

Supplementary table 1: ffERG Z scoring system

Score	ffERG response amplitude	ffERG response timing
5	Amplitude within 2 Z scores (SD) from mean (Normal for age)	Timing within 2 Z scores (SD) from mean (Normal for age)
4	Z score $< -2, \geq -3$	Z score $> 2, \leq 3$
3	Z score $< -3, \geq -4$	Z score $> 3, \leq 4$
2	Z score $< -4, \geq -5$	Z score $> 4, \leq 5$
1	Z score < -5	Z score > 5
0	No response	No response

ffERG: full field electroretinogram; **SD:** standard deviation

Overall ffERG score equals the mean of individual response scores + 1 for present oscillatory potential in both scotopic and photopic conditions. If oscillatory potential is present in only one condition, only +0.5 will be added.

Supplementary table 2: Baseline clinical characteristics

PATIENT	BCVA		Lens status		Vitreous cells		Vitreous haze		OCT	
	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS
1	20/20	20/25	Clear lens	Pseudophakic	0	0	0	1	Normal	Normal
2	20/20	20/20	Clear lens	Clear lens	0	0	0	0	Normal	Normal
3	20/25	20/25	Clear lens	Clear lens	1	1	1	1	N/A	N/A
4	20/20	20/50	NS 1+	NS 1+	0	0	0	0	Normal	N/A
5	20/20	20/25	Clear lens	Clear lens	0	0	0	0	Normal	Normal
6	20/20	20/20	Clear lens	Clear lens	0	0	0	0	Normal	Normal
7	20/40	-	Clear lens	-	0	-	0	-	Normal	-
8	20/20	20/20	Clear lens	Clear lens	0	0	0	2	Normal	Subfoveal deposit
9	20/40	20/25	NS 1+	NS 1+	0	0	0.5	0.5	Normal	Normal
10	-	20/20	-	Clear lens	-	0	-	0.5	-	Normal
11	-	20/25	-	Clear lens	-	0	-	0	-	Normal
12	20/125	20/20	Clear lens	Clear lens	0	0	0	0	Foveal thinning	Foveal thinning
13	20/40	20/20	NS 1+	NS 1+	1	0.5	1	0	ERM	Normal
14	20/25	20/25	Clear lens	Clear lens	0	0	1	1	Foveal thinning	Foveal thinning
15	20/80	-	Aphakic	-	0	-	0	-	Normal	-
16	20/30	20/30	Clear lens	Clear lens	2	2	1	1	Normal	Normal
17	20/40	20/25	NS 1+	NS 1+	0.5	3	1	0.5	ME, ERM	ME, ERM
18	20/40	20/250	Clear lens	Clear lens	0	0	0	0	Normal	ME
19	-	20/50	-	Clear lens	-	0.5	-	0	-	Foveal thinning
20	20/25	-	Pseudophakic	-	0	-	0	-	ERM	-

BCVA: best corrected visual acuity; OCT: optical coherence tomography; OD: right eye; OS: left eye; NS: Nuclear sclerosis; ERM: epiretinal membrane; ME: macular edema

Supplementary table 3: Gradings of fundus fluorescein angiography findings

Patient	Optic disc staining/leakage (Max 3)		Macular leakage (Max 4)		Central vascular leakage/staining (Max 3)		Peripheral vascular leakage/staining (Max 4)		Central extrafoveal capillary leakage (Max 2)		Peripheral capillary leakage (Max 8)		Macular ischemia (Max 2)		Peripheral ischemia (Max 4)		Total FFA grading*	
	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS
1	1	2	2	3	1	1	2	4	1	2	4	8	0	0	0	0	11	20
2	2	2	4	4	2	2	4	4	2	2	8	7	0	0	1	1	23	22
3	3	2	2	1	3	3	4	4	1	1	6	4	0	0	0	0	19	15
4	1	2	0	2	0	0	0	0	1	1	4	8	0	0	0	1	6	14
5	1	3	1	2	0	0	1	0	0	1	6	7	0	0	0	1	9	14
6	0	3	0	0	0	0	4	4	0	0	0	0	0	0	1	0	5	7
7	1	-	0	-	0	-	1	-	1	-	0	-	0	-	0	-	3	-
8	3	2	2	2	1	1	1	1	1	1	5	5	0	0	0	0	13	12
9	1	1	0	0	0	0	1	1	0	0	2	2	0	0	0	0	4	4
10	-	3	-	0	-	2	-	4	-	0	-	0	-	0	-	0	-	9
11	-	0	-	0	-	0	-	3	-	1	-	2	-	0	-	2	-	8
12	1	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	3	2
13	3	1	2	0	3	0	4	3	2	0	8	2	0	0	0	0	22	6
14	3	3	1	2	3	3	4	3	2	2	6	6	1	0	2	2	22	21
15	2	-	1	-	0	-	1	-	1	-	4	-	0	-	0	-	9	-
16	2	1	1	2	0	1	4	4	1	1	6	6	0	0	0	1	14	16
17	3	3	4	3	2	2	4	4	2	2	8	6	0	0	0	0	23	20
18	2	3	2	4	0	0	0	0	2	2	6	6	0	0	0	1	12	16
19	-	3	-	0	-	1	-	4	-	1	-	7	-	0	-	0	-	16
20	1	-	0	-	0	-	2	-	1	-	3	-	0	-	2	-	9	-

* All patients did not show retinal neovascularization or pooling in their FFAs.

FFA: Fundus fluorescein angiography

Supplementary table 4: Full field electroretinogram scores

Patient	scotopic 0.01 b wave (rod) response amplitude		scotopic 0.01 b wave (rod) response timing		scotopic 3.0 (mixed) a wave amplitude		scotopic 3.0 (mixed) b wave amplitude		scotopic 3.0 (mixed) b wave timing		photopic 3.0 b wave (cone) amplitude		photopic 3.0 b wave (cone) timing		30 Hz 3.0 photopic cone flicker amplitude		30 Hz 3.0 photopic cone flicker timing		Oscillatory potentials		Overall ffERG score		b/a ratio			
	Max (5)		Max (5)		Max (5)		Max (5)		Max (5)		Max (5)		Max (5)		Max (5)		Max (5)		Max (1)		Max (6)					
	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS
1	4	5	4	4	4	4	5	5	5	5	5	5	5	4	4	4	5	1	1	1	5.6	5.1	3.39	2.64		
2	5	5	2	5	5	5	5	5	5	5	5	5	5	5	5	2	2	1	1	5.3	5.7	2.37	2.82			
3	5	5	5	5	5	5	5	5	5	5	3	5	5	3	3	4	5	1	1	5.7	5.6	1.63	2.34			
4	5	5	5	2	5	3	5	5	5	5	5	5	5	5	3	5	1	1	1	6.0	4.8	2.79	4.20			
5	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	4	1	1	6.0	5.8	1.86	2.09			
6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	6.0	6.0	1.60	1.64			
7	4	-	0	-	2	-	5	-	5	-	3	-	5	-	5	-	3	-	1	-	4.6	-	2.86	-		
8	4	5	5	5	4	5	5	5	5	5	4	4	4	4	3	4	1	2	1	1	4.9	5.3	2.03	1.69		
9	5	2	5	5	5	5	1	1	5	5	1	1	3	4	3	4	2	1	1	1	4.3	4.1	1.16	0.36		
10	-	5	-	5	-	5	-	5	-	5	-	5	-	5	-	5	-	1	-	1	-	5.6	-	2.20		
11	-	4	-	5	-	3	-	5	-	5	-	5	-	5	-	4	-	5	-	1	-	5.6	-	2.12		
12	5	5	5	5	5	5	5	5	5	5	4	4	5	5	5	5	5	4	1	1	5.9	5.8	1.53	1.50		
13	5	5	1	2	5	5	5	5	5	5	5	4	3	5	5	5	1	5	1	1	4.9	5.6	2.05	1.85		
14	0	0	0	0	1	0	1	0	5	0	0	0	0	0	1	0	1	0	0	0	1.0	0.0	1.40	N/A		
15	4	-	4	-	4	-	5	-	5	-	5	-	4	-	5	-	4	-	1	-	5.4	-	3.74	-		
16	5	5	2	3	5	4	5	5	5	5	5	4	4	4	4	3	2	2	1	1	5.1	4.9	1.93	1.79		
17	4	5	5	5	5	5	3	4	5	5	5	5	2	5	5	5	1	1	0.5	1	4.4	5.4	1.28	2.03		
18	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	6.0	6.0	1.35	1.64		
19	-	0	-	0	-	1	-	2	-	2	-	1	-	1	-	1	-	1	-	0	-	1.0	-	4.41		
20	4	-	1	-	5	-	5	-	5	-	4	-	5	-	3	-	5	-	1	1	5.1	-	1.45	-		

ffERG: full field electroretinogram

Supplementary table 5: Correlation between baseline and clinical criteria and overall ffERG score

	Correlation coefficient	P value
Age	0.06	0.75
Presence of systemic disease	- 0.44	0.014*
Infectious etiologies	- 0.16	0.37
BCVA	- 0.32	0.08
Vitreous cells	- 0.24	0.2
Vitreous haze	- 0.47	0.008*
OCT abnormalities	- 0.05	0.8
FFA score	- 0.17	0.35

* Statistically significant

BCVA: best corrected visual acuity; OCT: optical coherence tomography; FFA: fundus fluorescein angiography

Supplementary table 6: Correlation between select individual fERG responses and clinical and FFA findings

	Photopic 3.0 b wave (cone) response timing		3.0 photopic 30 Hz flicker response amplitude		3.0 photopic 30 Hz flicker response timing	
	Correlation coefficient	P value	Correlation coefficient	P value	Correlation coefficient	P value
BCVA	- 0.37	0.046*	- 0.09	0.62	- 0.12	0.52
Vitreous haze	- 0.62	< 0.001*	- 0.39	0.03*	- 0.53	0.002*
Overall FFA score	- 0.37	0.03*	- 0.09	0.61	- 0.43	0.02*
Macular leakage	- 0.19	0.3	0.004	0.99	- 0.39	0.03*
Peripheral capillary leakage	- 0.19	0.13	- 0.08	0.67	- 0.42	0.02*

* Statistically significant

fERG: full field electroretinogram; FFA: fundus fluorescein angiography; BCVA: best corrected visual acuity.

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1	Z score < -5	Z score > 5
0	No response	No response

ffERG: full field electroretinogram; **SD:** standard deviation

Overall ffERG score equals the mean of individual response scores + 1 for present oscillatory potential in both scotopic and photopic conditions. If oscillatory potential is present in only one condition, only +0.5 will be added.

Supplementary table 2: Baseline clinical characteristics

PATIENT	BCVA		Lens status		Vitreous cells		Vitreous haze		OCT	
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2	20/20	20/20	Clear lens	Clear lens	0	0	0	0	Normal	Normal
3	20/25	20/25	Clear lens	Clear lens	1	1	1	1	N/A	N/A
4	20/20	20/50	NS 1+	NS 1+	0	0	0	0	Normal	N/A
5	20/20	20/25	Clear lens	Clear lens	0	0	0	0	Normal	Normal
6	20/20	20/20	Clear lens	Clear lens	0	0	0	0	Normal	Normal
7	20/40	-	Clear lens	-	0	-	0	-	Normal	-
8	20/20	20/20	Clear lens	Clear lens	0	0	0	2	Normal	Subfoveal deposit
9	20/40	20/25	NS 1+	NS 1+	0	0	0.5	0.5	Normal	Normal
10	-	20/20	-	Clear lens	-	0	-	0.5	-	Normal
11	-	20/25	-	Clear lens	-	0	-	0	-	Normal
12	20/125	20/20	Clear lens	Clear lens	0	0	0	0	Foveal thinning	Foveal thinning
13	20/40	20/20	NS 1+	NS 1+	1	0.5	1	0	ERM	Normal
14	20/25	20/25	Clear lens	Clear lens	0	0	1	1	Foveal thinning	Foveal thinning
15	20/80	-	Aphakic	-	0	-	0	-	Normal	-
16	20/30	20/30	Clear lens	Clear lens	2	2	1	1	Normal	Normal
17	20/40	20/25	NS 1+	NS 1+	0.5	3	1	0.5	ME, ERM	ME, ERM
18	20/40	20/250	Clear lens	Clear lens	0	0	0	0	Normal	ME
19	-	20/50	-	Clear lens	-	0.5	-	0	-	Foveal thinning
20	20/25	-	Pseudophakic	-	0	-	0	-	ERM	-

BCVA: best corrected visual acuity; OCT: optical coherence tomography; OD: right eye; OS: left eye; NS: Nuclear sclerosis; ERM: epiretinal membrane; ME: macular edema

Supplementary table 3: Gradings of fundus fluorescein angiography findings

Patient	Optic disc staining/leakage (Max 3)		Macular leakage (Max 4)		Central vascular leakage/staining (Max 3)		Peripheral vascular leakage/staining (Max 4)		Central extrafoveal capillary leakage (Max 2)		Peripheral capillary leakage (Max 8)		Macular ischemia (Max 2)		Peripheral ischemia (Max 4)		Total FFA grading*	
	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS
1	1	2	2	3	1	1	2	4	1	2	4	8	0	0	0	0	11	20
2	2	2	4	4	2	2	4	4	2	2	8	7	0	0	1	1	23	22
3	3	2	2	1	3	3	4	4	1	1	6	4	0	0	0	0	19	15
4	1	2	0	2	0	0	0	0	1	1	4	8	0	0	0	1	6	14
5	1	3	1	2	0	0	1	0	0	1	6	7	0	0	0	1	9	14
6	0	3	0	0	0	0	4	4	0	0	0	0	0	0	1	0	5	7
7	1	-	0	-	0	-	1	-	1	-	0	-	0	-	0	-	3	-
8	3	2	2	2	1	1	1	1	1	1	5	5	0	0	0	0	13	12
9	1	1	0	0	0	0	1	1	0	0	2	2	0	0	0	0	4	4
10	-	3	-	0	-	2	-	4	-	0	-	0	-	0	-	0	-	9
11	-	0	-	0	-	0	-	3	-	1	-	2	-	0	-	2	-	8
12	1	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	3	2
13	3	1	2	0	3	0	4	3	2	0	8	2	0	0	0	0	22	6
14	3	3	1	2	3	3	4	3	2	2	6	6	1	0	2	2	22	21
15	2	-	1	-	0	-	1	-	1	-	4	-	0	-	0	-	9	-
16	2	1	1	2	0	1	4	4	1	1	6	6	0	0	0	1	14	16
17	3	3	4	3	2	2	4	4	2	2	8	6	0	0	0	0	23	20
18	2	3	2	4	0	0	0	0	2	2	6	6	0	0	0	1	12	16
19	-	3	-	0	-	1	-	4	-	1	-	7	-	0	-	0	-	16
20	1	-	0	-	0	-	2	-	1	-	3	-	0	-	2	-	9	-

* All patients did not show retinal neovascularization or pooling in their FFAs.

FFA: Fundus fluorescein angiography

Supplementary table 4: Full field electroretinogram scores

Patient	scotopic 0.01 b wave (rod) response amplitude		scotopic 0.01 b wave (rod) response timing		scotopic 3.0 (mixed) a wave amplitude		scotopic 3.0 (mixed) b wave amplitude		scotopic 3.0 (mixed) b wave timing		photopic 3.0 b wave (cone) amplitude		photopic 3.0 b wave (cone) timing		30 Hz 3.0 photopic cone flicker amplitude		30 Hz 3.0 photopic cone flicker timing		Oscillatory potentials		Overall ffERG score		b/a ratio			
	Max (5)		Max (5)		Max (5)		Max (5)		Max (5)		Max (5)		Max (5)		Max (5)		Max (5)		Max (1)		Max (6)					
	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS	OD	OS
1	4	5	4	4	4	4	5	5	5	5	5	5	5	4	4	4	5	1	1	1	5.6	5.1	3.39	2.64		
2	5	5	2	5	5	5	5	5	5	5	5	5	5	5	5	5	2	2	1	1	5.3	5.7	2.37	2.82		
3	5	5	5	5	5	5	5	5	5	5	5	5	3	5	5	3	3	4	5	1	1	5.7	5.6	1.63	2.34	
4	5	5	5	2	5	3	5	5	5	5	5	5	5	5	5	3	5	1	1	1	6.0	4.8	2.79	4.20		
5	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	4	1	1	6.0	5.8	1.86	2.09		
6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	6.0	6.0	1.60	1.64		
7	4	-	0	-	2	-	5	-	5	-	3	-	5	-	5	-	3	-	1	-	4.6	-	2.86	-		
8	4	5	5	5	4	5	5	5	5	5	4	4	4	4	3	4	1	2	1	1	4.9	5.3	2.03	1.69		
9	5	2	5	5	5	5	1	1	5	5	1	1	3	4	3	4	2	1	1	1	4.3	4.1	1.16	0.36		
10	-	5	-	5	-	5	-	5	-	5	-	5	-	5	-	5	-	1	-	1	-	5.6	-	2.20		
11	-	4	-	5	-	3	-	5	-	5	-	5	-	5	-	4	-	5	-	1	-	5.6	-	2.12		
12	5	5	5	5	5	5	5	5	5	5	4	4	5	5	5	5	5	4	1	1	5.9	5.8	1.53	1.50		
13	5	5	1	2	5	5	5	5	5	5	5	4	3	5	5	5	1	5	1	1	4.9	5.6	2.05	1.85		
14	0	0	0	0	1	0	1	0	5	0	0	0	0	0	1	0	1	0	0	0	1.0	0.0	1.40	N/A		
15	4	-	4	-	4	-	5	-	5	-	5	-	4	-	5	-	4	-	1	-	5.4	-	3.74	-		
16	5	5	2	3	5	4	5	5	5	5	5	4	4	4	4	3	2	2	1	1	5.1	4.9	1.93	1.79		
17	4	5	5	5	5	5	3	4	5	5	5	5	2	5	5	5	1	1	0.5	1	4.4	5.4	1.28	2.03		
18	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	6.0	6.0	1.35	1.64		
19	-	0	-	0	-	1	-	2	-	2	-	1	-	1	-	1	-	1	-	0	-	1.0	-	4.41		
20	4	-	1	-	5	-	5	-	5	-	4	-	5	-	3	-	5	-	1	1	5.1	-	1.45	-		

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Supplementary table 5: Correlation between baseline and clinical criteria and overall ffERG score

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Vitreous haze	- 0.47	0.008*
OCT abnormalities	- 0.05	0.8
FFA score	- 0.17	0.35

* Statistically significant

BCVA: best corrected visual acuity; OCT: optical coherence tomography; FFA: fundus fluorescein angiography

Supplementary table 6: Correlation between select individual fERG responses and clinical and FFA findings

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Vitreous haze	- 0.62	< 0.001*	- 0.39	0.03*	- 0.53	0.002*
Overall FFA score	- 0.37	0.03*	- 0.09	0.61	- 0.43	0.02*
Macular leakage	- 0.19	0.3	0.004	0.99	- 0.39	0.03*
Peripheral capillary leakage	- 0.19	0.13	- 0.08	0.67	- 0.42	0.02*

* Statistically significant

fERG: full field electroretinogram; FFA: fundus fluorescein angiography; BCVA: best corrected visual acuity.