VEP Testing in Clinical Practice

VEP Case Review: Glaucoma Suspect

Case ID: 1GS

Patient Work-Up	
Gender	Male
Age	47
Ethnicity	White
Complaints/Symptoms	None
Family History	Grandmother glaucoma
IOP (mmHg) OD	15
IOP (mmHg) OS	16
Pachimetry (µm) OD	510
Pachimetry (µm) OS	526
Refraction OD	Plano
Refraction OS	Plano
BCVA OD	20/20
BCVA OS	20/40
Preliminary Diagnosis	Glaucoma Suspect

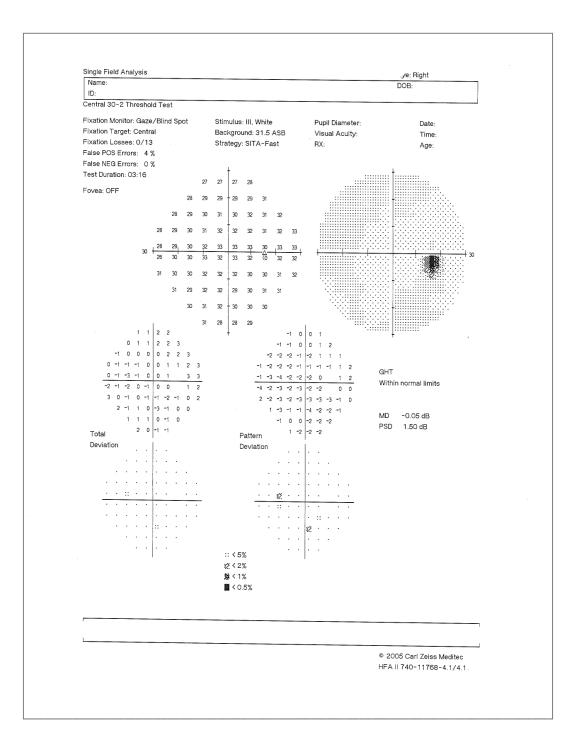
Tests Performed

- **Visual Field:** within normal limits OD and a diminished response in the superior hemifield (arcuate defect) OS.
- **OCT:** shows a thinning of the ganglion cell complex and RNFL OU.
- VEP: shows a delay in low contrast latencies OU and also a delay in the high contrast OS.

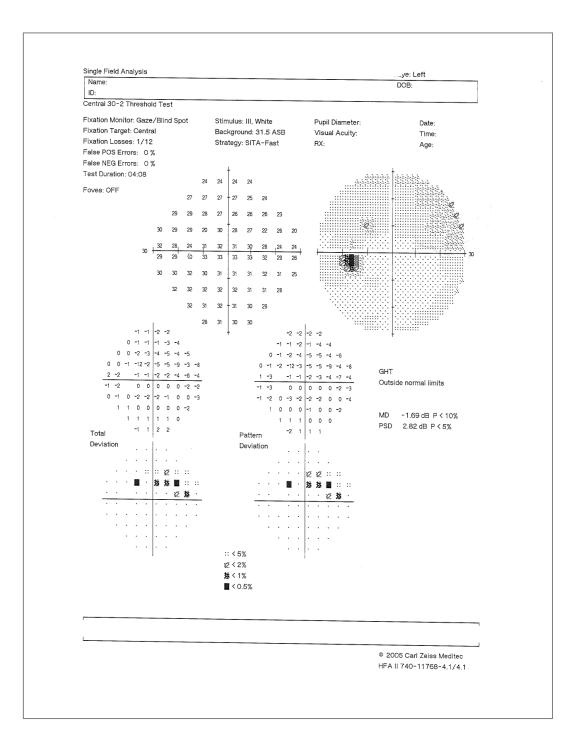
Conclusion

VEP confirms ganglion cell dysfunction. Since there is no evidence of ocular hypertension, the clinician made a preliminary diagnosis of Low Tension Glaucoma.

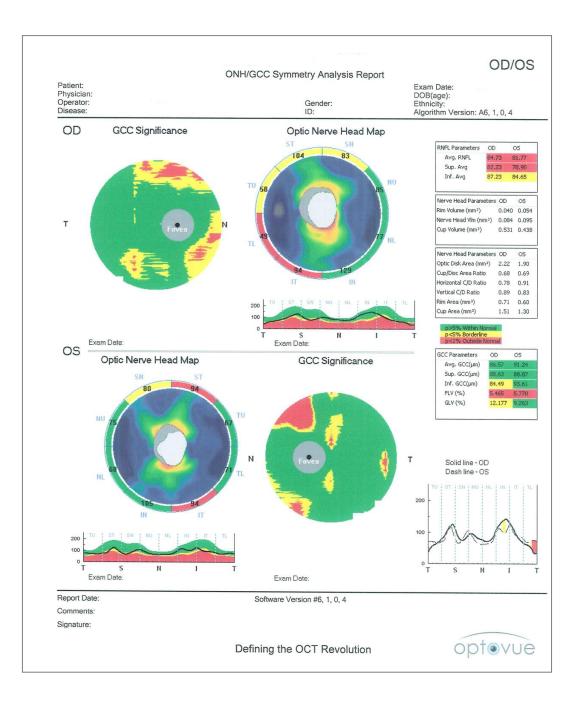
Visual Field - OD



Visual Field - OS



OCT



VEP - LX

