بسم لله الرحمن الرحيم

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E.O.S. March 2007

Assessment Of Progression O.A.G.

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Assessment Of Progression O.A.G.

- □ IOP
- □ Visual Field
- □ Optic Nerve Head Structural Changes
- □ Nerve Fiber Layer Thickness
- □ Optic Nerve Head Dimensions

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I.O.P.

IOP in Egyptians above the age of forty is 15.4 mmHg in males and 15.9 mmHg in females. This increases to 16.1 mmHg in the 61-70 years age group.

Ocular hypertension and glaucoma suspect should be considered with IOP>23 mmHg

Glaucoma should be considered when IOP is above 26 mmHg

Shiaty 2005

Target IOP Limitations of IOP

- □ Corneal thickness
- □ Fluctuations
- □ Risk factor

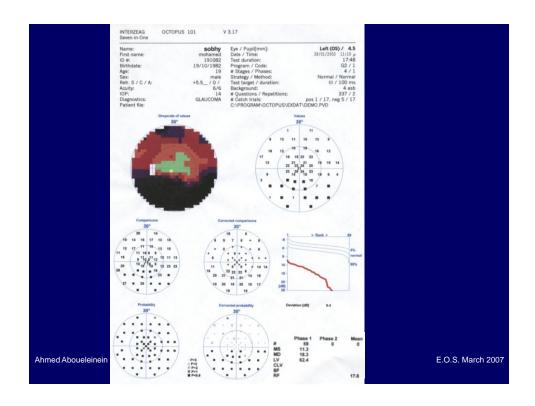
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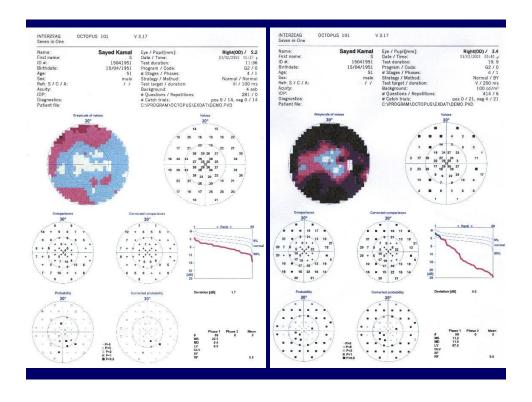
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Visual Field

- Subjective
- ☐ Nerve fiber layer damage earlier than visual field defect
- □ Short wave Automated Perimetry (SWAP) → limitations

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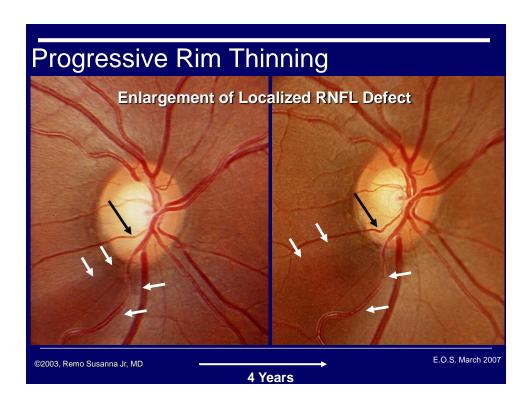


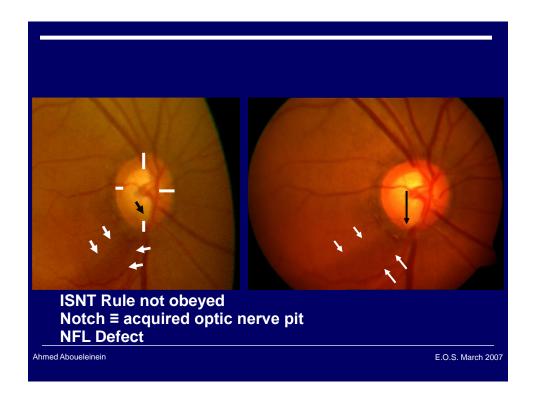
Optic Nerve Head Structural Changes

□ Photography – Drawing

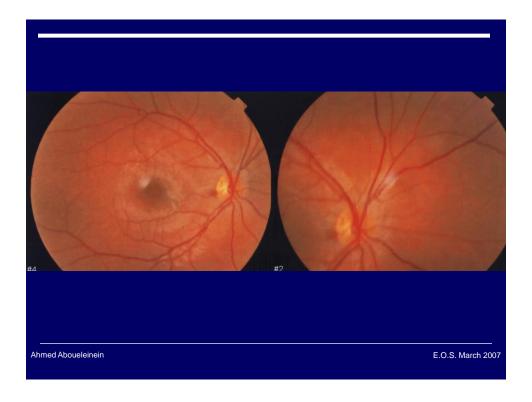
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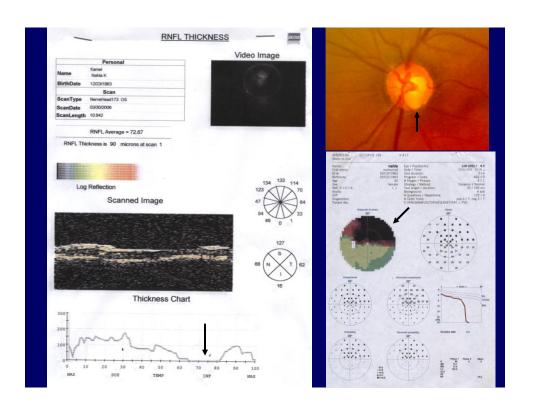








Nerve Fiber Layer Thickness Optic Nerve Head Dimensions OCT HRT Limitations Quantitative Assessment



Assessment of Progression

- □ VF Progression: reproducible worsening of at least 2 dB in the VF mean deviation.
- □ OCT progression at least 20µm
- □ OCT progression alone 22%
- □ VF progression alone 9%

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