

**Table S1:** Shapiro-Wilk normality tests results in the Buckled group.

	Object	W	p value
1	Age	0.954	0.001
2	Preoperative BCVA (logMAR)	0.93	0.001
3	Postoperative BCVA (logMAR)	0.79	0.001
4	ERM Detection (weeks)	0.961	0.319
5	BCVA after ERM surgery (logMAR)	0.951	0.211
6	CSFT (microns)	0.888	0.001
7	Follow-up period (months)	0.959	0.001
The variables that do not follow a normal distribution are in bold writing. ( $p < 0.05$ ) W (Shapiro-Wilk normality test); BCVA: Best Corrected Visual Acuity; CSFT: Central Subfoveal Thickness			

**Table S2.** Descriptive statistics for the numeric variables in the Buckle group

	Object	Mean	Min	Max	Standard Deviation	Length of Sample (n=125)
1	Age (years)	44.34	18	76	15.94	125
2	Preoperative macula-off (weeks)	3.6	1	12	2.47	125
3	Preoperative BCVA (logMAR)	1.03	0.48	1.6	0.28	125
4	Postoperative BCVA (logMAR)	0.4	0.1	1.3	0.33	125
5	ERM detection (weeks)	11.93	5	22	4.59	125
6	BCVA after ERM surgery(logMAR)	0.43	0.18	0.7	0.14	125
7	CSFT (microns)	243.57	32	402	41.95	125
8	Follow-up period (months)	26.11	2	73	13.42	125
Non-parametric Mann-Whitney U-test. min: minimum; max: maximum; BCVA: Best Corrected Visual Acuity; ERM: Epiretinal Membrane; CSFT: Central Subfoveal Thickness						

**Table S3.** Summarized statistics for the categorical variables in the Buckle group

Variable	Value	n	Freq
Sex	Female	75	0.6
	Male	50	0.4
Eye	Left	59	0.472
	Right	66	0.528
Preop Lens Status	Phakic	98	0.784
	Pseudophakic	27	0.216
Preop BCVA	20/100	26	0.208
	20/160	14	0.112
	20/200	35	0.28
	20/300	12	0.096
	20/400	21	0.168
	20/60	1	0.008
	20/70	3	0.024
	20/80	2	0.016

	20/800	11	0.088
Postop BCVA	20/100	11	0.088
	20/120	1	0.008
	20/160	1	0.008
	20/200	4	0.032
	20/25	16	0.128
	20/30	35	0.28
	20/300	3	0.024
	20/40	31	0.248
	20/400	6	0.048
	20/50	4	0.032
	20/60	8	0.064
	20/70	1	0.008
	20/80	4	0.032
Redetachment	No	114	0.912
	Yes	11	0.088
Additional Surgery		114	0.912
	Buckle Revision	4	0.032
	Phako-Vitrectomy	3	0.024
	Phako-Vitrectomy-Erm Peeling	1	0.008
	Vitrectomy	2	0.016
	Vitrectomy-Erm Peeling	1	0.008
Postop ERM proliferations	No	96	0.768
	Yes	29	0.232
ERM Surgery	No	98	0.784
	Yes	27	0.216
BCVA after ERM surgery		97	0.776
	20/100	2	0.016
	20/30	2	0.016
	20/40	7	0.056
	20/50	6	0.048
	20/60	4	0.032
	20/70	4	0.032
	20/80	3	0.024
Retinal perforation	No	118	0.944
	Yes	7	0.056
Submacular blood	No	120	0.96
	Yes	5	0.04
Through and through scleral drainage complication phenomenon	No	117	0.936
	Yes	8	0.064
Retinal entrapment	No	122	0.976
	Yes	3	0.024
Foveal contour OCT alterations	Normal	14	0.112
	Abnormal	19	0.152
	Normal	92	0.736

Ellipsoid band OCT alterations		14	0.112
	Disrupted	25	0.2
	Normal	86	0.688
DONFL OCT defects		14	0.112
	Not Present	80	0.64
	Present	31	0.248
ELM line OCT alterations		15	0.12
	Abnormal	24	0.192
	Normal	86	0.688
mfERG registration		26	0.208
	Abnormal	54	0.432
	Normal	45	0.36
Microperimetry results		18	0.144
	Abnormal	51	0.408
	Normal	56	0.448
Fisher's exact test. freq: frequency; preop: preoperative; postop: postoperative; BCVA: Best Corrected Visual Acuity; CSFT: Central Subfoveal Thickness; ERM: Epiretinal Membrane; DONFL: Diffuse Optic Nerve Fiber Layer; ELM: External Limiting Membrane; mfERG: Multifocal Electroretinography			

**Table S4.** Correlations among the numeric variables in the Buckle group (sample size N=125 eyes)

	Age	Preoperative macula-off (weeks)	Preoperative BCVA (logMAR)	Postoperative BCVA (logMAR)	ERM Detection (weeks)	BCVA After ERM Surgery (logMAR)	Follow-up Period (months)
Age	1 (p=NA)						
Preoperative macula-off (weeks)	0.12 (p=0.17)	1 (p=NA)					
Preoperative BCVA (logMAR)	0.01 (p=0.88)	0.04 (p=0.63)	1 (p=NA)				
Postoperative BCVA (logMAR)	-0.06 (p=0.48)	-0.02 (p=0.78)	0.02 (p=0.85)	1 (p=NA)			
ERM detection (weeks)	-0.27 (p=0.15)	-0.19 (p=0.31)	-0.19 (p=0.31)	0.06 (p=0.74)	1 (p=NA)		
BCVA after ERM surgery (logMAR)	0.05 (p=0.79)	-0.21 (p=0.28)	0.26 (p=0.17)	0.57 (p=0.00)	0.04 (p=0.82)	1 (p=NA)	
CSFT (microns)	0.01 (p=0.9)	0.01 (p=0.93)	0.09 (p=0.37)	0.13 (p=0.17)	0.04 (p=0.85)	-0.06 (p=0.78)	
Follow-up period (months)	-0.17 (p=0.06)	-0.17 (p=0.06)	0.03 (p=0.71)	-0.2 (p=0.03)	0.08 (p=0.68)	-0.05 (p=0.79)	1 (p=NA)
Spearman's rank correlation coefficient test. The significant correlations are in bold text. BCVA: Best Corrected Visual Acuity; ERM: Epiretinal Membrane; CSFT: Central Subfoveal Thickness; NA: Not Applicable							

**Table S5.** Mann-Whitney U tests results A) Preop BCVA, B) Postop BCVA C) BCVA after ERM surgery in the Buckle group

(N=125 eyes)

<b>A. preoperative BCVA (logMAR) Mann-Whitney U tests results</b>		
<b>Object</b>	<b>U</b>	<b>p value</b>
Age	7875	0.001
Preoperative macula-off (weeks)	7140	0.001
Postoperative BCVA (logMAR)	201.5	0.001
ERM detection (weeks)	465	0.001
BCVA after ERM surgery (logMAR)	0	0.001
CSFT (microns)	6105	0.001
Follow-up period (months)	7875	0.001
<b>B. postoperative BCVA (logMAR) Mann-Whitney U tests results</b>		
<b>Object</b>	<b>U</b>	<b>p value</b>
Age	7875	0.001
Preoperative macula-off (weeks)	7866	0.001
Preoperative BCVA (logMAR)	7301.5	0.001
ERM detection (weeks)	465	0.001
BCVA after ERM surgery (logMAR)	0	0.001
CSFT (microns)	6105	0.001
Follow-up period (months)	7875	0.001
<b>C. BCVA after ERM surgery (logMAR) Mann-Whitney U tests results</b>		
<b>Object</b>	<b>U</b>	<b>p value</b>
Age	406	0.001
Preoperative macula-off (weeks)	406	0.001
Preoperative BCVA (logMAR)	378	0.001
Postoperative BCVA (logMAR)	406	0.001
ERM detection (weeks)	406	0.001
CSFT (microns)	406	0.001
Follow-up period (months)	406	0.001
Mann-Whitney U tests. The statistically significant variables (p<0.05) are in bold text. U test BCVA: best corrected visual acuity; ERM: epiretinal membrane; CSFT: central subfoveal thickness		

**Table S6A:** Kruskal-Wallis test results of the preoperative best-corrected visual acuity (BCVA) with the categorical variables.

	Object	Kruskal-Wallis $\chi^2$	df	p value	Number of eyes	No of NAs
1	Male	3.12	1	0.077	125	0
2	Eye	2.13	1	0.144	125	0
3	Preoperative Lens Status	0.13	1	0.718	125	0
4	Preoperative BCVA	124	8	0	125	0
5	Postoperative BCVA	5.34	12	0.946	125	0
6	Re-Detachment	1.02	1	0.313	125	0
7	Additional surgery	1.24	4	0.872	125	114
8	Postoperative ERM proliferations	0.04	1	0.851	125	0
9	ERM surgery	0.09	1	0.764	125	0
10	BCVA after ERM surgery	4.76	6	0.575	125	97
11	Retinal perforation	0.22	1	0.638	125	0
12	Submacular blood	1.06	1	0.304	125	0
13	Through and through	2.83	1	0.093	125	0
14	Retinal entrapment	0	1	0.98	125	0
15	Foveal contour	0.01	1	0.936	125	14
16	Ellipsoid	0.24	1	0.627	125	14
17	DONFL	1.58	1	0.209	125	14
18	ELM	0.38	1	0.535	125	15
19	mfERG	0.24	1	0.623	125	26
20	Microperimetry	0.65	1	0.419	125	18

**Table S6B.** Kruskal-Wallis results of the postoperative BCVA with the categorical variables.

	Object	Kruskal-Wallis $\chi^2$	df	p value	Number of eyes	No of NAs
1	Male	0.026	1	0.871	125	0
2	Eye	0.047	1	0.828	125	0
3	Preoperative Lens Status	0.234	1	0.629	125	0
4	Preoperative BCVA	3.95	8	0.862	125	0
5	Postoperative BCVA	124	12	0	125	0
6	Re-Detachment	7.484	1	0.006	125	0
7	Additional surgery	5.331	4	0.255	125	114
8	Postoperative ERM proliferations	68.187	1	0	125	0
9	ERM surgery	63.098	1	0	125	0
10	BCVA after ERM surgery	13.048	6	0.042	125	97
11	Retinal perforation	1.214	1	0.271	125	0
12	Submacular blood	9.449	1	0.002	125	0
13	Through and Through	0.357	1	0.55	125	0
14	Retinal Entrapment	0.612	1	0.434	125	0
15	Foveal contour	15.821	1	0	125	14
16	Ellipsoid	3.479	1	0.062	125	14

17	DONFL	18.677	1	0	125	14
18	ELM	0.303	1	0.582	125	15
19	mfERG	20.558	1	0	125	26
20	Microperimetry	11.826	1	0.001	125	18

Table S6C. Kruskal-Wallis results of the BCVA after ERM surgery with the categorical variables

	Object	Kruskal-Wallis $\chi^2$	df	p value	Number of eyes	No of NAs
1	Male	0.499	1	0.48	125	0
2	Eye	0.967	1	0.325	125	0
3	Preoperative Lens Status	1.07	1	0.301	125	0
4	Preoperative BCVA	6.587	7	0.473	125	0
5	Postoperative BCVA	11.572	6	0.072	125	0
6	Re-Detachment	0.428	1	0.513	125	0
7	Additional surgery	1.716	3	0.633	125	114
8	Postoperative ERM proliferations	0.063	1	0.801	125	0
9	ERM surgery	0.063	1	0.801	125	0
10	BCVA after ERM surgery	27	6	0	125	97
11	Retinal perforation	1.847	1	0.174	125	0
12	Submacular blood	2.783	1	0.095	125	0
13	Through and Through	1.144	1	0.285	125	0
14	Retinal entrapment	0.776	1	0.378	125	0
15	Foveal contour	0.178	1	0.673	125	14
16	Ellipsoid	1.235	1	0.266	125	14
17	DONFL	1.23	1	0.267	125	14
18	ELM	0.138	1	0.71	125	15
19	mfERG	0.115	1	0.734	125	26
20	Microperimetry	1.033	1	0.31	125	18
<p>The statistically significant variables (<math>p &lt; 0.05</math>) are in bold text. df: Difference no: number; NA: not applicable; BCVA: Best Corrected Visual Acuity; ERM: Epiretinal Membrane; DONFL: Diffuse Optic Nerve Fiber Layer; ELM: External Limiting Membrane; mfERG: Multifocal Electroretinography</p>						

**Table S7.** Generalized Linear Model results of the preoperative best-corrected visual acuity (BCVA), postoperative (BCVA), and BCVA after ERM surgery in the Buckle group (n=125 eyes)

<b>Preoperative BVCA</b>	<b>Estimate</b>	<b>Std. Error</b>	<b>t value</b>	<b>Pr(&gt;  t )</b>	
(Intercept)	0.972	0.033	29.046	<2e-16	***
Sex Male	0.106	0.051	2.07	0.04	*
Through and Through scleral drainage complication phenomenon	0.164	0.102	1.605	0.111	
Generalized					
<b>Postoperative BCVA</b>	<b>Estimate</b>	<b>Std. Error</b>	<b>t value</b>	<b>Pr(&gt;  t )</b>	
(Intercept)	0.218	0.056	3.854	0.001	***
Postop ERM proliferations	0.676	0.035	19.055	< 2e-16	***
Retinal entrapment	-0.206	0.097	-2.112	0.036	*
Preop BCVA logMAR	0.029	0.052	0.567	0.572	
<b>BCVA after ERM surgery</b>	<b>Estimate</b>	<b>Std. Error</b>	<b>t value</b>	<b>Pr(&gt;  t )</b>	
(Intercept)	-0.17	0.13	-1.303	0.206	
Post BCVA logMAR	0.323	0.08	4.003	0.001	***
Preop BCVA logMAR	0.194	0.072	2.694	0.013	*
Retinal perforation	0.151	0.067	2.251	0.034	*
Age	0.002	0.001	1.712	0.1	
Sex Male	-0.021	0.043	-0.498	0.623	
The statistically significant variables (p<0.05) are in bold text and marked with *. Pr: Probabilities using the t distribution, gives the p-value for that t-test; BCVA: Best Corrected Visual Acuity; Postop: Postoperative; Preop: Preoperative; ERM: Epiretinal Membrane					

**Table S8** Shapiro-Wilk normality tests results in the Vitrectomy group (n=105 eyes).

<b>Object</b>	<b>W</b>	<b>P value</b>
Age (years)	0.974	0.039
Macula-off (weeks)	0.924	0.001
Preoperative BCVA (logMAR)	0.923	0.001
Follow-up period (days)	0.971	0.023
BCVA before ERM-ILM removal (logMAR)	0.888	0.001
Final postoperative BCVA (logMAR)	0.924	0.001
CSFT (microns)	0.939	0.008
Follow-up period (months)	0.97	0.023
The variables that do not follow a normal distribution are in bold text (p<0.05). BCVA: Best Corrected Visual Acuity; ERM: Epiretinal Membrane; ILM: Internal Limiting Membrane; CSFT: Central Subfoveal Thickness		

**Table S9.** Descriptive statistics for the numeric variables in the Vitrectomy group

<b>Object</b>	<b>Mean</b>	<b>Min</b>	<b>Max</b>	<b>Standard Deviation</b>
Age (years)	47.92	18	76	14.6
Macula-off (weeks)	4.42	1	12	2.56
Preoperative BCVA (logMAR)	1.06	0.54	1.6	0.27
Follow-up period (months)	24.2	1	58.66	13.02
BCVA before ERM-ILM removal (logMAR)	0.52	0.1	1.3	0.36
ERM detection (weeks)	13.75	5	30	5.33
Final postoperative BCVA (logMAR)	0.37	0.1	1	0.2
CSFT (microns)	256.55	198	320	35.16
Follow-up period (months)	23.42	1	57	12.98
Wilcoxon rank sum test. Min: Minimum; Max: Maximum; BCVA: Best Corrected Visual Acuity; ERM: Epiretinal Membrane; ILM: Internal Limiting Membrane; CSFT: Central Subfoveal Thickness				

Table S10. Summarized statistics for the categorical variables in the vitrectomy group (peeling and nonpeeling groups)

Variable	Group	n	freq	%freq
<b>Additional Surgery</b>	Buckle revision	3	0.03	2.90%
	No	92	0.88	87.60%
	Phako vitrectomy erm peeling	1	0.01	1.00%
	Vitrectomy	2	0.02	1.90%
	Vitrectomy revision	7	0.07	6.70%
<b>DONFL</b>	Absent	34	0.32	32.40%
	Present	60	0.57	57.10%
	NA	11	0.1	10.50%
<b>Ellipsoid</b>	Disrupted	29	0.28	27.60%
	Normal	76	0.72	72.40%
<b>ELM</b>	Disrupted	27	0.26	25.70%
	Normal	74	0.7	70.50%
	NA	4	0.04	3.80%
<b>ERM 2nd Surgery</b>	VIT and Macula revision	1	0.01	1.00%
	Vit revision erm-ilm removal	45	0.43	42.90%
	Vit revision erm-ilm removal	5	0.05	4.80%
	Vit revision erm-ilm removal	1	0.01	1.00%
	NA	53	0.5	50.50%
<b>Eye</b>	Left	50	0.48	47.60%
	Right	55	0.52	52.40%
<b>First Surgery</b>	Buckle	27	0.26	25.70%
	Only vitrectomy	68	0.65	64.80%
	Vit erm-ilm removal	10	0.1	9.50%
<b>Foveal contour</b>	Abnormal	24	0.23	22.90%
	Normal	77	0.73	73.30%
	NA	4	0.04	3.80%
<b>Sex</b>	Female	37	0.35	35.20%
	Male	68	0.65	64.80%
<b>mfERG</b>	Abnormal	43	0.41	41.00%
	Normal	30	0.29	28.60%
	NA	32	0.3	30.50%
<b>Microperimetry</b>	Abnormal	35	0.33	33.30%
	Normal	42	0.4	40.00%
	NA	28	0.27	26.70%
<b>Postoperative ERM proliferations</b>	No	54	0.51	51.40%
	Yes	51	0.49	48.60%
<b>Preoperative ERM proliferations</b>	No	55	0.52	52.40%
	Yes	50	0.48	47.60%
<b>Preop Lens Status</b>	Phakic	68	0.65	64.80%
	Pseudophakic	37	0.35	35.20%
<b>Recurrent RRD</b>	No	92	0.88	87.60%
	Yes	13	0.12	12.40%
Fisher's exact test. freq: frequency; ERM: Epiretinal Membrane; DONFL: Diffuse Optic Nerve Fiber Layer; ELM: External Limiting Membrane; VIT: Vitrectomy; ILM: Internal Limiting Membrane; mfERG: Multifocal Electroretinography; RRD: Rhegmatogenous Retinal Detachment				

**Table S11.** Descriptive statistics with respect to the Vitrectomy (preoperative ERM proliferations) group (non-peeling and peeling)

Vitrectomy groups	Non-peeling (N=55)	Peeling (N=50)	p	
Age	50.455 ± 13.52	45.140 ± 15.36	0.054	
Sex			1	
- Female	19 (34.545%)	18 (36.0%)		
- Male	36 (65.455%)	32 (64.0%)		
Eye			0.698	
- Left	25 (45.455%)	25 (50.0%)		
- Right	30 (54.545%)	25 (50.0%)		
Preoperative Lens Status			0.068	
- Phakic	31 (56.364%)	37 (74.0%)		
- Pseudophakic	24 (43.636%)	13 (26.0%)		
Macula-off (weeks)	4.527 ± 2.403	4.300 ± 2.750	0.425	
Preoperative BCVA (logMAR)	1.036 ± 0.258	1.077 ± 0.277	0.386	
Follow-up period (days)	768.6 ± 373.01	679.90 ± 407.98	0.131	
First Surgery			0	***
- Buckle	0 (0.0%)	27 (54.0%)		
- Only vitrectomy	55 (100.000%)	13 (26.0%)		
- VIT ERM and ILM removal	0 (0.0%)	10 (20.0%)		
BCVA Before ERM-ILM removal (logMAR)	0.297 ± 0.23	0.756 ± 0.319	0.001	***
Recurrent RRD			0.001	***
- No	54 (98.182%)	38 (76.0%)		
- Yes	1 (1.818%)	12 (24.0%)		
Additional Surgery			0.004	***
- Buckle revision	0 (0.0%)	3 (6.0%)		
- No	54 (98.182%)	38 (76.0%)		
- Phako vitrectomy erm peeling	0 (0.0%)	1 (2.0%)		
- Vitrectomy	0 (0.0%)	2 (4.0%)		
- Vitrectomy revision	1 (1.818%)	6 (12.0%)		
ERM Detection (weeks)	18.00 ± 6.45	12.575 ± 4.385	0.009	***
ERM 2nd Surgery			0	***
- VIT and macula revision	0 (0.0%)	1 (2.439%)		
- VIT revision ERM and ILM	5 (45.455%)	40 (97.561%)		
- VIT revision ERM and ILM removal	5 (45.455%)	0 (0.0%)		
- Vit revision erm.ilm removal	1 (9.091%)	0 (0.0%)		
Final Postoperative BCVA (logMAR)	0.280 ± 0.192	0.477 ± 0.161	0.001	***
CSFT (microns)	266.71 ± 32.75	253.073 ± 35.66	0.173	
Foveal Contour			0.002	***
- Abnormal	6 (11.321%)	18 (37.5%)		
- Normal	47 (88.679%)	30 (62.5%)		
Ellipsoid integrity			0.828	
- Disrupted	16 (29.091%)	13 (26.0%)		

- Normal	39 (70.909%)	37 (74.0%)		
DONFL defects			0	***
- Absent	39 (88.63%)	21 (42.0%)		
- Present	5 (11.36%)	29 (58.0%)		
ELM line appearance			0.654	
- Disrupted	16 (29.091%)	11 (23.913%)		
- Normal	39 (70.909%)	35 (76.087%)		
mfERG result			0	***
- Abnormal	13 (33.333%)	30 (88.235%)		
- Normal	26 (66.667%)	4 (11.765%)		
Microperimetry evaluation			0	***
- Abnormal	11 (25.581%)	24 (70.588%)		
- Normal	32 (74.419%)	10 (29.412%)		
Follow-up period (months)	24.80 ±12.34	21.880 ±13.324	0.133	
<p>The p-values (p) are the results from the Wilcoxon rank sum test for the numerical variables and Fisher's Exact test for the categorical variables. The variables that showed a statistically significant difference (<math>p &lt; 0.05</math>) among the groups of the peeling (preoperative ERM proliferation) are in bold text and marked with *. sig: significance ;</p> <p>BCVA: best corrected visual acuity; VIT: Vitrectomy; ERM: Epiretinal Membrane; ILM: Internal Limiting Membrane; RRD: Rhegmatogenous Retinal Detachment; CSFT: Central Subfoveal Thickness; DONFL: Diffuse Optic Nerve Fiber Layer; ELM: External Limiting Membrane; mfERG: Multifocal Electroretinography.</p>				

**Table S12.** Correlations among the numeric variables in the Vitrectomy group (peeling and non-peeling groups)

	Age	Preoperative Macula-Off (weeks)	Preoperative BCVA (logMAR)	BCVA Before ERM and ILM removal (logMAR)	ERM Detection (Weeks)	Final Postoperative BCVA (logMAR)	CSFT (microns)	Follow-up period (months)
Age	1							
Preoperative Macula-off (weeks)	0.03 (p=0.78)	1						
Preoperative BCVA (logMAR)	-0.07 (p=0.47)	0.04 (p=0.68)	1					
BCVA Before ERM and ILM removal (logMAR)	-0.18 (p=0.07)	-0.16 (p=0.1)	-0.10 (p=0.33)	1				
ERM Detection (weeks)	-0.18 (p=0.21)	0.03 (p=0.83)	-0.29 (p=0.04)	-0.16 (p=0.26)	1			
Final Postoperative BCVA (logMAR)	-0.04 (p=0.72)	-0.05 (p=0.62)	0.10 (p=0.3)	0.78 (p=0)	0.04 (p=0.76)	1		
CSFT (microns)	0.15 (p=0.28)	0.32 (p=0.02)	0.02 (p=0.89)	-0.14 (p=0.32)	0.02 (p=0.89)	0.02 (p=0.88)	1	
Follow-up period (months)	-0.14 (p=0.18)	-0.08 (p=0.42)	0.09 (p=0.36)	-0.2 (p=0.05)	0.12 (p=0.42)	-0.05 (p=0.61)	-0.08 (p=0.6)	1

Wilcoxon rank sum test. The p-values in parenthesis (p); significant correlations (p<0.05) are in bold text. BCVA: Best Corrected Visual Acuity; ERM: Epiretinal Membrane; ILM: Internal Limiting Membrane; CSFT: Central Subfoveal Thickness.  
Spearman Rank Test nonpeeling sample=55 eyes. Peeling sample=50 eyes.

**Table S13.** Mann-Whitney U tests results A) Preoperative, B) postoperative, and C) final BCVA in the Vitrectomy group (peeling and nonpeeling groups)

<b>A. preoperative BCVA (logMAR) Mann-Whitney U tests results</b>		
Object	U	p-value
Age	5565	0.001
Macula-off (weeks)	5341	0.001
Follow-up period (days)	5565	0.001
BCVA before ERM-ILM removal (logMAR)	238	0.001
ERM detection (weeks)	1326	0.001
Final postoperative BCVA (logMAR)	0	0.001
CSFT (microns)	1540	0.001
Follow-up period (months)	4950	0.001
<b>B. postoperative BCVA (logMAR) Mann-Whitney U tests results</b>		
Object	U	p-value
Age	5565	0.001
Macula-off (weeks)	5556	0.001
Preoperative BCVA (logMAR)	4712	0.001
Follow-up period (days)	5565	0.001
ERM detection (weeks)	1326	0.001
Final postoperative BCVA (logMAR)	101.5	0.001
CSFT (microns)	1540	0.001

Follow-up period (months)	5049	0.001
<b>C. final BCVA after ERM proliferation removal (logMAR)</b>		
<b>Object</b>	<b>U</b>	<b>p-value</b>
Age	5565	0.001
Macula-off (weeks)	5565	0.001
Preoperative BCVA (logMAR)	5460	0.001
Follow-up period (days)	5565	0.001
BCVA before ERM-ILM removal (logMAR)	1074.5	0.001
ERM detection (weeks)	1326	0.001
CSFT (microns)	1540	0.001
Follow-up period (months)	5050	0.001
The statistically significant variables (p<0.05) are in bold text. BCVA: Best Corrected Visual Acuity; ERM: Epiretinal Membrane; ILM: Internal Limiting Membrane; CSFT: Central Subfoveal Thickness		

**Table S14.** Kruskal-Wallis test results A) preoperative, B) postoperative, and C) final BCVA in the Vitrectomy group (peeling and non-peeling groups)

<b>A. preoperative BCVA (logMAR) Kruskal-Wallis tests results</b>			
<b>Object</b>	<b>Kruskal-Wallis <math>\chi^2</math></b>	<b>df</b>	<b>p-value</b>
Male	0.458	1	0.499
Eye	1.878	1	0.171
Preoperative Lens Status	1.64	1	0.2
Preoperative ERM proliferations	0.76	1	0.383
First Surgery	1.055	2	0.59
BCVA Before ERM-ILM removal	9.412	12	0.667
Recurrent RRD	0.208	1	0.649
Additional surgery	1.36	4	0.851
Postoperative ERMs	0.038	1	0.846
ERM 2nd surgery	3.135	3	0.371
Final Postoperative BCVA	11.718	10	0.304
Foveal contour abnormalities	0.385	1	0.535
Ellipsoid disruption	4.175	1	0.041
DONFL defects	1.402	1	0.236
ELM line alterations	0.144	1	0.704
mfERG alterations	0.109	1	0.741
Microperimetry alterations	1.623	1	0.203
<b>B. postoperative BCVA (logMAR) Kruskal-Wallis tests results</b>			
<b>Object</b>	<b>Kruskal-Wallis <math>\chi^2</math></b>	<b>df</b>	<b>p-value</b>
Male	0.355	1	0.552
Eye	0.001	1	0.979
Preoperative Lens Status	6.083	1	0.014
Preoperative BCVA	12.845	8	0.117
Preoperative ERM proliferations	50.177	1	0.001
First surgery	47.013	2	0

Recurrent RRD		11.364	1	0.001
Additional surgery		12.324	4	0.015
Postoperative ERM proliferations		68.366	1	0.001
ERM 2nd surgery		5.469	3	0.141
Foveal Contour abnormalities		10.021	1	0.002
Ellipsoid disruption		1.091	1	0.296
DONFL defect		19.206	1	0.001
ELM line alterations		0.746	1	0.388
mfERG alterations		31.253	1	0.001
Microperimetry alterations		19.749	1	0.001
<b>C. final BCVA after ERM proliferation removal (logMAR)</b>				
<b>Object</b>	<b>Kruskal-Wallis <math>\chi^2</math></b>	<b>df</b>	<b>pvalue</b>	
Male	1.561	1	0.211	
Eye	0.121	1	0.728	
Preoperative Lens Status	1.855	1	0.173	
Preoperative ERM proliferations	33.337	1	0.001	
First surgery	13.877	2	0.001	
Recurrent RRD	9.223	1	0.002	
Additional surgery	10.697	4	0.03	
Postoperative ERM proliferations	38.068	1	0.001	
ERM 2nd surgery	1.113	3	0.774	
Foveal contour abnormalities	6.168	1	0.013	
Ellipsoid disruption	0.894	1	0.344	
DONFL defect	16.777	1	0.001	
ELM line alterations	0.375	1	0.54	
mfERG alterations	16.522	1	0.001	
Microperimetry alterations	13.15	1	0.001	
The statistically significant variables ( $p < 0.05$ ) are in bold text. df: degrees of freedom; BCVA: Best Corrected Visual Acuity; ERM: Epiretinal Membrane; ILM: Internal Limiting Membrane; RRD: Rhegmatogenous Retinal Detachment; DONFL: Diffuse Optic Nerve Fiber Layer; ELM: External Limiting Membrane; mfERG: Multifocal Electroretinography				

**Table S15.** Generalized Linear Model results A) Preoperative, B) Postoperative, and C) final BCVA in the Vitrectomy group (peeling and non-peeling groups)

<b>A. preoperative BCVA (logMAR) GLM results</b>				
	<b>Estimate</b>	<b>SE</b>	<b>t value</b>	<b>p</b>
(Intercept)	1.055	0.026	41	0
<b>B. postoperative BCVA (logMAR) GLM results</b>				

	Estimate	SE	t value	p
(Intercept)	0.515	0.067	7.7	0
Postoperative ERM proliferations	0.448	0.05	9	0
First surgery - Only Vitrectomy	-0.235	0.055	-4	0
First surgery - VIT ERM and ILM removal	0.034	0.09	0.4	1
Macula-off (weeks)	-0.019	0.008	-.3	0
Recurrent RRD	0.118	0.061	1.9	0
<b>C. final BCVA after ERM proliferation removal (logMAR) GLM results</b>				
	Estimate	SE	t value	p
(Intercept)	-0.213	0.07	-.3	0
BCVA Before ERM-ILM removal (logMAR)	0.552	0.046	12	0
First Surgery - Only Vitrectomy	0.201	0.038	5.2	0
First Surgery - VIT ERM and ILM removal	0.275	0.051	5.4	0
Preoperative BCVA (logMAR)	0.106	0.046	2.3	0
Gender - Male	0.052	0.026	2	0
The statistically significant variables (p<0.05) are in bold text. BCVA: Best Corrected Visual Acuity; GLM: Generalized Linear Models; SE: Standard Error; ERM: Epiretinal Membrane; VIT: Vitrectomy; ILM: Internal Limiting Membrane; mfERG: Multifocal Electroretinography; RRD: Rhegmatogenous Retinal Detachment				