



- Upon examination the kid was found to have trabeculectomy surgeries in both his eyes
- His corneas are 14 mm in both vertical and horizontal diameters
- His IOP 10 mmHg OU



- Disc examination no cupping
- Corneas are clear no Haab striae
- Refraction emmetrope
- Axial length 20 mm
- History his Grandfather has the same condition but he never did any operations and never diagnosed with glaucoma



Why not congenital glaucoma

Triad of epiphora, blepharospasm and photophobia.

corneal clouding and ocular enlargement

Haab striae



Congenital glaucoma

- Axial myopia
- a corneal diameter greater than 13.0 mm
- a cup-to-disc ratio greater than 0.3

IOP greater than 20 mmHg The baby should be calm

Valsalva maneuver and eyelid squeezing can cause an IOP of 30 to 40 mmHg even in healthy eyes

Keep in mind

Chloral hydrate has the least effect on IOP measurement

Some agents are known to increase IOP, including ketamine (minimal to mild) and succinylcholine (marked)

Megalocornea

- A rare nonprogressive enlargement of the cornea to 13 mm or greater
- Histologically normal.

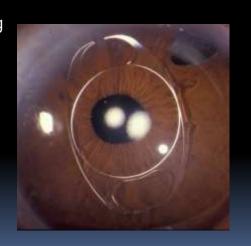
- Gonioscopy.
- Widened ciliary ring indicates anterior megalophthalmos.

Medical Care

- Correction of refractive error and thorough evaluation for findings of anterior megalophthalmos.
- The development of cataracts and glaucoma is necessary.

 The zonules supporting the lens capsule surrounding the cataract are often weak.

IOL size



Pediatric developmental specialist
These include albinism, <u>Down</u>
 syndrome, <u>Marfan syndrome</u>, Alport
 syndrome, <u>craniosynostosis</u>



