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Name: **Ani Mihailova**
Date of Birth: 18/12/2007
Sex: F
Patient Number: PX330687
Consultant: Mr Saggar, Dr Boyd
Provisional diagnosis: Optic atrophy, congenital nystagmus
Clinical Summary: ? cone rod dysfunction
Clinic Code: erggoshF

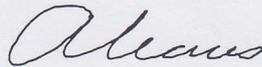
ERG/VEP

Repeat No.: 1

REPORT NO.: PX1006112_1
Date of recording: 22/08/2013

Electrophysiology Report

Pattern retinal responses are evident for each eye to a range of reversing test checks. Responses have recordable P50 components indicating macular photoreceptor activation but the N95 is not evident indicating ganglion cell/optic nerve dysfunction. In keeping with ganglion cell dysfunction diffuse flash retinal responses are evident with well-defined photoreceptor 'a' waves but the inner retina 'b' waves are degraded. Optic nerve dysfunction is further confirmed by the degraded pattern and flash visual evoked potentials. Pattern visual evoked potentials evoked indicate an element of macular pathway sparing and potential for moderate to poor vision levels. Overall these responses indicate optic nerve dysfunction with an element of macular sparing.



Recording Details

Daniel was active but attended adequately to the pattern stimuli.

Pattern Electroretinogram

Pattern retinal responses are evident with recordable but degraded N95 components. These measured:

Check size	Rt P50	Rt N95	Lt P50	Lt N95
200'	5uV@49ms	2uV@70ms	5uV@46ms	6uV@90ms
100'	6uV@47ms	no response	3uV@49ms	no response
50'	3uV@48ms	no response	4uV@52ms	no response

Flash Electroretinogram

Flash retinal responses are evident for both rod and cone mediated stimuli. 'a' wave amplitude and time to peak are within normal limits while 'b' waves are reduced in amplitude with mixed rod/cone responses approaching negative in morphology.

Visual evoked potentials

Pattern reversal VEPs are degraded but evident to a range of test checks during binocular testing. These were symmetrical across the midline measuring:

Size	BEO	RE	LE
200'	11uV@108ms	7uV@121ms	8uV@101ms
100'	7uV@103ms	2uV@105ms	variable
50'	6uV@110ms	3uV@118ms	2uV@118ms
25'	variable		

Flash VEPs are evident for each eye but degraded.

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