treats glaucoma Even if the IOP was not raised in the first place 'Normal' range of IOP around 10-24 mmHg Usually 10-21 mmHg is quoted New population studies suggest higher normal upper limit



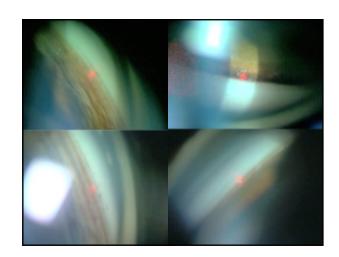






Laser Treatment Cyclophotocoagulation Laser diode cyclophotocoagulation preferable to other forms of ciliary body treatment Reduces aqueous production by destruction of ciliary epithelium Options: Trans scleral (Neodymium: YAG laser cyclo-photocoagulation [1064 nm]) Diode (810 nm) - Cyclodiode (Transpupillary) Endoprobe (ECP, a MIGS procedure)



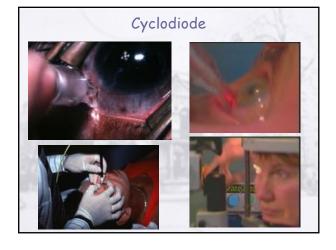


LT Mechanism (ALT / SLT)

- Potential mechanisms for lowering IOP:
 - Mechanical effect with focal shrinkage of the anterior meshwork puts the posterior filtering meshwork on stretch
 - 2. Cellular effect, a diffuse loss of meshwork cells (even in untreated areas between burns)
 - 3. Biochemical effect causing an alteration in both the rate and composition of the trabecular meshwork's extracellular matrix

SLT - LIGHT study

- Laser in Glaucoma & Ocular Hypertension
- Primary treatment Laser vs Drops
- Did not show better quality of life
 - · They used a very basic questionnaire
- T5% of SLT patients still off drops at 3 years
- May change the landscape for initial treatment





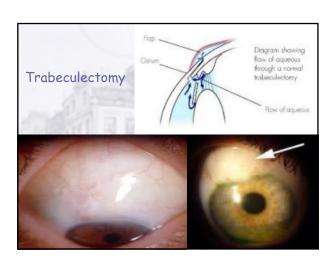


- Efficient & straightforward for doctor and patient
- · Excellent safety profile
- Non-incisional, so can be performed in outpatients or operating theatre
- Predictable
- Minimal inflammation post-op
- Repeatable









New Surgical Techniques in Glaucoma
What are We Looking For?

Trab replacement?

Wound healing modulation?

Medication alternative?

Adjunct to cataract procedure?

Blebless?



