

Glaucomatous Field defects

- Glaucoma is group of diseases leading to potentially progressing optic neuropathy (of certain morphology) that is associated with visual field loss as damage progresses and in which IOP is the key modifiable factor
- Mnemonic: IC BB wings SAD steps





Q2: Is the 'focal defect' glaucomatous ?

Glaucomatous field defects are:

- - Asymmetrical across the horizontal meridian
- - Located mid-peripheral (5 25°) from fixation
- - Reproducible
- - Clustered in neighboring points
- - Not attributable to other pathology
- - Correlate with optic disc and RNFL thickness changes

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Q3: Are these changes real?

- Present on repeated testing
- Fulfilling the 3 minimal criteria for GLAUCOMA defects
- On PD plot: 3 non edge points p<5%, 1 point p<1%, cluster in Bjerrum's area
- -Depressed PSD/CPSD P<5%
- -GHT below normal limits









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Opto-ciliary shunt vessels







Moderate defects





Advanced glaucoma (24-2)





In conclusion

- Glaucomatous field changes must be specific reproducible and real changes to the field of vision
- Beware of artifacts , leaning effects and reliability indices before pinpointing a field defect
- Beware of overlapping conditions and always correlate with other tests



