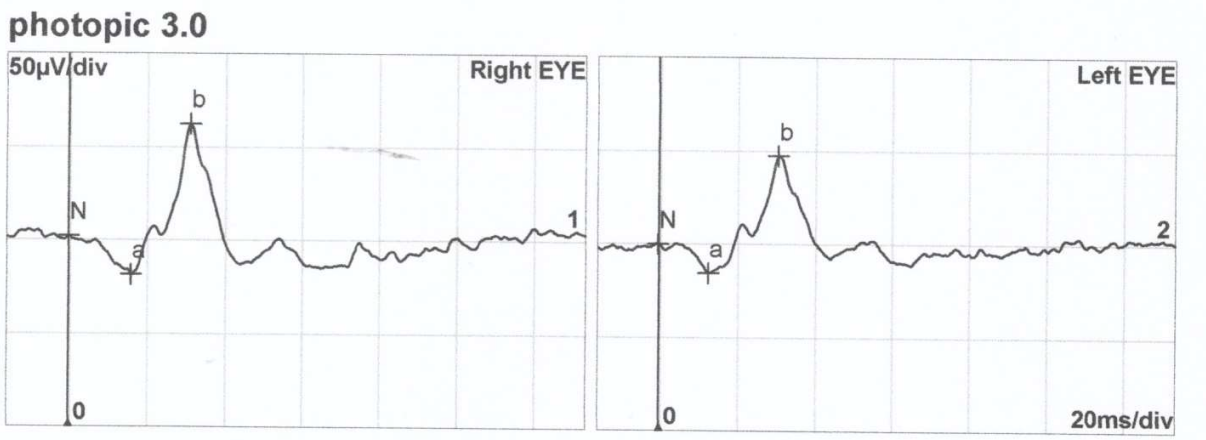
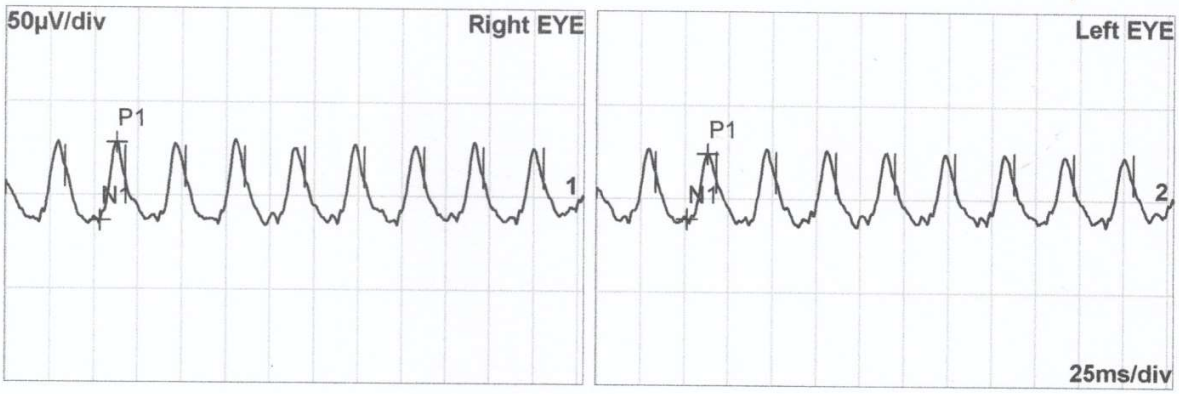
SUPPLEMENTARY FIGURES II.
Electrophysiology



Channel	a [ms]	b [ms]	a-wave	b-wave
1 R-1	16	31	20,6µV	81µV
2 L-2	13	31	15,5µV	63,2µV
Normals	-	-		



Channel	N1 [ms]	P1 [ms]	N1-P1
1 R-1	54	64	41,5µV
2 L-2	52	64	35µV

Figure S22. Standard full-field ERG recording of patient III/3.

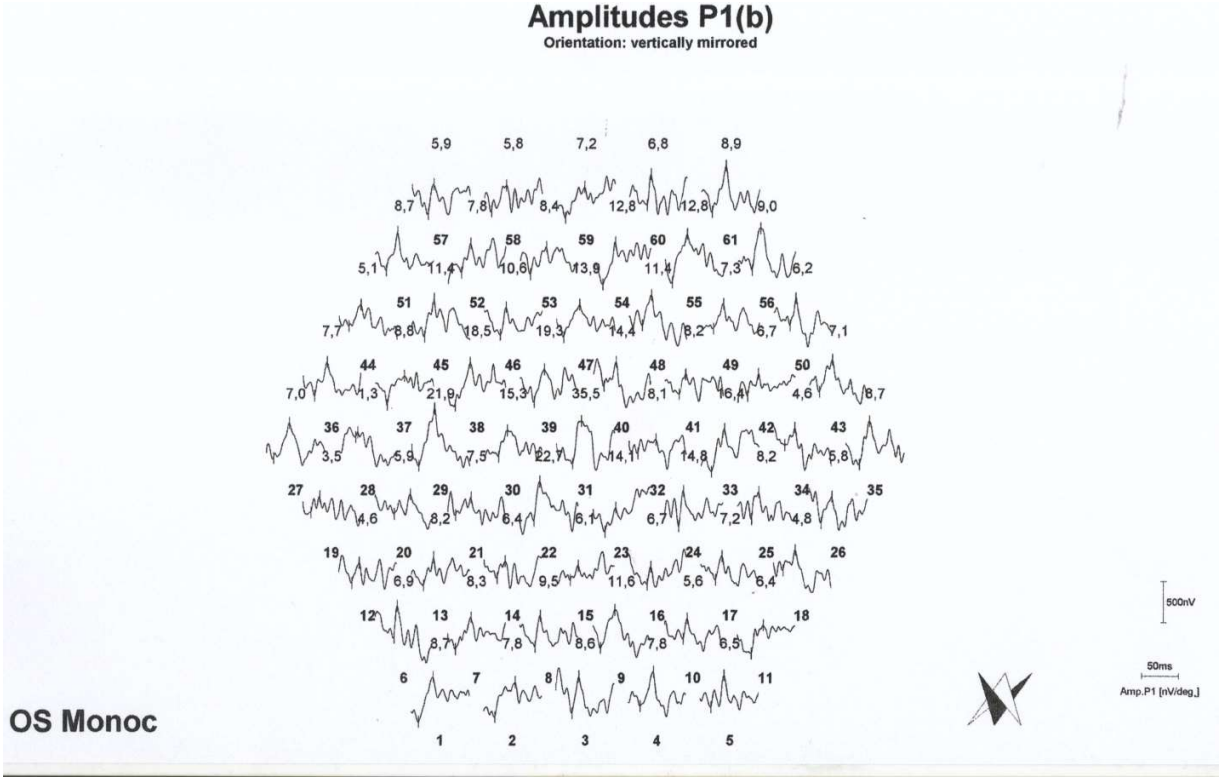


Figure S23. mfERG recording of patient III/3, OS.

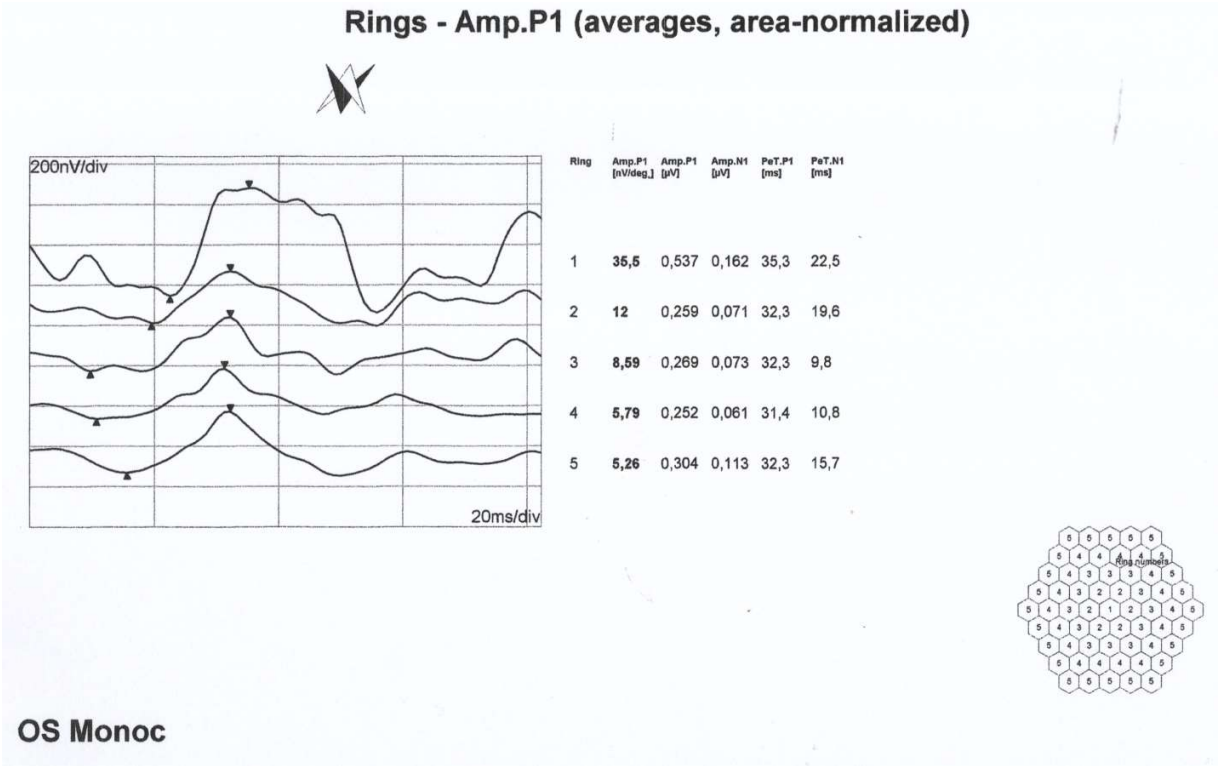


Figure S24. mfERG ring analysis of patient III/3, OS.

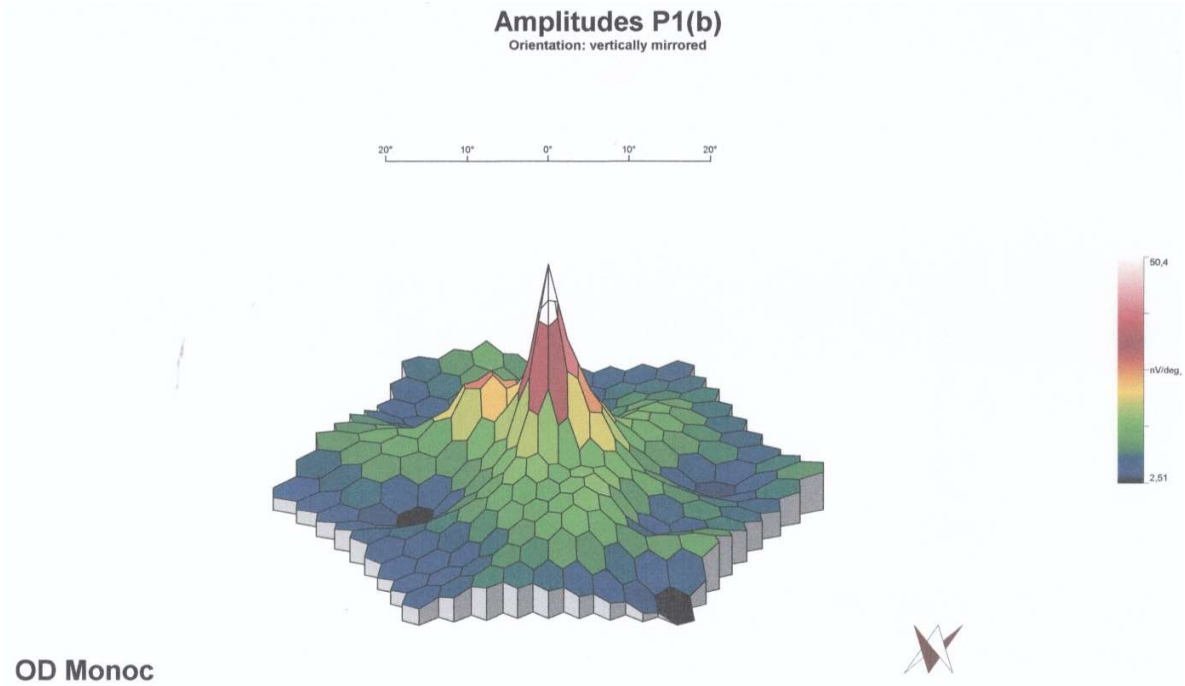


Figure S25. Multifocal ERG 3 D colour map of III/3 carrier male right eye displays overall normal central macular function with scarce subnormal responses only.

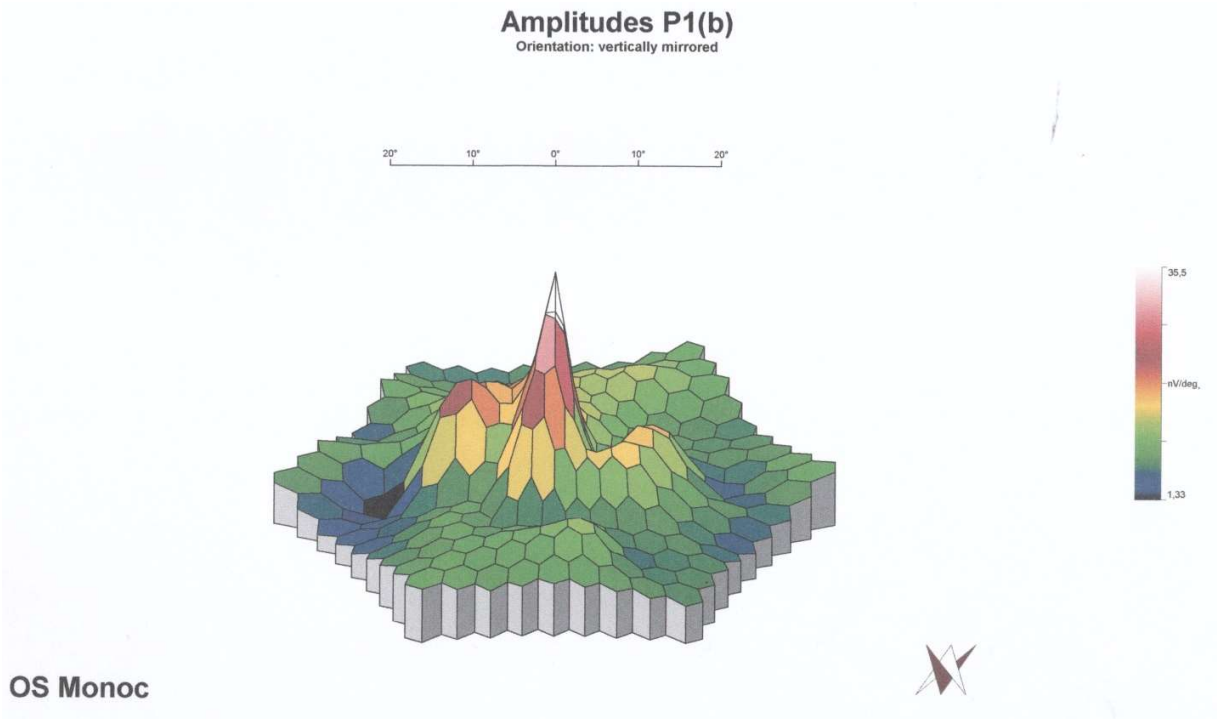


Figure S26. Multifocal ERG 3 D colour map of III/3 carrier male, left eye displays overall normal central macular function with scarce subnormal responses only.

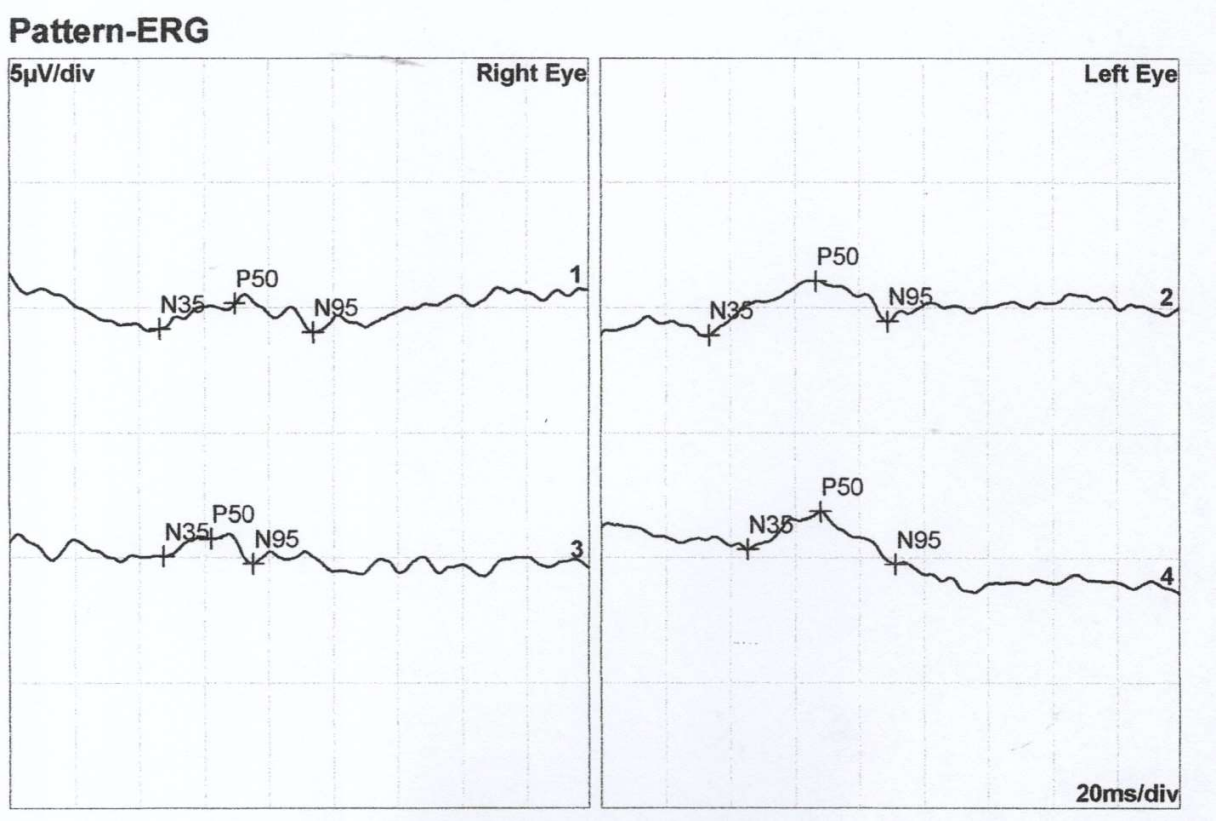


Figure S27. PERG recording of patient III/8. Lines 1 and 3 and lines 2 and 4 represent pairs of replicate measurements.

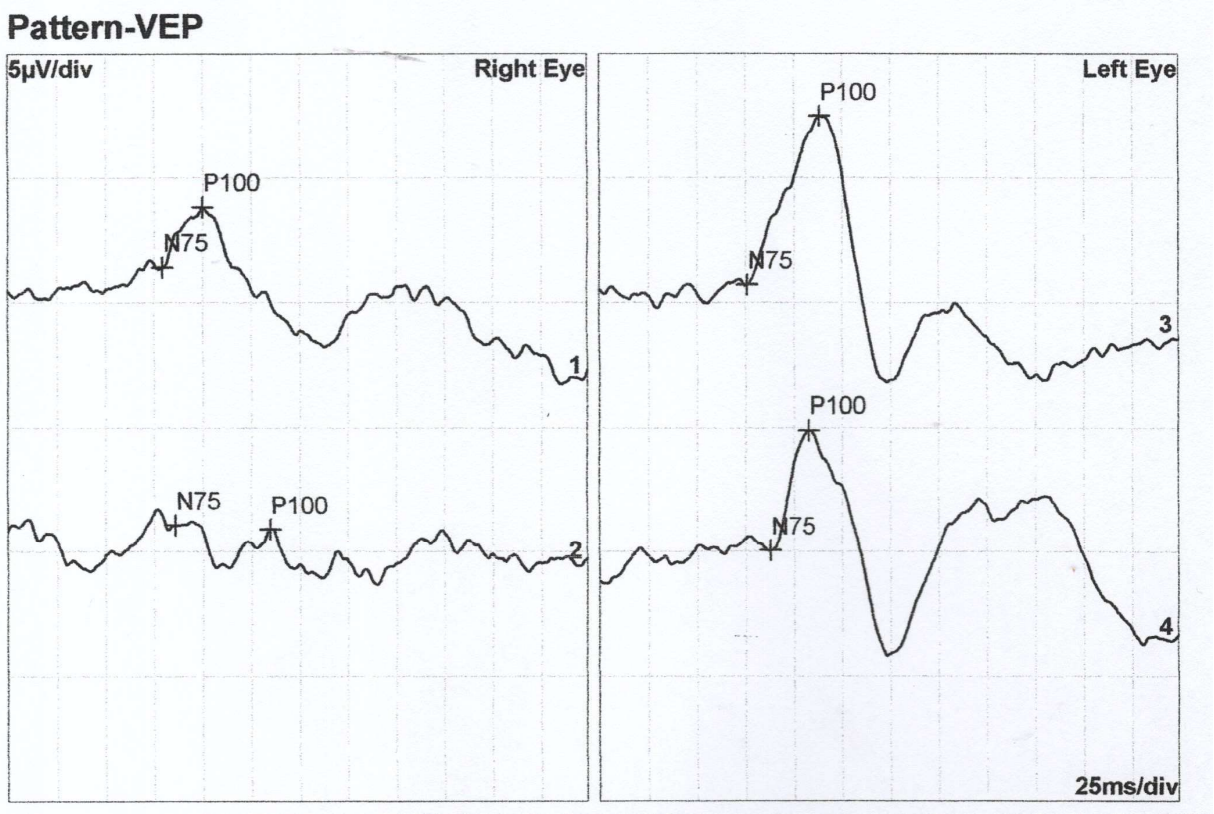


Figure S28. pVEP recording of patient III/8. Lines 1 and 3 display responses to 60' stimuli and lines 2 and 4 represent responses to 15' stimuli.

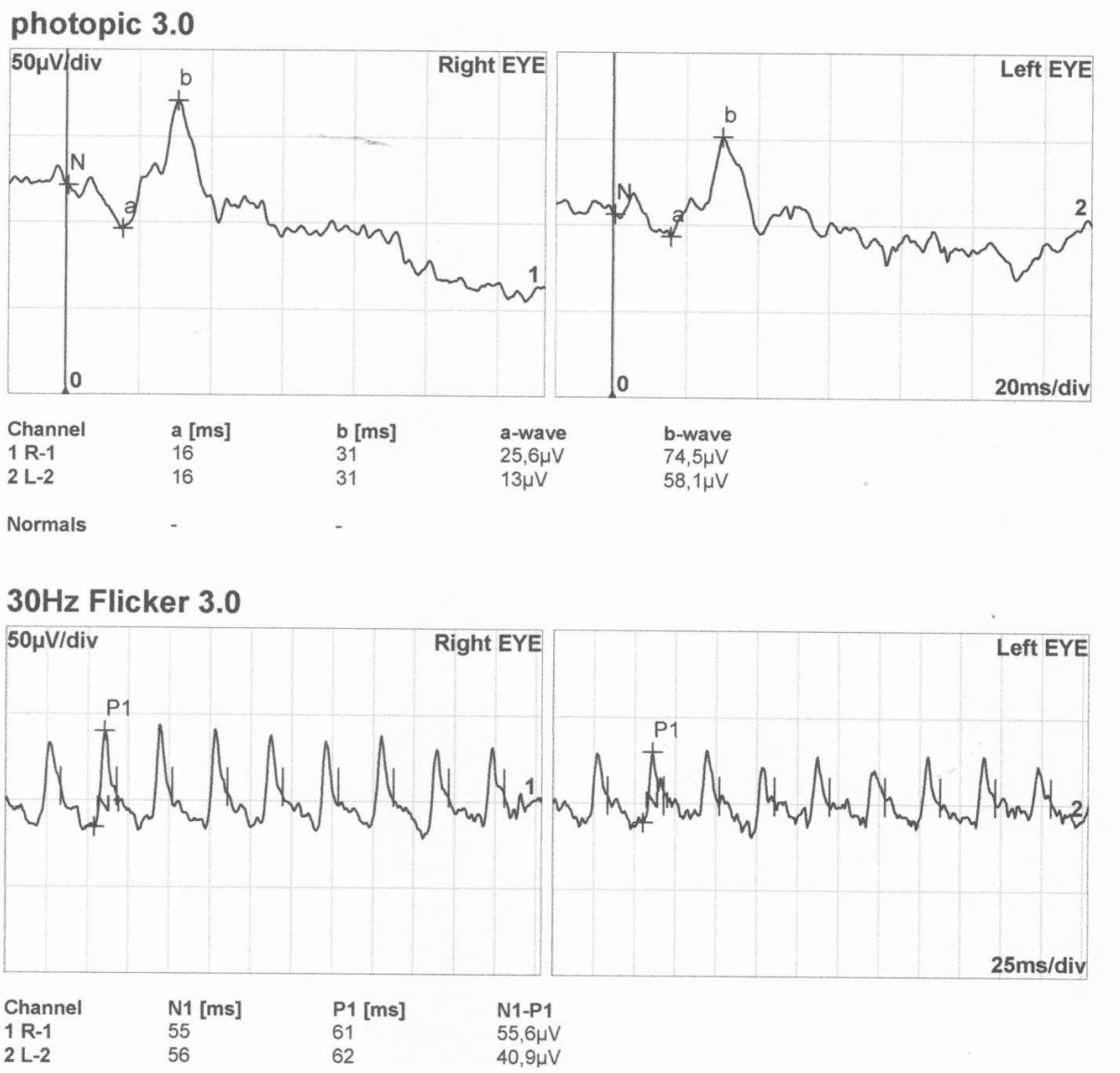


Figure S29. Standard full-field ERG recording of patient IV/1.

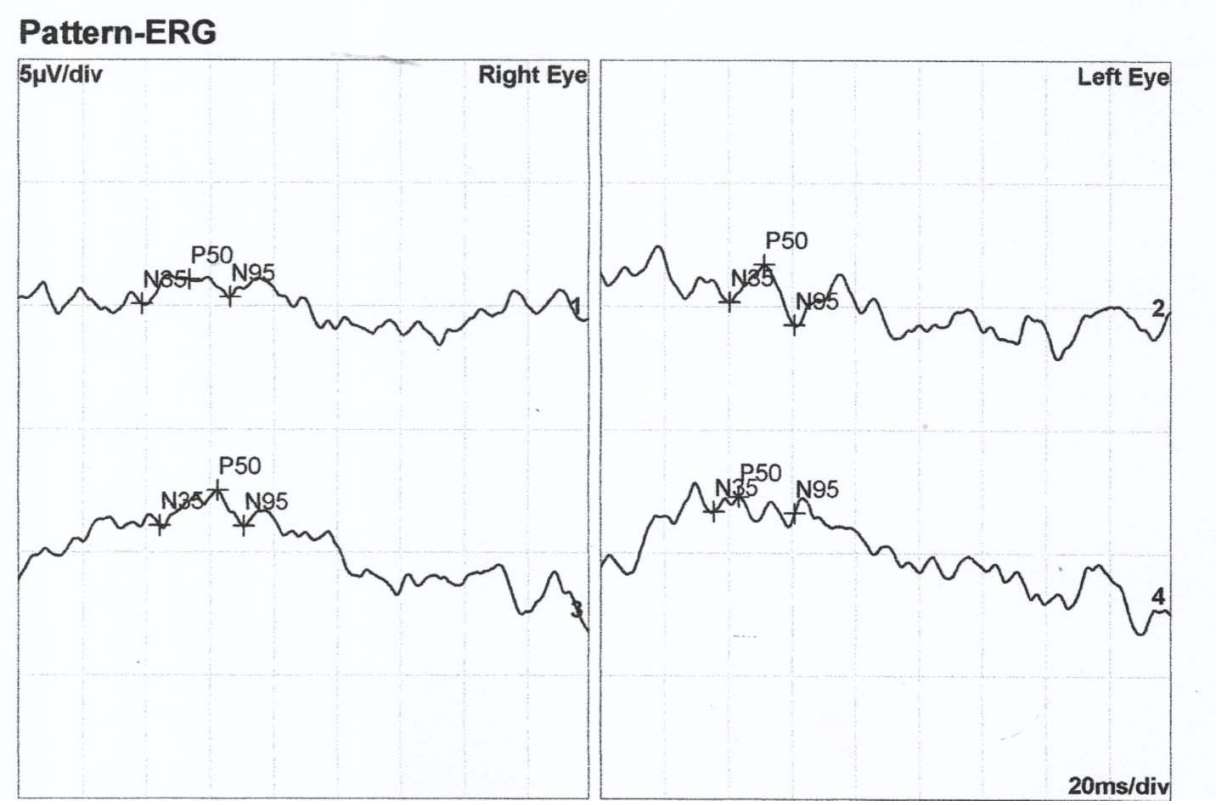


Figure S30. PERG recording of patient IV/1. Lines 1 and 3 and lines 2 and 4 represent pairs of replicate measurements.

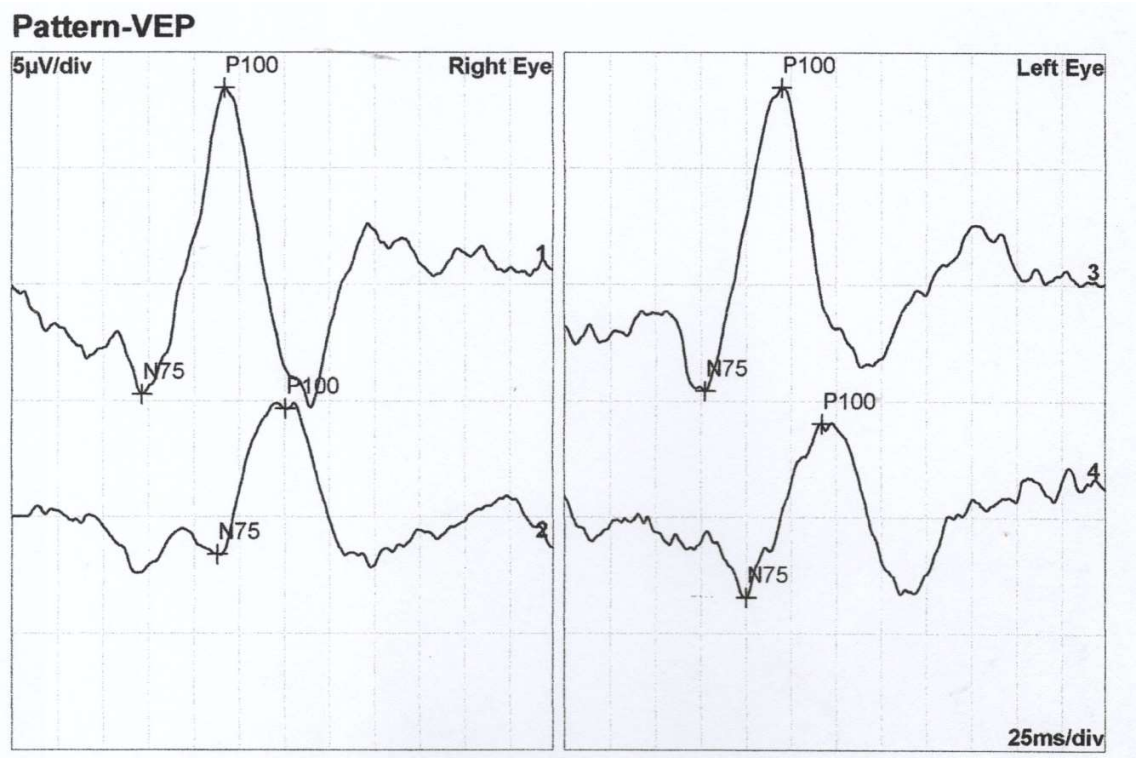


Figure S31. pVEP recording of patient IV/1. Lines 1 and 3 display responses to 60' stimuli and lines 2 and 4 represent responses to 15' stimuli.

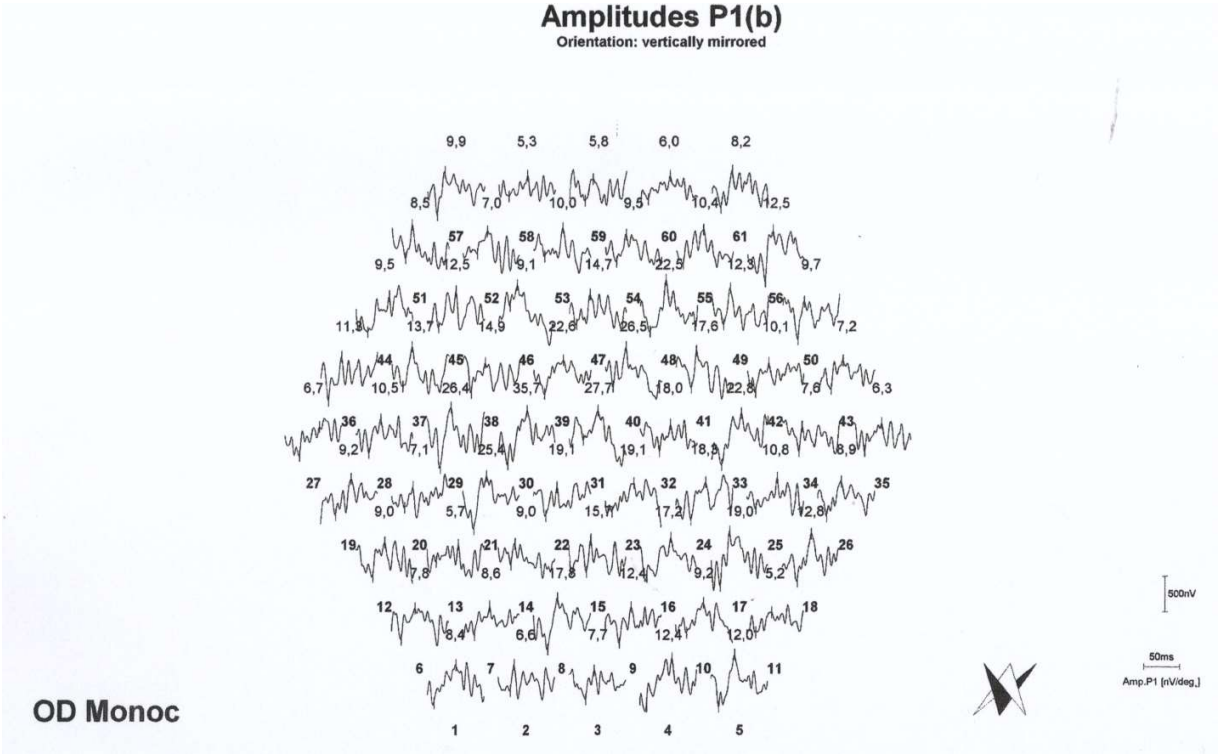


Figure S32. mfERG recording of patient IV/1, OD.

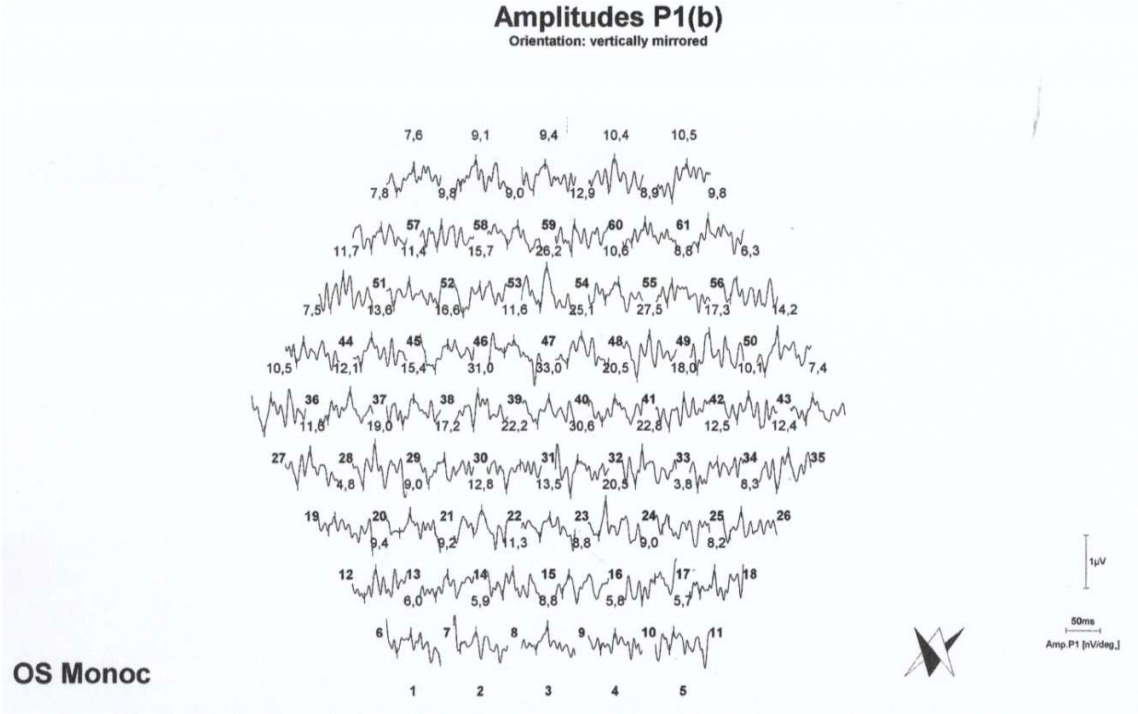


Figure S33. mfERG recording of patient IV/1,, OS.

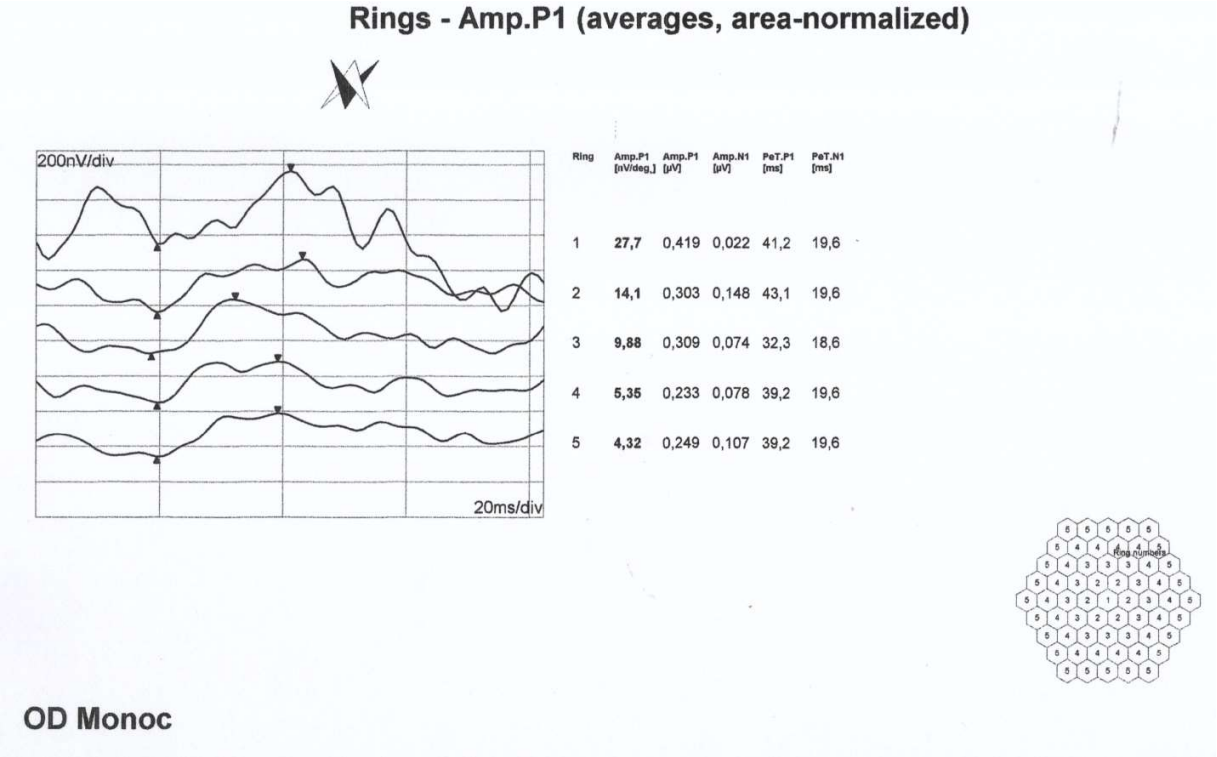


Figure S34. mfERG ring analysis of patient IV/1, OD.

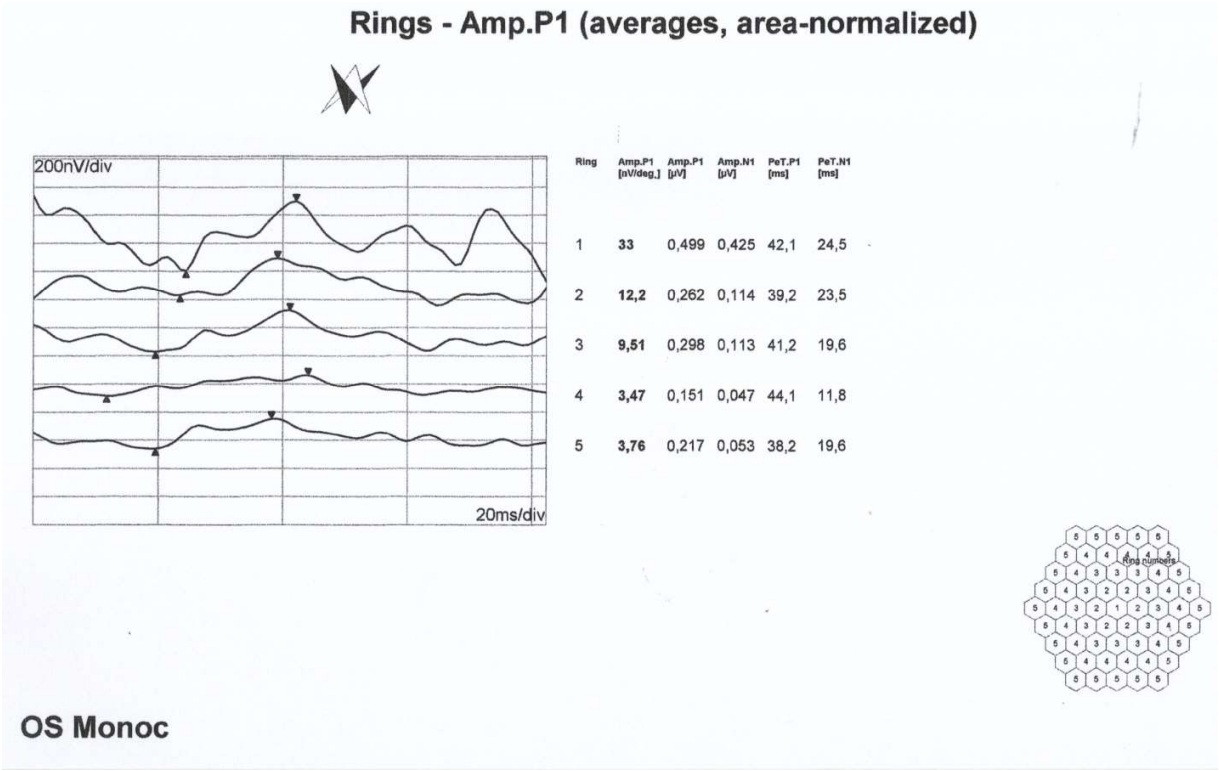


Figure S35. mfERG ring analysis of patient IV/1, OS.

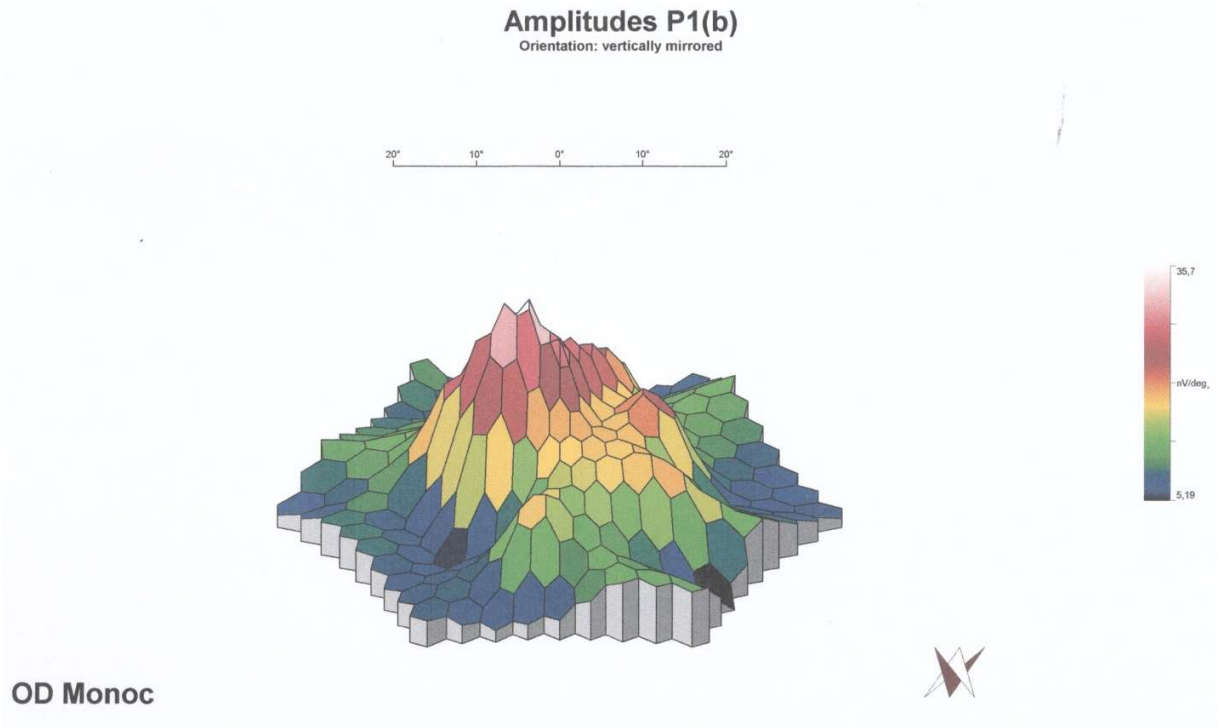


Figure S36. Multifocal ERG 3 D colour map of patient IV/1, OD

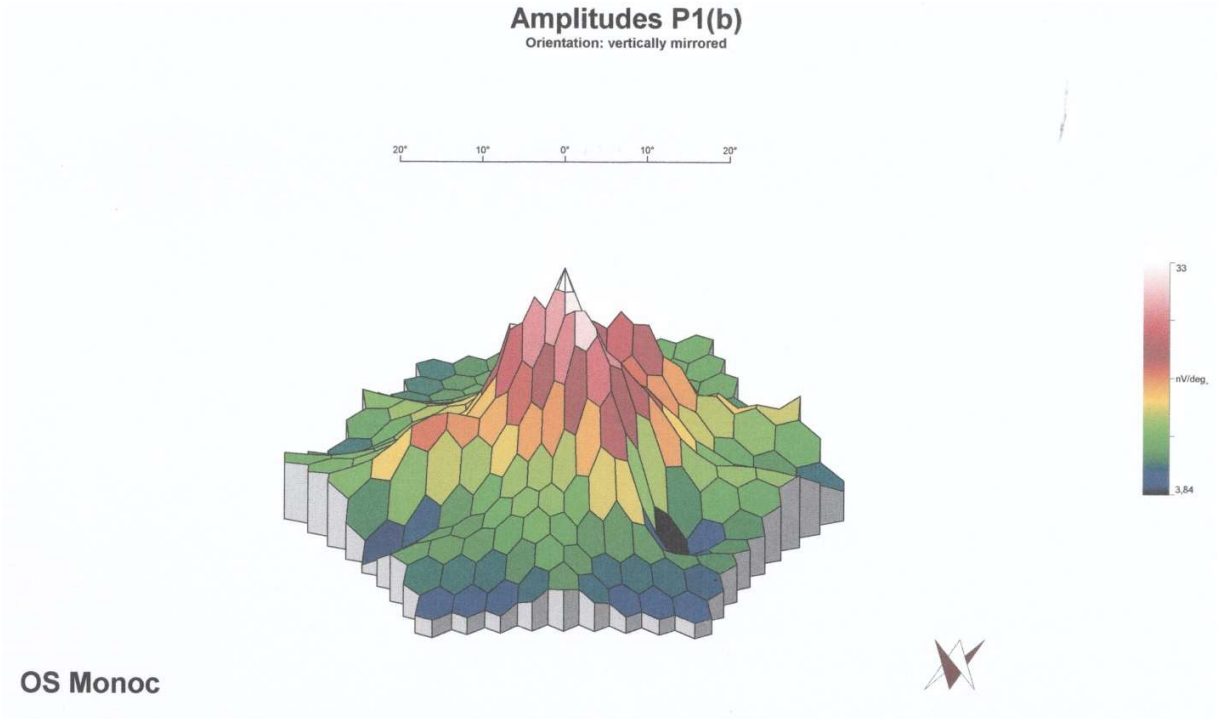


Figure S37. Multifocal ERG 3 D colour map of patient IV/1, OS

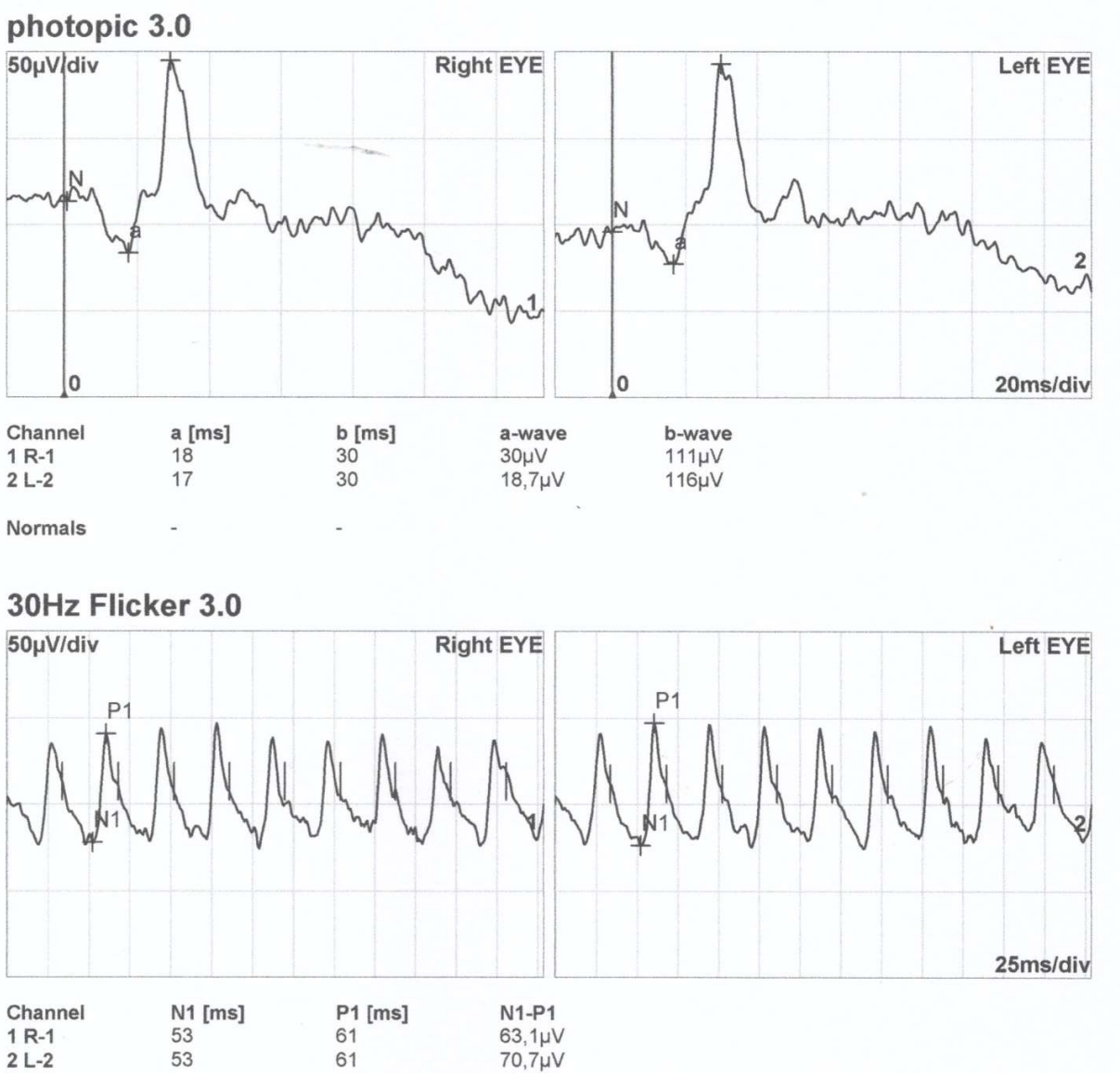


Figure S38. Standard full-field ERG recording of patient IV/2.

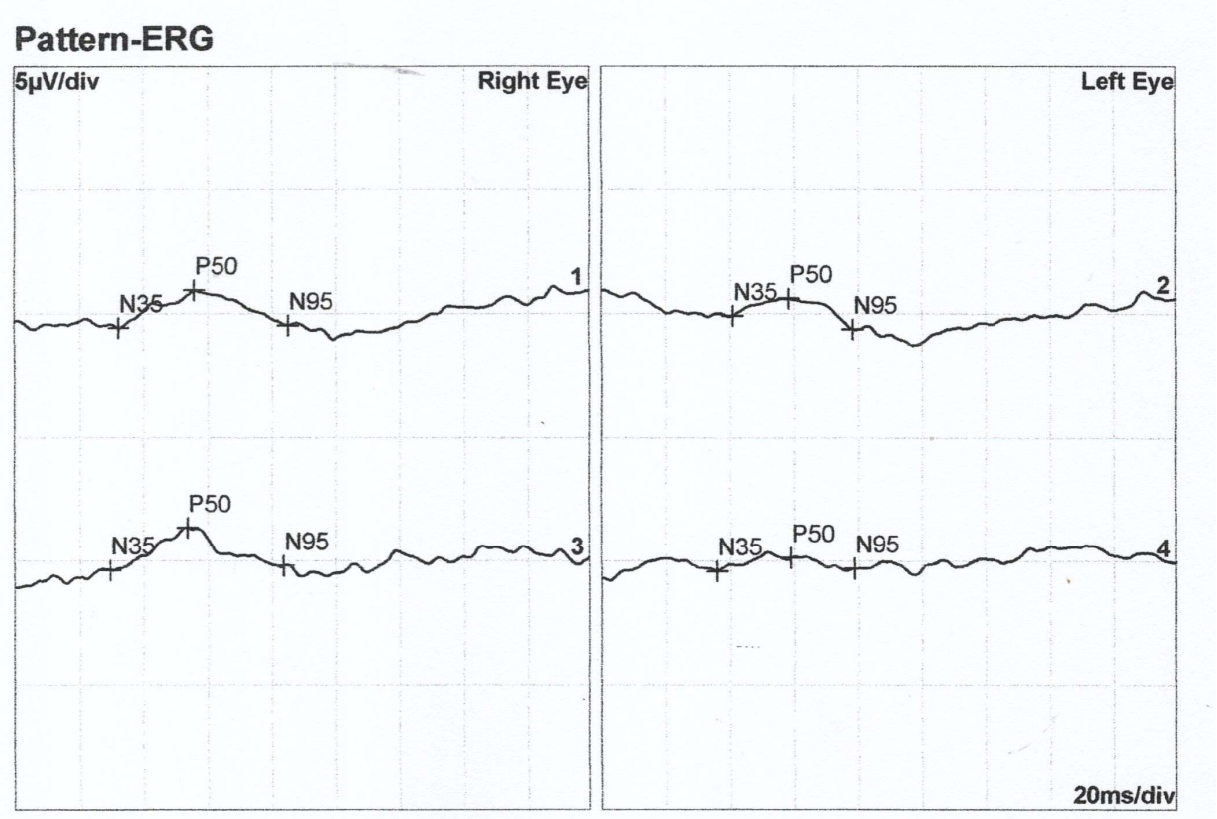


Figure S39. PERG recording of patient IV/2. Lines 1 and 3 and lines 2 and 4 represent pairs of replicate measurements.

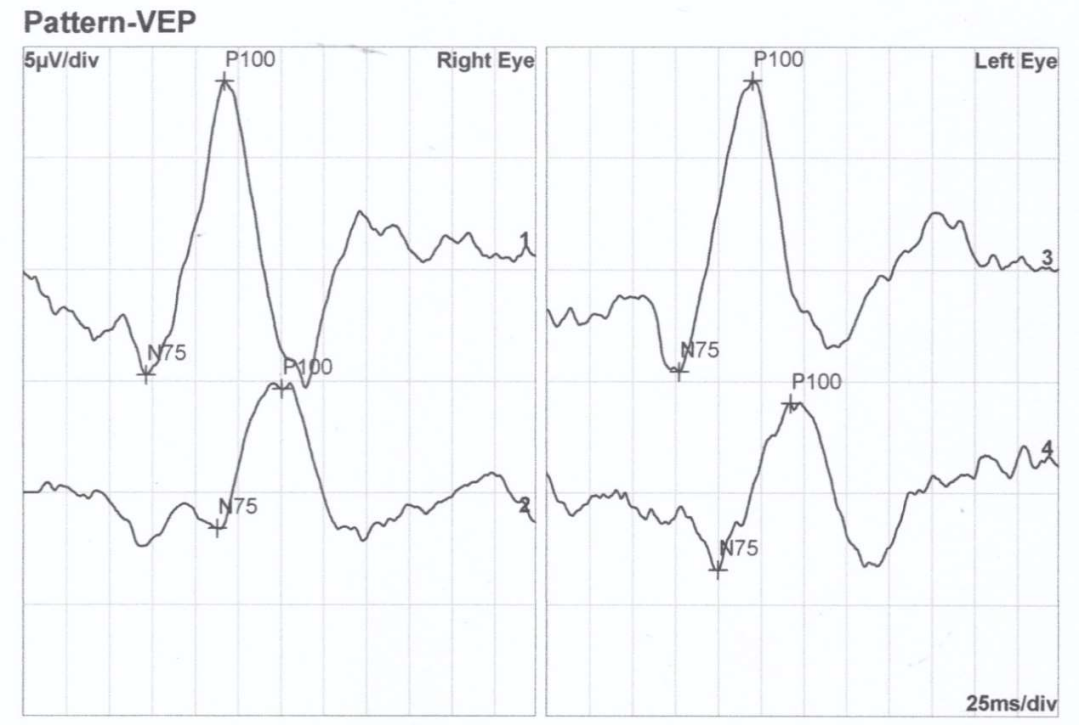


Figure S40. pVEP recording of patient IV/2. Lines 1 and 3 display responses to 60' stimuli and lines 2 and 4 represent responses to 15' stimuli.

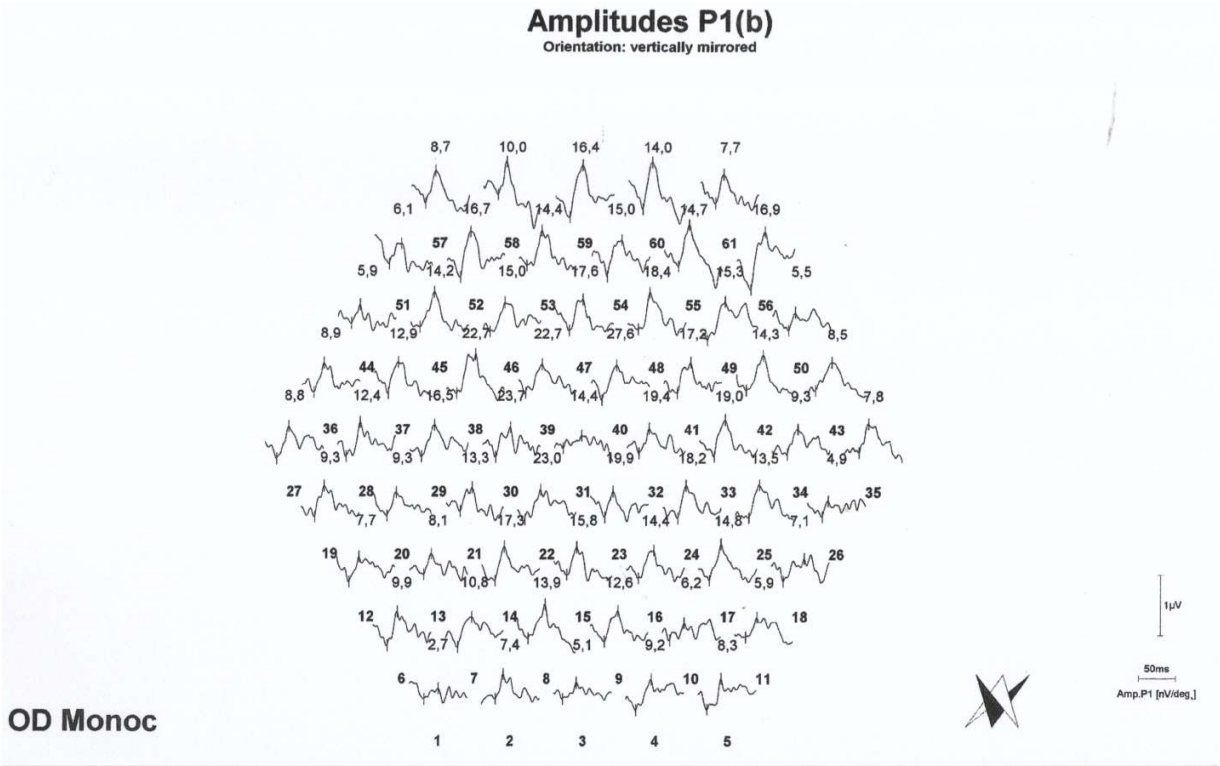


Figure S41. mfERG recording of patient IV/2, OD.

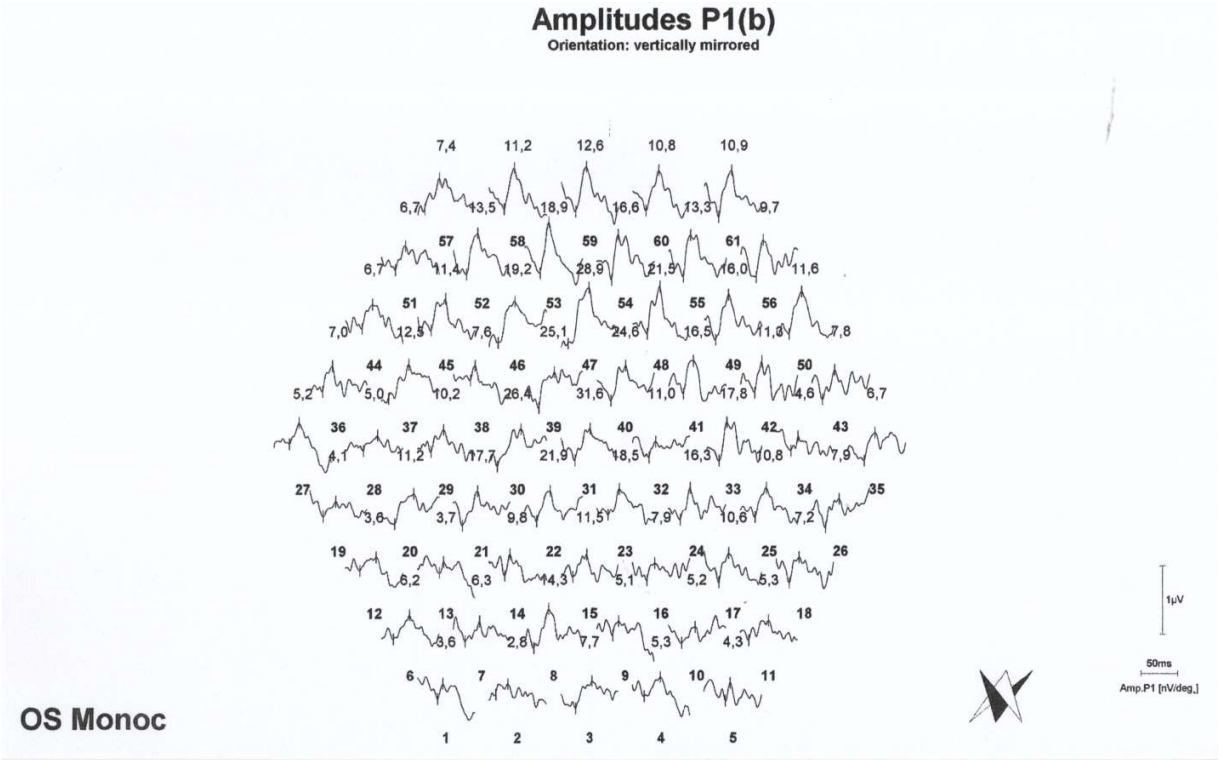
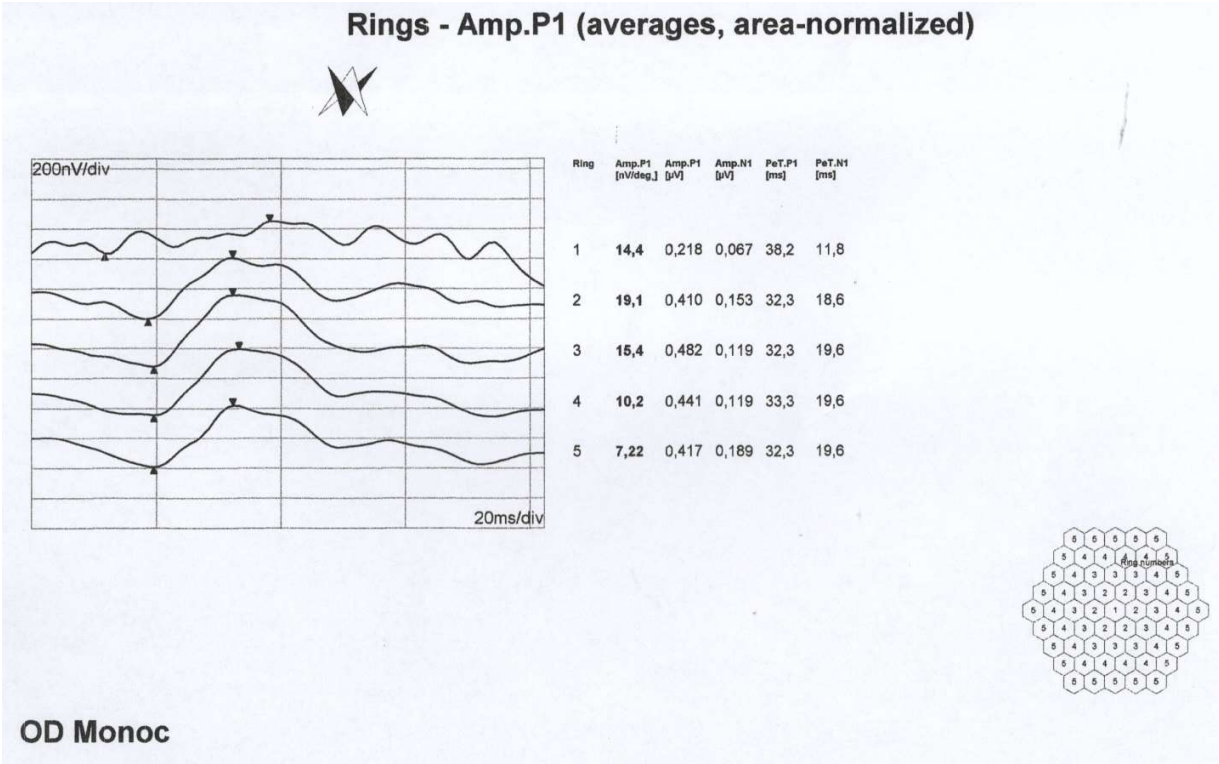
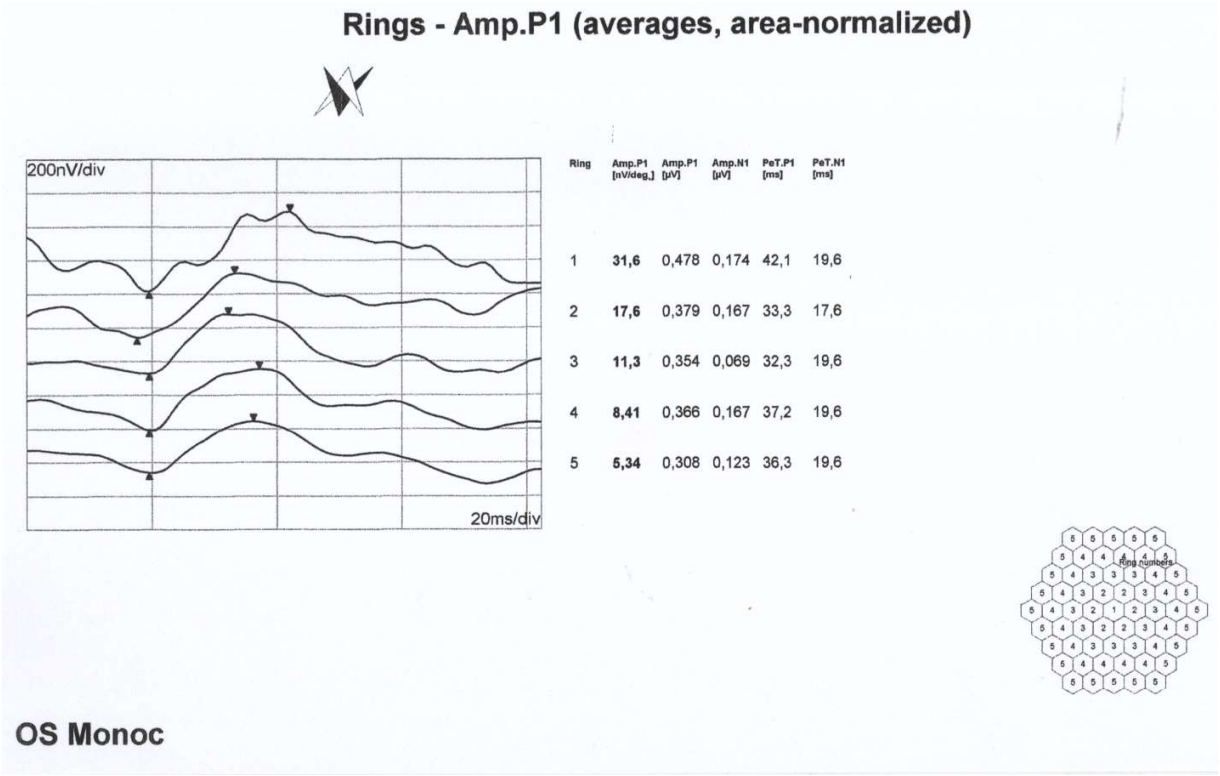


Figure S42. mfERG recording of patient IV/2, OS.



Ring	Amp.P1 [nV/deg.]	Amp.P1 [µV]	Amp.N1 [µV]	PeT.P1 [ms]	PeT.N1 [ms]
1	**14,4**	0,218	0,067	38,2	11,8
2	**19,1**	0,410	0,153	32,3	18,6
3	**15,4**	0,482	0,119	32,3	19,6
4	**10,2**	0,441	0,119	33,3	19,6
5	**7,22**	0,417	0,189	32,3	19,6

Figure S43. mfERG ring analysis of patient IV/2, OD.



Ring	Amp.P1 [nV/deg.]	Amp.P1 [µV]	Amp.N1 [µV]	PeT.P1 [ms]	PeT.N1 [ms]
1	**31,6**	0,478	0,174	42,1	19,6
2	**17,6**	0,379	0,167	33,3	17,6
3	**11,3**	0,354	0,069	32,3	19,6
4	**8,41**	0,366	0,167	37,2	19,6
5	**5,34**	0,308	0,123	36,3	19,6

Figure S44. mfERG ring analysis of patient IV/2, OS.

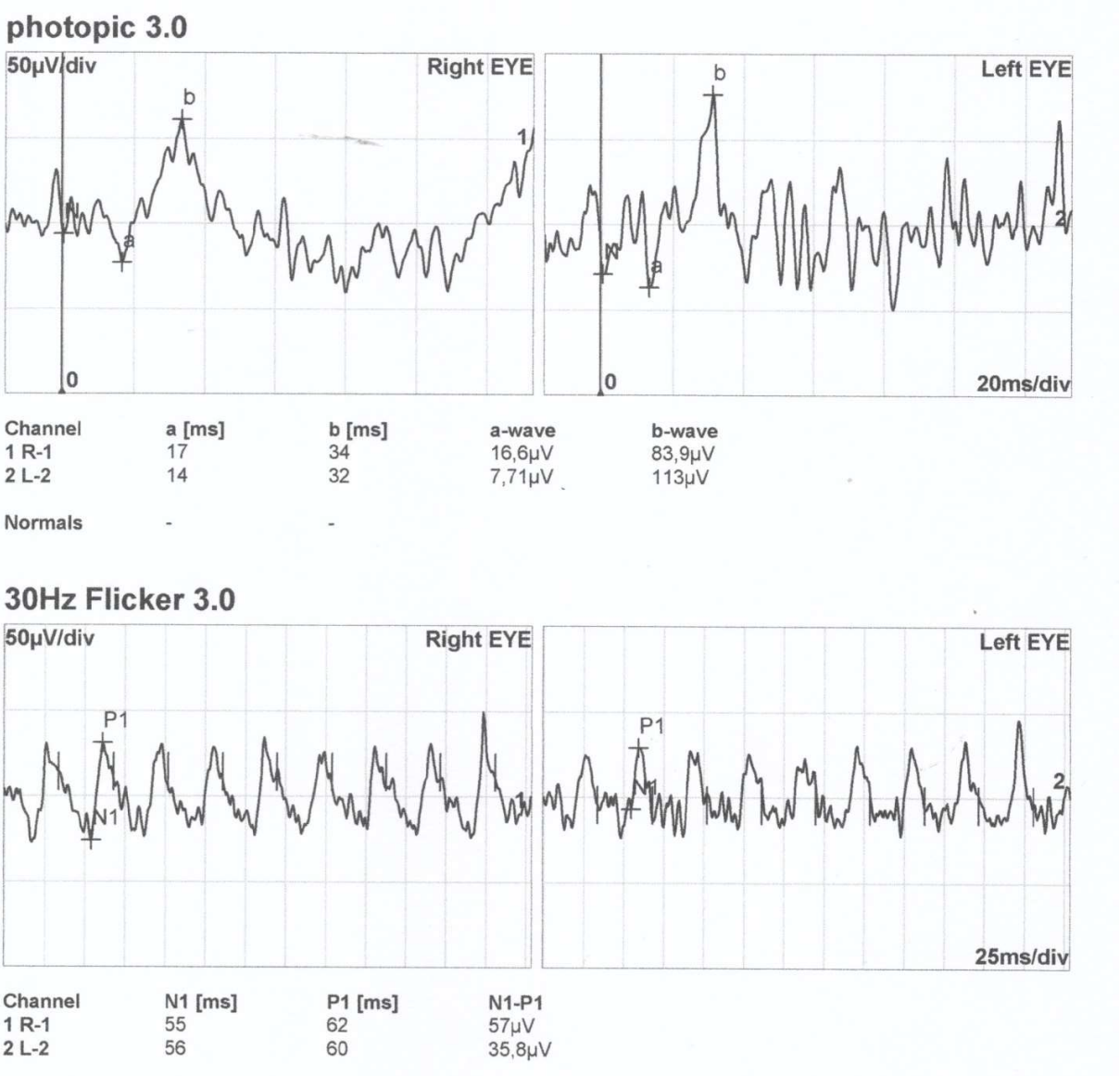


Figure S45. Standard full-field ERG recording of patient IV/6.

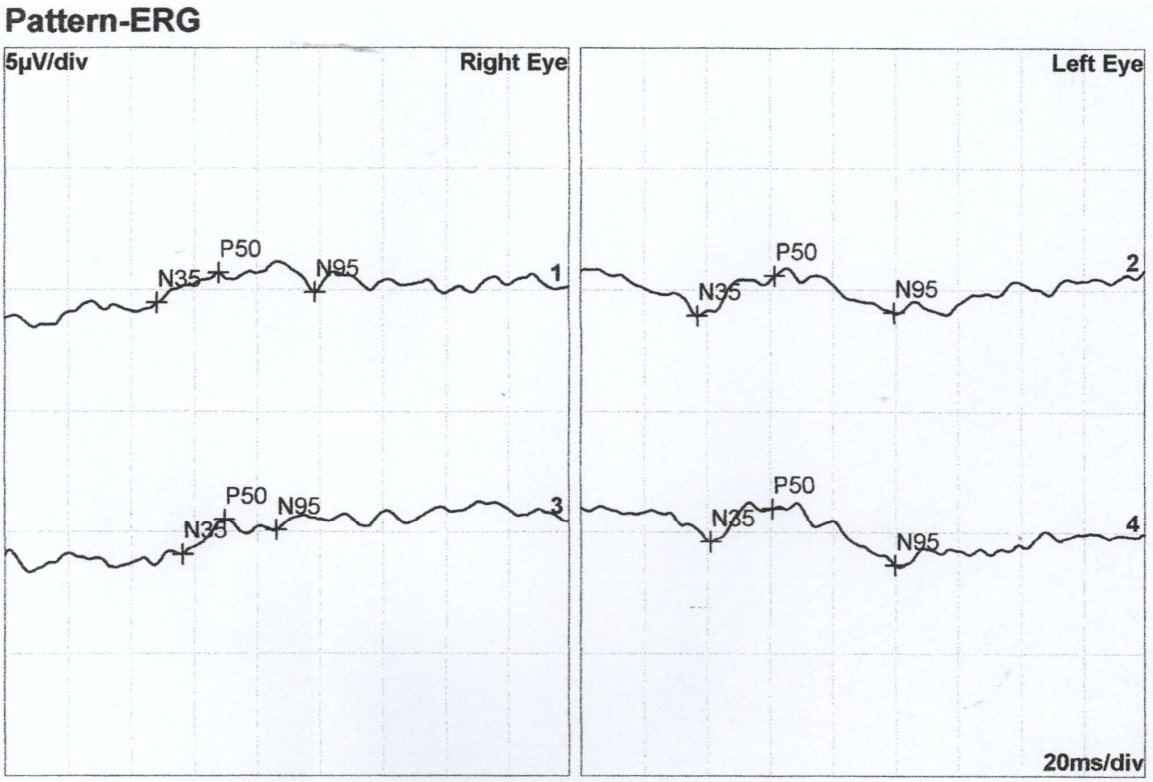


Figure S46. PERG recording of patient IV/6. Lines 1 and 3 and lines 2 and 4 represent pairs of replicate measurements.

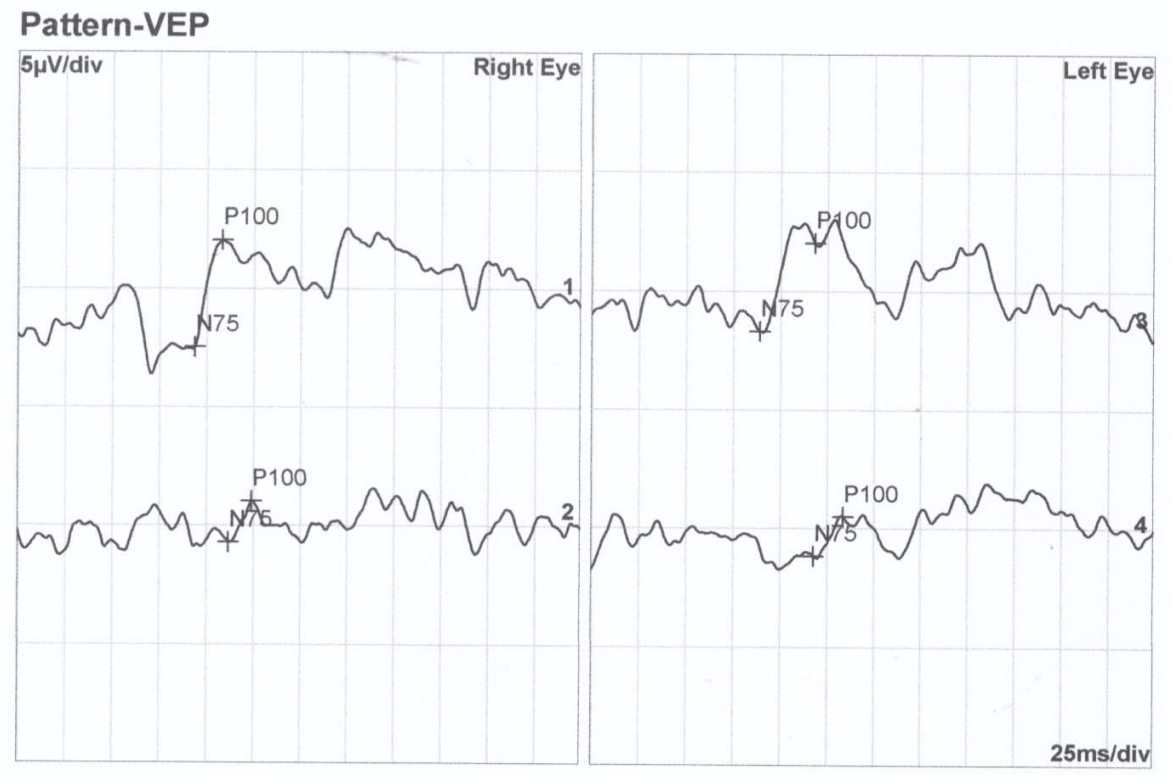


Figure S47. pVEP recording of patient IV/6. Lines 1 and 3 display responses to 60' stimuli and lines 2 and 4 represent responses to 15' stimuli.

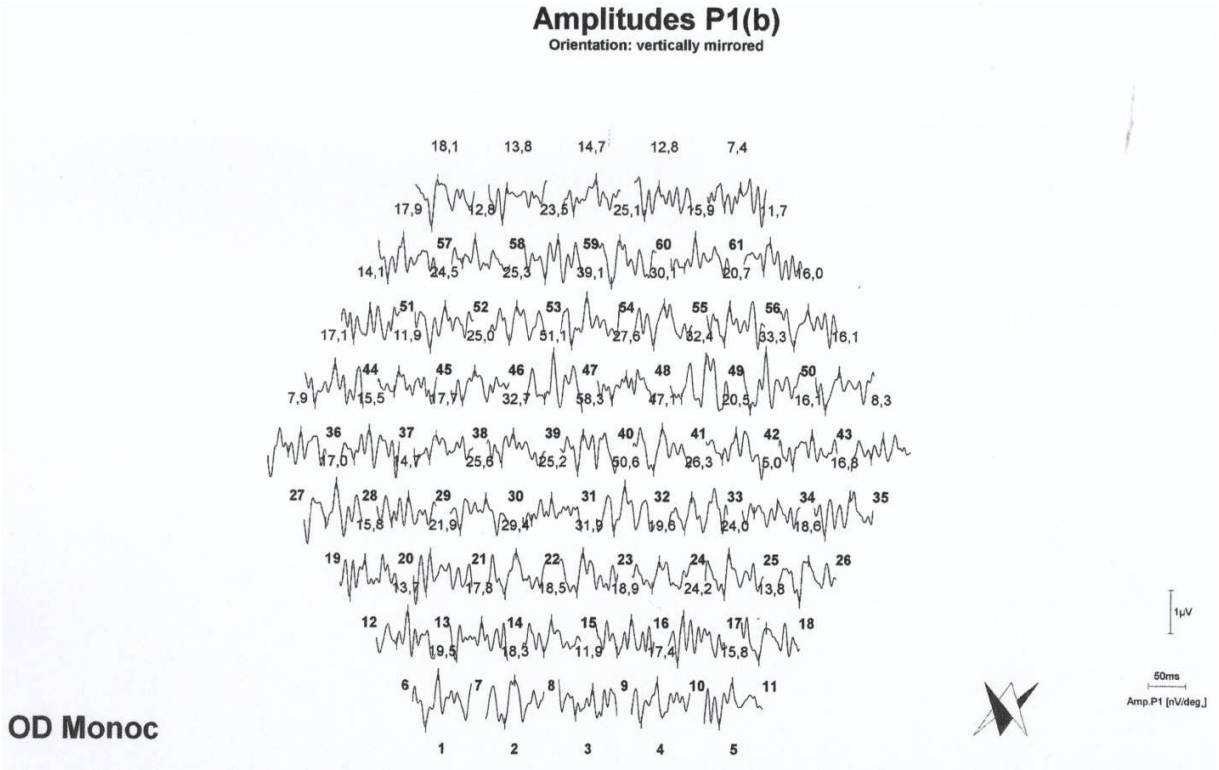


Figure S48. mfERG recording of patient IV/6, OD.

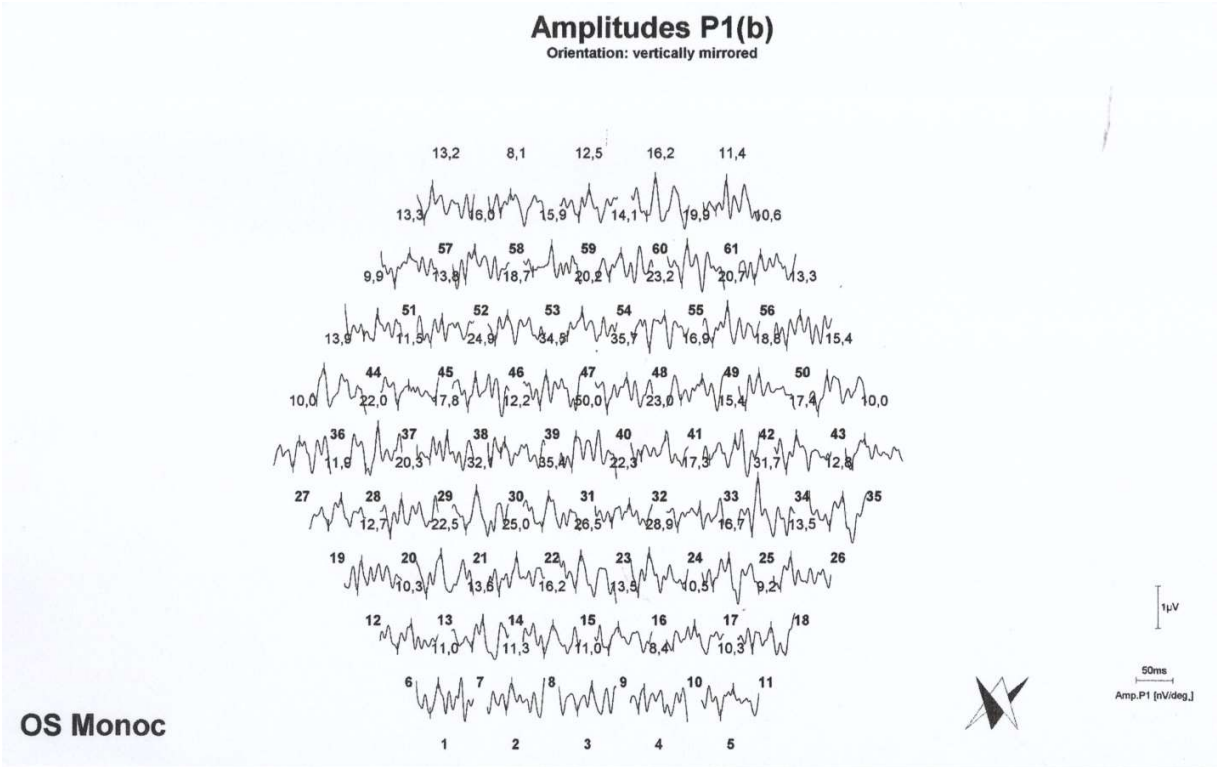
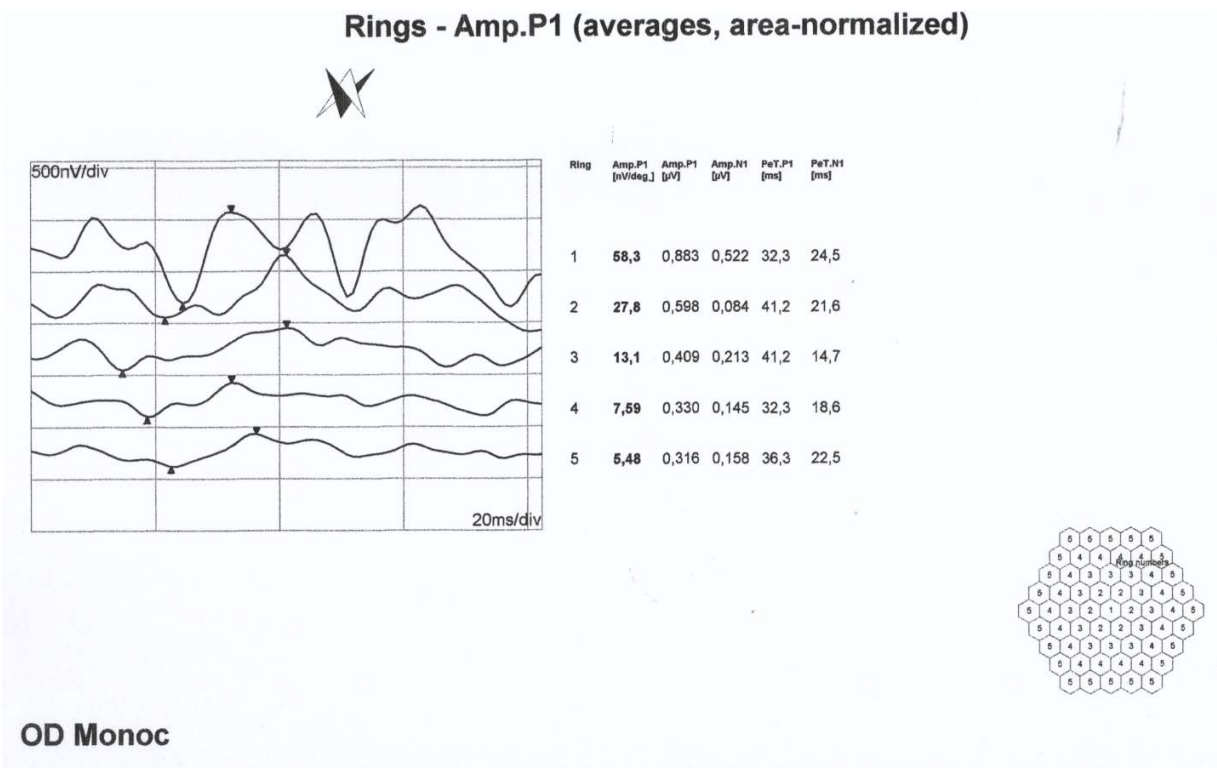
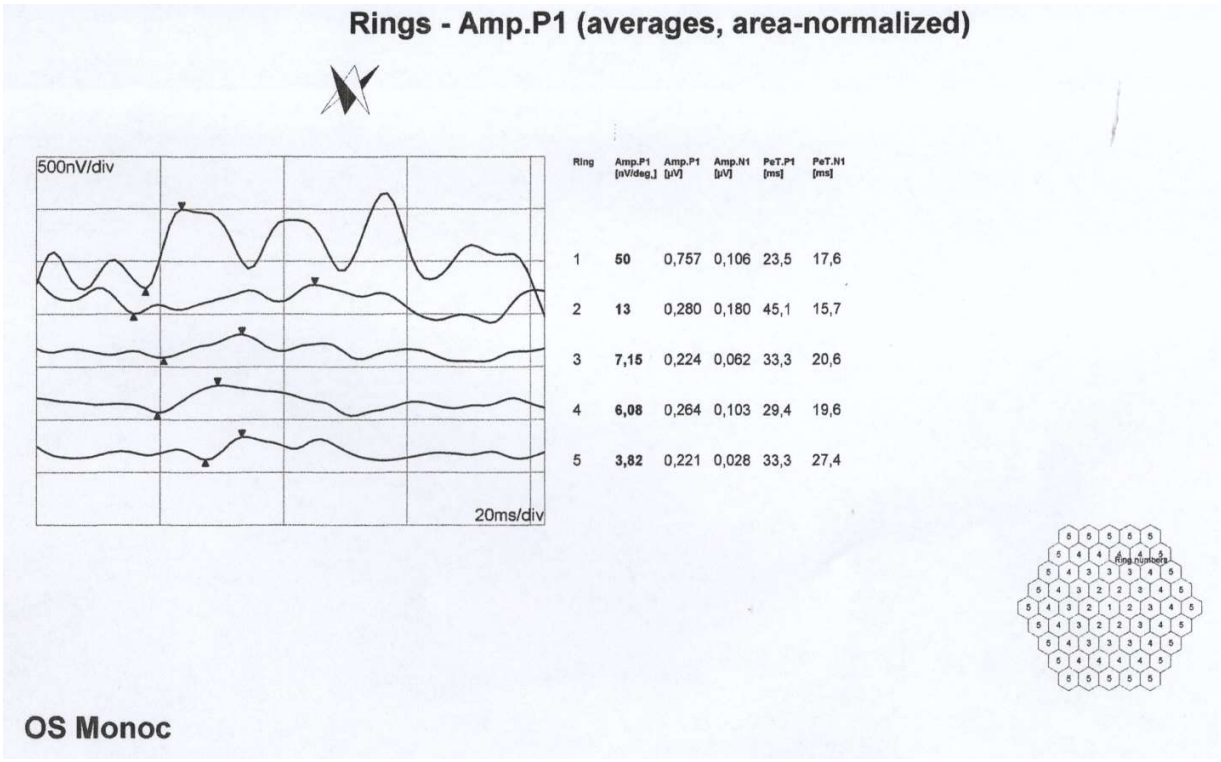


Figure S49. mfERG recording of patient IV/6, OS.



Ring	Amp.P1 [nV/deg.]	Amp.P1 [µV]	Amp.N1 [µV]	PeT.P1 [ms]	PeT.N1 [ms]
1	**58,3**	0,883	0,522	32,3	24,5
2	**27,8**	0,598	0,084	41,2	21,6
3	**13,1**	0,409	0,213	41,2	14,7
4	**7,59**	0,330	0,145	32,3	18,6
5	**5,48**	0,316	0,158	36,3	22,5

Figure S50. mfERG ring analysis of patient IV/6, OD.



Ring	Amp.P1 [nV/deg.]	Amp.P1 [µV]	Amp.N1 [µV]	PeT.P1 [ms]	PeT.N1 [ms]
1	**50**	0,757	0,106	23,5	17,6
2	**13**	0,280	0,180	45,1	15,7
3	**7,15**	0,224	0,062	33,3	20,6
4	**6,08**	0,264	0,103	29,4	19,6
5	**3,82**	0,221	0,028	33,3	27,4

Figure S51. mfERG ring analysis of patient IV/6, OS.

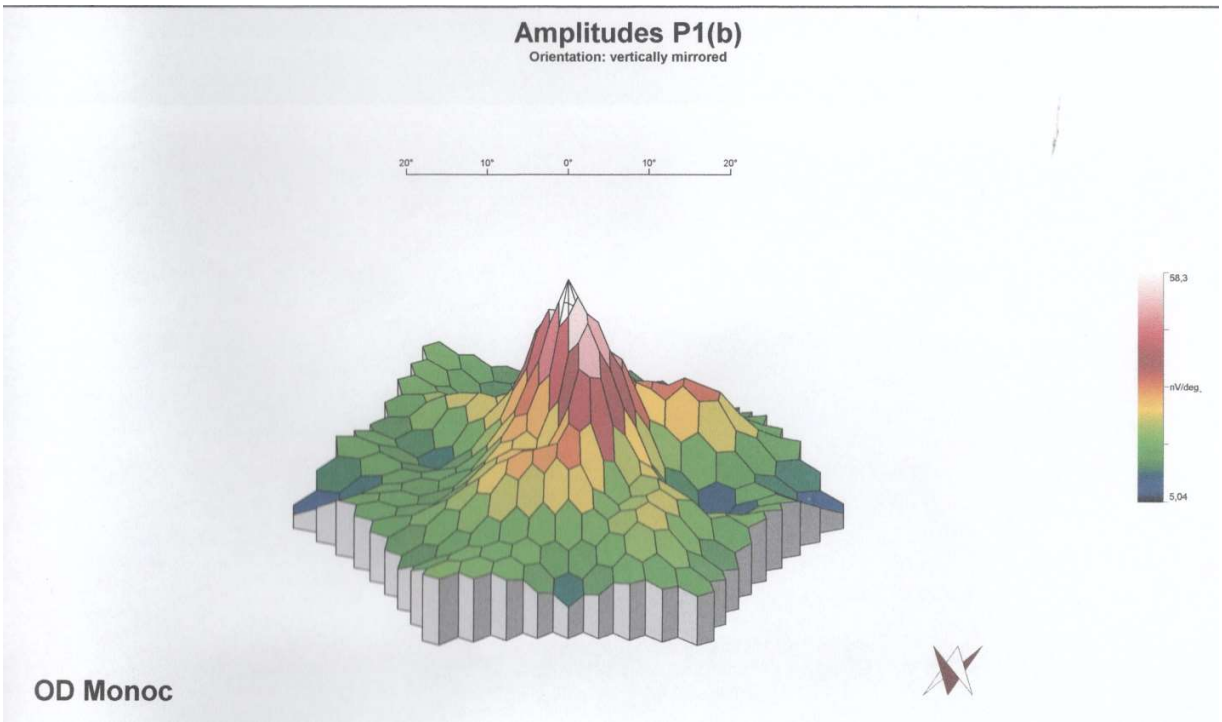


Figure S52. Multifocal ERG 3 D colour map of patient IV/6 severely myopic affected female right eye displays extensive subnormal responses within the whole central 30 degrees.

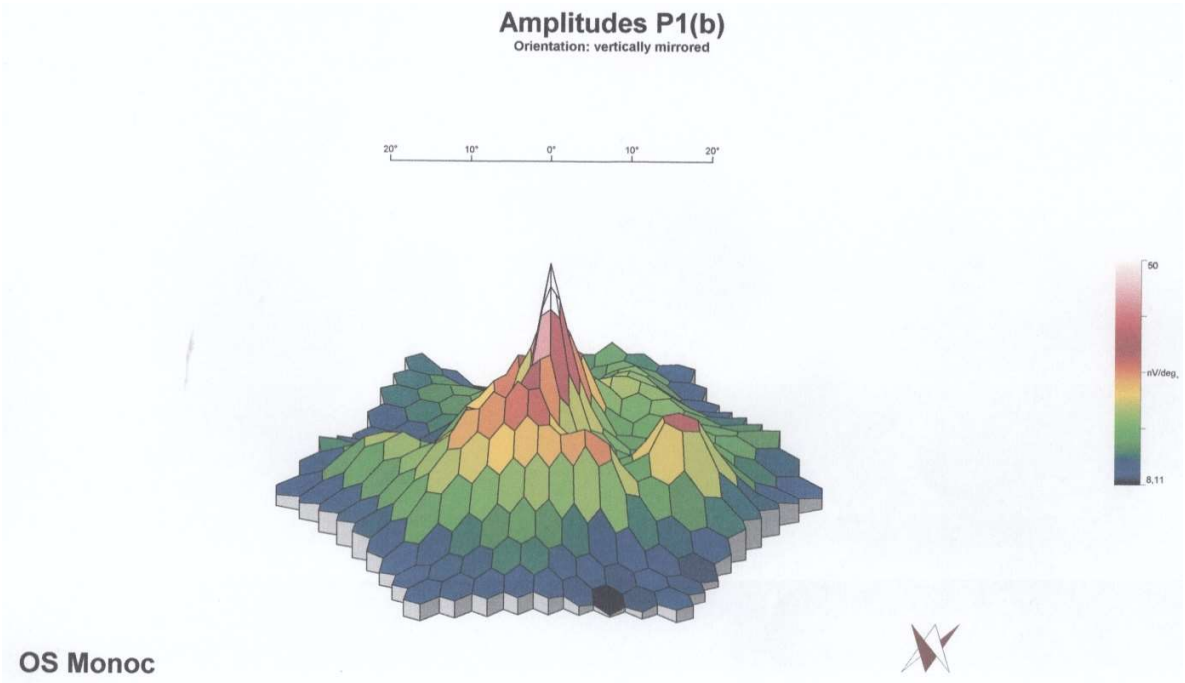


Figure S53. Multifocal ERG 3 D colour map of IV/6 severely myopic affected female left eye displays extensive subnormal responses within the whole central 30 degrees.

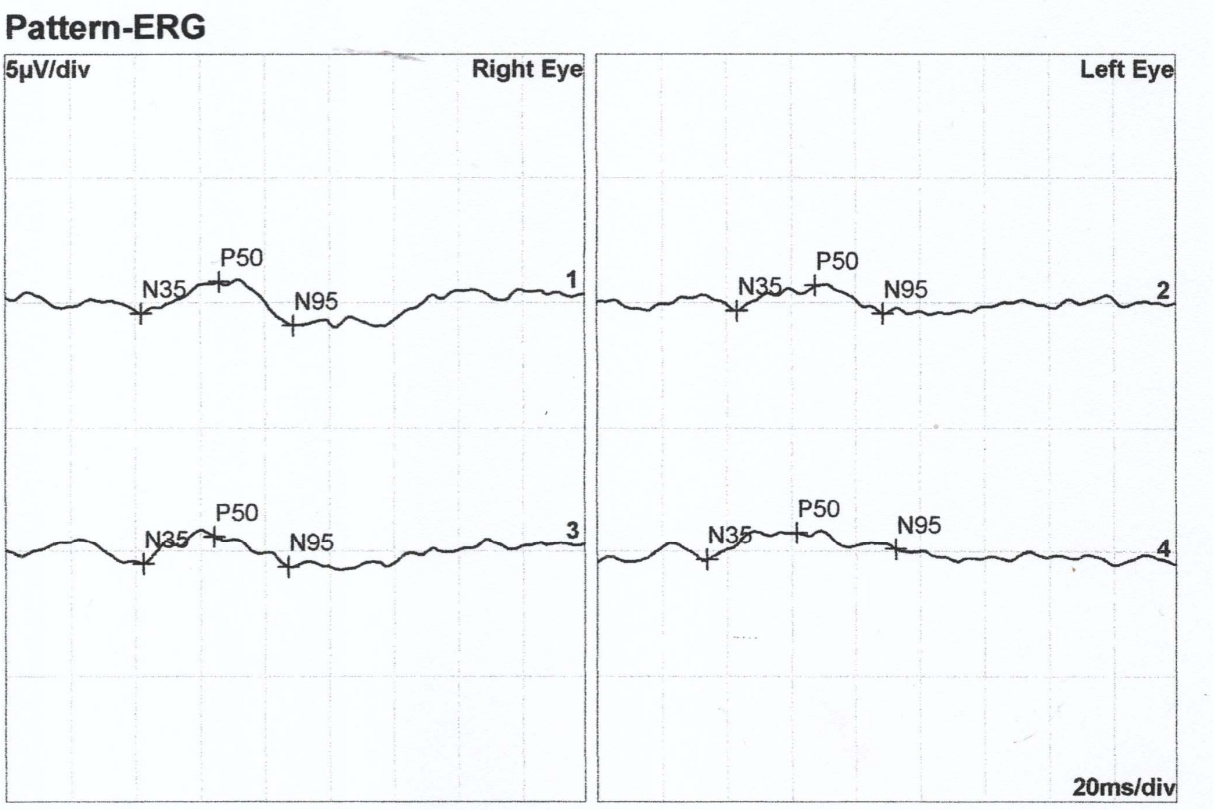


Figure S54. PERG recording of patient IV/10. Lines 1 and 3 and lines 2 and 4 represent pairs of replicate measurements.

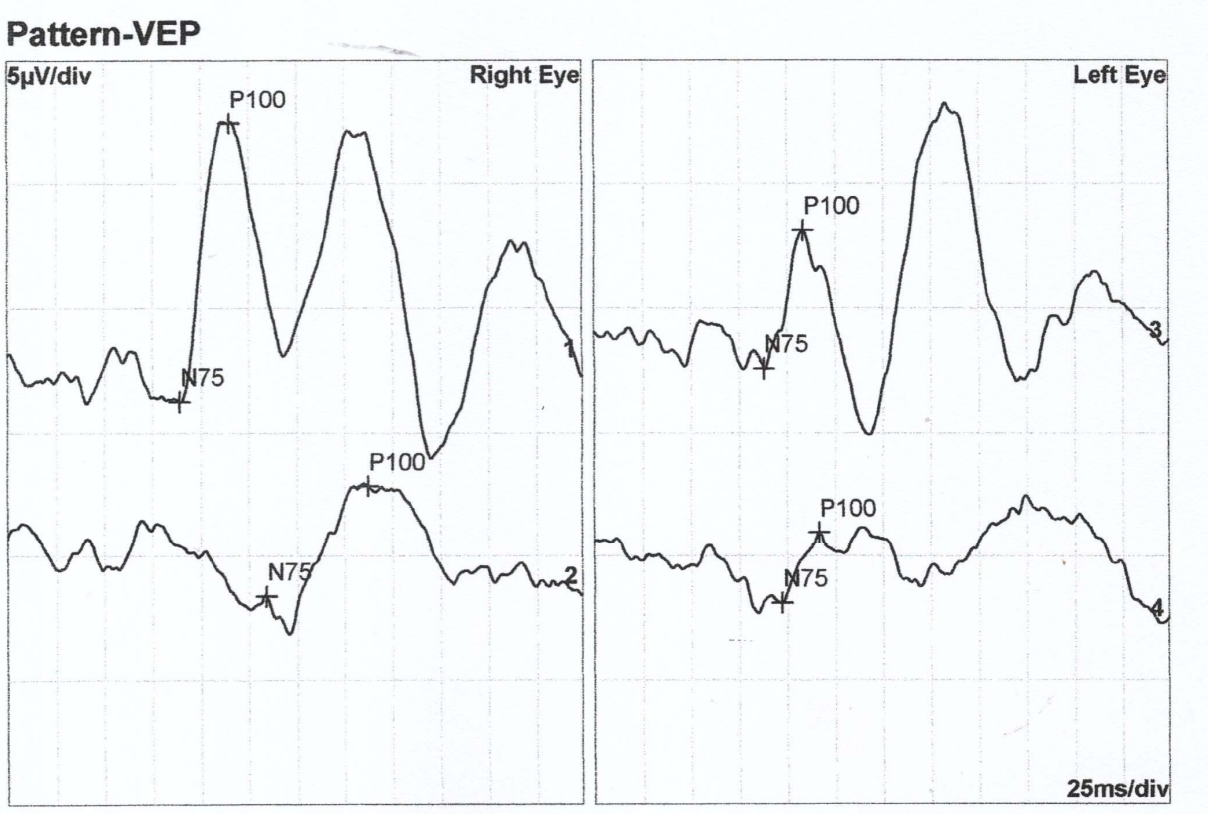


Figure S55. pVEP recording of patient IV/10. Lines 1 and 3 display responses to 60' stimuli and lines 2 and 4 represent responses to 15' stimuli.