Target Intra Ocular Pressure by Prof. Dr. ALI KHALIFA

Al Azhar University

EGYPTIAN SOCIETY FOR THE GLAUCOMAS

2020

1

Definition of Claucoma Today

- Optic neuropathy
 - Optic cupping and VF loss.
 - Loss of Ganglion Cell.
- IOP risk factor.

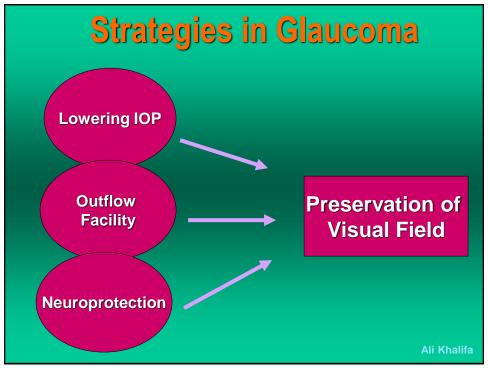
Ali Khalifa

Other Glaucoma Risk Factors Elevated IOP

- Family history
- Advanced age
- Stage of glaucoma
- Race
- Genetic factors
- Microvascular disease Diabetes arteriosclerosis
- High myopia

Ali Khalifa

3



What is IOP?

- Morning IOP
- Afternoon IOP
- Diurnal IOP
- Nocturnal IOP
- Peaks & troughs (morning vs afternoon; waking up)
- IOP in relation to blood pressure
- Corneal thickness

Ali Khalifa

5

What made us think of target IOP.

- Progression of VF inspite reaching physiological press.
- L.T.G.

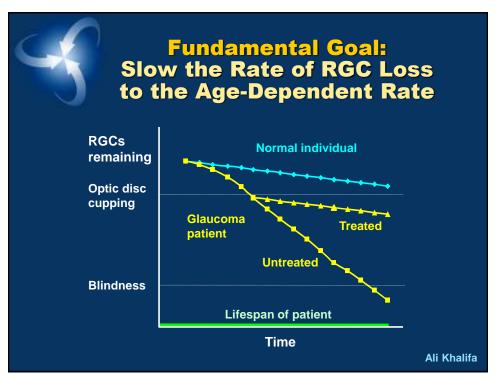
Ali Khalifa

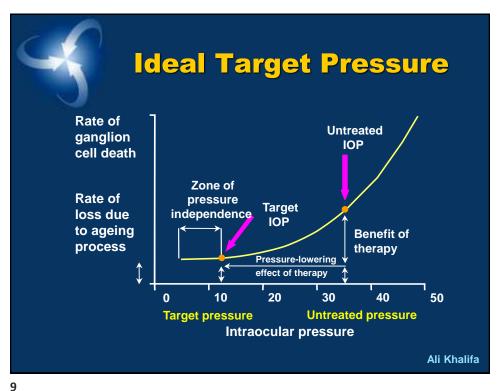
What is Target IOP?

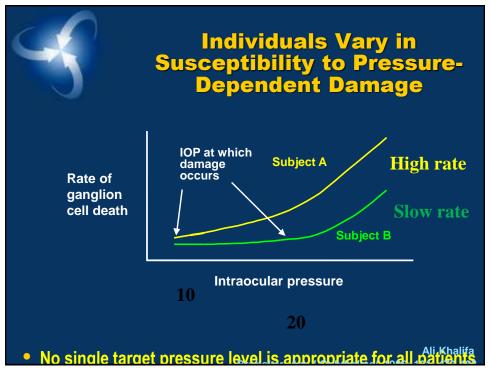
- IOP obtained with treatment that prevents progression of glaucomatous V.F damage.
- Target IOP should be selected following individual patient assessment.
- Target IOP readjusted in course of events.

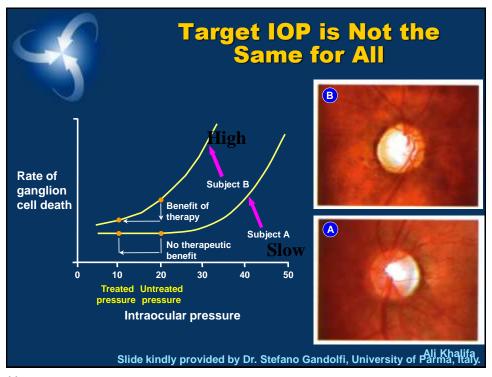
Ali Khalifa

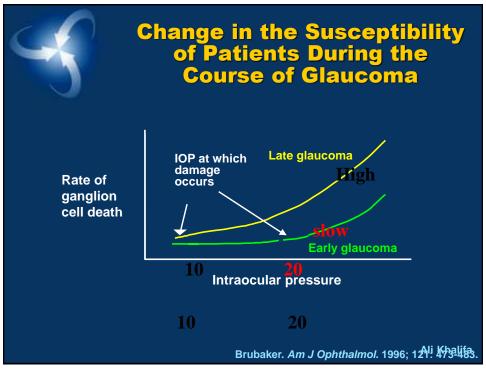
7









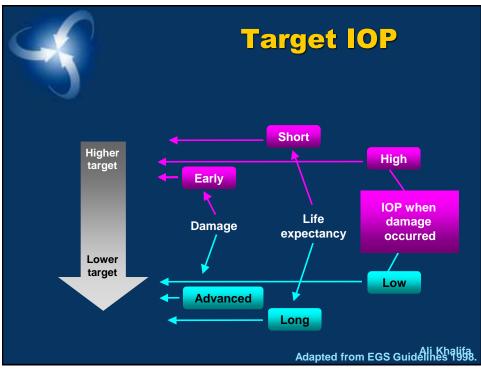


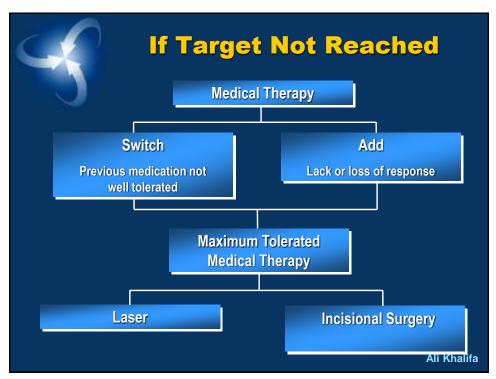
What to Think of during setting target press.

- Severity of existing ON damage.
- Severity of IOP.
- Rapidity with which the damage occurred (rate of progression).
- Patient age and expected life span.
- Family history.
- Race.
- Cost and risk of treatment (and lack of treatment).

Ali Khalifa

13





Go to Lower target Pressure

- Less initial pretreatment IOP.
- More advanced ON damage.
- Vasculopathy
 - Diabetes.
 - Arterio sclerotic cvs.dse.

Ali Khalifa



STUDIES

What was said previously came from the following studies:

- OHTS: Ocular Hypertensive Treatment Study.
- EMGTS: Early Manifest Glaucoma Treatment Study.
- CIGTS :Collaborative Initial Glaucoma Treatment Study.
- AGIS: Advanced Glaucoma Intervention Study.
- CNTGS: Collaborative Normal Tension Glaucoma Study

Ali Khalifa

17

