

Table 1: Demographic characteristics and follow-up parameters of Group 1 (management with aPRP + rEMS):

Patient No	Age	Sex	Eye	Horizontal EZW			Vertical EZW			Visual Field FPD			BCVA	
				Before	After	%Difference	Before	After	%Difference	Before	After	Difference	Before	After
1	29	M	R	3,56	3,83	+7.6	4.62	4.84	+4.8	45	52	+7	110	110
			L	4.21	4.34	+3.1	3.36	3.41	+1.5	43	45	+2	110	110
2	37	M	R	6.87	6.90	+0.4	6.74	6.79	+0.7	57	60	+3	110	110
			L	3.97	4.14	+4.2	2.57	2.74	+6.6	57	60	+3	110	110
3	45	M	R	2.58	2.84	+10.1	1.90	2.06	+8.4	39	42	+3	100	100
			L	2.32	3.02	+30.2	2.17	2.30	+6.0	37	43	+6	100	100
4	38	F	R	3.43	3.43	0	2.52	2.70	+7.1	26	27	+1	100	100
			L	3.64	3.65	+0.3	2.75	2.82	+2.5	28	29	+1	100	100
5	32	F	R	4.01	4.00	-0.3	3.92	3.89	-0.8	48	46	-2	110	110
			L	3.96	3.90	-1.5	3.88	3.82	-1.5	44	43	-1	100	100
6	36	F	R	4.87	4.87	0	4.71	4.70	-0.2	49	49	0	110	110
			L	4.91	4.90	-0.2	4.70	4.68	-0.4	50	49	-1	110	110
7	38	M	R	7.01	7.16	+2.1	7.10	7.12	+0.3	65	67	+2	110	110
			L	7.03	7.20	+2.4	7.13	7.21	+1.1	66	70	+4	110	110
8	27	F	R	2.21	2.20	-0.5	2.17	2.15	-0.9	38	36	-2	89	80
			L	2.17	2.16	-0.5	2.14	2.12	-0.9	37	36	-1	75	75
9	24	F	R	2.76	2.71	-2.0	2.74	2.71	-1.1	41	39	-2	85	85
			L	2.66	2.63	-1.1	2.69	2.61	-2.6	40	39	-1	85	85
10	28	M	R	2.61	2.60	-0.4	2.70	2.70	0	27	27	0	80	80
			L	2.59	2.58	-1.2	2.34	2.31	-1.3	26	25	-1	80	80
11	31	F	R	2.43	2.40	-1.2	2.38	2.37	-0.4	32	30	-2	75	75
			L	2.40	2.40	0	2.38	2.37	-0.4	30	30	0	75	75
12	26	M	R	1.24	1.20	-3.2	1.36	1.29	-5.1	38	36	-2	70	70
			L	1.19	1.16	-2.5	1.20	1.18	-1.7	35	33	-2	70	70
13	20	M	R	6.71	6.69	-0.3	6.70	6.68	-0.3	76	74	-2	110	100
			L	6.56	6.56	0	6.49	6.48	-0.2	72	71	-1	110	100
14	23	F	R	1.64	1.64	0	1.49	1.49	0	25	25	0	70	70
			L	1.66	1.65	-0.6	1.38	1.37	-0.7	27	26	-1	70	70
15	49	F	R	5.84	5.78	-1.1	5.91	5.89	-0.3	76	74	-2	110	110
			L	5.77	5.73	-0.7	5.79	5.76	-0.5	72	70	-2	110	110
16	51	M	R	4.98	4.96	-0.4	3.98	3.96	-0.5	68	67	-1	110	110
			L	4.78	4.76	-0.4	4.00	3.98	-0.5	66	64	-2	110	110
17	30	M	R	2.63	2.60	-1.1	2.46	2.44	-0.8	39	37	-2	85	85
			L	1.99	1.94	-2.5	1.87	1.84	-1.6	34	32	-2	80	80
18	47	F	R	0.95	0.95	0	1.02	1.00	-2.0	20	20	0	50	50
			L	1.01	0.99	-2.0	1.12	1.10	-1.8	22	21	-1	65	65
19	22	F	R	2.36	2.33	-1.3	1.98	1.96	-1.0	36	34	-2	89	89
			L	1.90	1.88	-1.1	1.87	1.85	-1.1	32	31	-1	75	75
20	25	F	R	1.56	1.53	-1.9	1.77	1.74	-1.7	30	29	-1	65	65
			L	1.74	1.71	-1.7	1.82	1.79	-1.7	30	29	-1	65	65

aPRP: autologous platelet rich plasma
rEMS: repetitive electromagnetic stimulation
EZW: ellipsoid zone width (mm)
FPDI: fundus perimetry deviation index (%)
BCVA: best corrected visual acuity

Table 2: Demographic characteristics and follow-up parameters of Group 2 (management with only aPRP):

Patient No	Age	Sex	Eye	Horizontal EZW			Vertical EZW			Visual Field FPDl			BCVA	
				Before	After	%Difference	Before	After	%Difference	Before	After	Difference	Before	After
1	39	F	R	2.89	2.94	+1.7	2.10	2.21	+5.2	26	28	+2	80	80
			L	2.23	2.51	+12.0	2.29	2.32	+1.3	24	28	+4	80	80
2	37	M	R	6.36	6.47	+1.7	6.32	6.47	+2.4	64	64	0	110	110
			L	7.03	7.21	+2.4	7.13	7.20	+1.0	71	72	+1	110	110
3	47	F	R	7.77	8.30	+6.8	7.47	7.65	+2.4	75	77	+2	110	110
			L	7.95	7.97	+0.3	6.91	7.09	+1.4	76	77	+1	110	110
4	28	M	R	4.87	4.62	-5.1	3.82	3.56	-6.9	45	40	-5	100	100
			L	4.92	4.84	-1.6	3.73	3.71	-0.5	43	40	-3	100	100
5	26	M	R	3.76	3.61	-4.0	2.63	2.58	-1.9	64	60	-4	100	100
			L	4.14	3.97	-4.1	2.59	2.57	-0.8	63	60	-3	100	100
6	40	F	R	2.77	2.63	-5.1	2.37	2.18	-8.0	42	36	-6	75	70
			L	2.48	2.32	-6.5	2.16	2.10	-2.8	35	30	-5	75	70
7	30	F	R	1.98	1.89	-5.5	1.92	1.83	-4.7	32	28	-4	65	65
			L	2.01	1.89	-5.9	1.97	1.87	-5.1	33	28	-5	65	65
8	20	M	R	2.77	2.64	-4.7	1.96	1.84	-6.1	60	54	-6	80	75
			L	3.00	2.87	-4.3	2.08	1.97	-5.3	59	55	-4	80	75
9	23	F	R	3.89	3.70	-4.9	3.71	3.46	-6.7	53	50	-3	89	89
			L	3.76	3.41	-9.3	3.63	3.42	-5.8	50	45	-5	85	80
10	28	F	R	2.71	2.60	-4.0	2.84	2.70	-4.9	41	38	-3	89	89
			L	2.96	2.81	-5.1	2.73	2.59	-5.1	41	38	-3	89	89
11	29	M	R	3.73	3.61	-3.2	3.37	3.23	-4.2	55	52	-3	95	95
			L	3.90	3.77	-3.3	4.11	3.89	-5.4	60	56	-4	95	95
12	24	M	R	2.86	2.71	-5.2	2.77	2.61	-5.8	40	36	-4	85	85
			L	2.76	2.63	-4.7	2.65	2.50	-5.7	40	36	-4	85	85
13	50	F	R	2.22	2.09	-5.9	2.86	2.72	-4.9	44	39	-5	100	100
			L	2.61	2.47	-5.4	3.11	2.96	-4.8	47	44	-3	110	110
14	32	F	R	2.53	2.51	-0.8	2.48	2.47	-0.4	34	34	0	75	75
			L	2.50	2.49	-0.4	2.48	2.47	-0.4	33	33	0	75	75
15	56	M	R	5.08	4.96	-2.4	4.98	4.86	-2.4	70	67	-3	110	110
			L	4.98	4.86	-2.4	4.71	4.58	-2.8	69	66	-3	110	110
16	31	F	R	1.34	1.26	-6.0	1.38	1.30	-5.8	38	34	-4	70	70
			L	1.29	1.21	-6.2	1.30	1.23	-5.4	36	32	-4	70	70
17	23	M	R	2.33	2.24	-3.9	2.00	1.96	-2.0	35	32	-3	89	89
			L	1.97	1.91	-3.0	1.89	1.82	-3.7	31	28	-3	75	75
18	32	F	R	1.77	1.68	-5.1	1.53	1.45	-5.2	30	25	-5	80	80
			L	1.54	1.49	-3.2	1.70	1.62	-4.7	27	24	-3	74	74
19	28	F	R	1.88	1.80	-4.3	1.88	1.81	-3.7	48	44	-4	85	85
			L	2.05	1.98	-3.4	2.49	2.40	-3.6	56	53	-3	92	92
20	29	F	R	2.70	2.70	0	2.76	2.76	0	28	28	0	80	80
			L	2.69	2.69	0	2.64	2.64	0	27	27	0	80	80

aPRP: autologous platelet rich plasma

rEMS: repetitive electromagnetic stimulation

EZW: ellipsoid zone width (mm)

FPDI: fundus perimetry deviation index (%)

BCVA: best corrected visual acuity

Table 3: Demographic characteristics and follow-up parameters of Group 3 (natural course):

Patient No	Age	Sex	Eye	Horizontal EZW			Vertical EZW			Visual Field FPDl			BCVA	
				Before	After	%Difference	Before	After	%Difference	Before	After	Difference	Before	After
1	48	M	R	8.30	7.77	-6.4	7.77	7.27	-6.4	78	67	-11	110	100
			L	8.30	7.95	-4.2	7.97	7.09	-11.1	73	64	-9	110	110
2	50	M	R	2.12	1.78	-12.5	2.76	2.50	-9.4	46	34	-12	100	95
			L	2.71	2.49	-8.2	3.01	2.63	-12.6	49	40	-9	95	95
3	32	F	R	7.45	7.01	-5.9	5.68	5.15	-8.8	85	78	-7	100	100
			L	8.24	7.80	-5.3	7.98	7.00	-12.2	88	80	-8	100	100
4	29	F	R	3.73	3.10	-16.8	2.87	2.70	-6.9	72	63	-9	95	95
			L	3.79	3.23	-14.7	3.68	3.29	-10.5	84	73	-11	100	100
5	30	F	R	1.92	1.68	-12.5	1.82	1.72	-5.6	36	28	-8	70	70
			L	1.60	1.50	-6.3	1.55	1.39	-10.3	32	25	-7	70	70
6	46	M	R	3.11	2.78	-10.6	3.50	3.02	-13.7	55	46	-9	110	100
			L	3.02	2.90	-4.0	3.41	3.22	-5.6	53	45	-8	110	110
7	31	F	R	1.57	1.42	-9.5	1.33	1.21	-9.0	30	22	-8	80	80
			L	1.34	1.21	-9.7	1.63	1.51	-7.3	27	19	-8	74	74
8	27	F	R	1.80	1.65	-8.3	1.78	1.60	-10.1	48	39	-9	85	85
			L	2.15	1.97	-8.4	2.39	2.20	-7.9	56	48	-8	92	92
9	57	M	R	1.36	1.20	-11.8	1.46	1.31	-10.3	17	9	-8	65	65
			L	1.12	0.98	-12.5	1.24	1.10	-11.3	9	4	-5	65	50
10	22	M	R	5.75	5.16	-10.3	5.01	4.54	-9.4	51	40	-11	110	110
			L	5.69	5.13	-9.8	5.22	4.84	-7.3	50	41	-9	110	110
11	26	F	R	2.40	2.10	-12.5	2.40	2.12	-11.6	55	39	-11	74	74
			L	2.70	2.50	-7.4	2.60	2.35	-9.6	59	47	-12	80	74
12	30	F	R	1.90	1.80	-5.2	1.80	1.70	-5.5	49	43	-6	80	80
			L	2.00	1.80	-10.0	1.90	1.70	-10.5	52	43	-9	85	80
13	27	F	R	4.09	3.67	-10.3	3.44	3.07	-10.8	68	56	-12	89	89
			L	4.09	3.79	-7.3	3.76	3.68	-2.2	69	63	-6	89	89
14	29	M	R	3.71	3.39	-8.6	3.30	3.00	-9.1	56	48	-8	95	95
			L	4.01	3.57	-11.0	4.14	3.59	-13.3	61	51	-10	100	100
15	20	F	R	3.60	3.40	-5.5	4.60	4.30	-6.5	71	65	-6	95	95
			L	4.84	4.60	-4.9	3.70	3.50	-5.4	72	67	-4	95	95
16	23	M	R	3.45	3.09	-10.4	3.74	3.34	-10.7	52	44	-8	100	100
			L	3.27	2.97	-9.2	3.61	3.30	-8.6	50	40	-10	100	95
17	25	F	R	1.65	1.50	-9.1	2.08	1.93	-7.2	45	37	-8	74	74
			L	1.10	0.97	-11.8	1.83	1.71	-6.5	40	33	-7	70	70
18	20	F	R	1.70	1.55	-8.8	1.90	1.75	-7.9	50	41	-9	80	80
			L	2.10	1.90	-9.5	3.20	3.00	-6.3	58	51	-7	85	85
19	33	M	R	3.43	3.06	-10.8	3.19	2.78	-12.9	57	47	-10	100	100
			L	3.40	3.01	-11.5	3.33	2.97	-10.8	58	47	-11	100	100
20	28	F	R	2.16	1.90	-12.0	2.14	1.92	-10.2	56	45	-11	74	74
			L	2.13	1.90	-10.8	2.26	1.98	-12.3	55	43	-12	74	74

aPRP: autologous platelet rich plasma
rEMS: repetitive electromagnetic stimulation
EZW: ellipsoid zone width (mm)
FPDI: fundus perimetry deviation index (%)
BCVA: best corrected visual acuity

Table 4 Comparison of assessment parameters before the treatments and at the end of the one-year follow-up period between three groups:

Horizontal EZW %Difference				
Group1 (n=40)	Group 2(n=40)	Group3(n=40)	p	Difference **
X±s.s.	X±s.s.	X±s.s.		
1±2,4	-2,85±2,8	-9,36±2,8	0,01*	1>2>3
Vertical EZW %Difference				
Group1 (n=40)	Group 2(n=40)	Group3(n=40)	p	Difference **
X±s.s.	X±s.s.	X±s.s.		
0,34±2,8	-3,05±2,7	-9,09±2,6	0,01*	1>2>3
Visual Field FPDl Difference				
Group1 (n=40)	Group 2(n=40)	Group3(n=40)	p	Difference**
X±s.s.	X±s.s.	X±s.s.		
0,05±2,5	-2,68±2,3	-8,78±2.0	0,01*	1>2>3

****Sidak binary comparison test**

aPRP: autologous platelet rich plasma
rEMS: repetitive electromagnetic stimulation
EZW: ellipsoid zone width (mm)
FPDI: fundus perimetry deviation index (%)
BCVA: best corrected visual acuity