

Supplementary Table S1. Comparison of serum lipid profile values and clinical parameters by statin type

	Atorvastatin (n=16)	Rosuvastatin (n=16)	Pitavastatin (n=11)	<i>p-value</i>
Total cholesterol (mg/dL)	153.47 (38.92)	151.75 (19.30)	161.556 (25.075)	0.439
LDL (mg/dL)	78.67 (34.18)	71.75 (21.98)	82.556 (21.477)	0.468
Triglyceride (mg/dL)	147.40 (80.43)	113.00 (40.30)	162.111 (97.257)	0.475
HDL (mg/dL)	56.53 (11.26)	65.33 (16.54)	57.333 (9.552)	0.164
SPEED	3.40 (3.18)	5.33 (5.37)	4.900 (5.405)	0.760
TBUT (sec)	4.76 (2.23)	5.85 (4.90)	4.414 (1.985)	0.832
Corneal stain	0.88 (1.26)	1.38 (1.45)	1.091 (1.300)	0.532
Conjunctival stain	3.44 (2.76)	3.25 (3.17)	4.182 (4.513)	0.918
MG expressibility	4.31 (2.24)	3.25 (2.38)	3.636 (3.295)	0.387
MG quality	11.25 (4.67)	12.69 (4.30)	12.636 (7.298)	0.687
TFL thickness(nm)	93.94 (9.43)	75.57 (26.01)	88.000 (15.240)	0.164
Meiboscore				0.404
Grade 0 (%)	80.00	84.62	75	
Grade 1 (%)	13.33	15.38	0	
Grade 2 (%)	6.67	0.00	12.5	
Grade 3 (%)	0.00	0.00	12.5	

Values are presented as the mean (standard deviation) or number (%). LDL low-density lipoprotein, HDL high-density lipoprotein, SPEED Standard patient evaluation of eye dryness, TUBT tear film break-up time, MG meibomian gland, TFL tear film lipid layer. The bolds stand out for the “statistically significant”.

Supplementary Table S2. (A) Comparison of serum lipid profile values and clinical parameters according to atorvastatin dose **(B)** Comparison of serum lipid profile values and clinical parameters according to

rosuvastatin dose.

Table S2(A)

	Atorvastatin		<i>p-value</i>
	10mg	20mg	
Total cholesterol (mg/dL)	155.42 (41.05)	145.67 (34.93)	0.470
LDL (mg/dL)	80.50 (37.43)	71.33 (19.30)	0.885
Triglyceride (mg/dL)	146.50 (65.12)	151.00 (148.09)	0.564
HDL (mg/dL)	56.67 (12.17)	56.00 (8.54)	0.942
SPEED	2.83 (3.21)	5.67 (2.08)	0.160
TBUT (sec)	4.66 (2.47)	5.20 (0.36)	0.459
Corneal stain	1.08 (1.32)	0.00 (0.00)	0.118
Conjunctival stain	3.62 (2.90)	2.67 (2.31)	0.838
MG expressibility	4.46 (2.44)	3.67 (1.15)	0.337
MG quality	10.77 (4.73)	13.33 (4.62)	0.491
TFL thickness(nm)	93.46 (10.10)	96.00 (6.93)	0.757
Meiboscore			0.519
Grade 0 (%)	83.33	66.67	
Grade 1 (%)	8.33	33.33	
Grade 2 (%)	8.33	0.00	
Grade 3 (%)	0.00	0.00	

Table S2(B)

	Rosuvastatin		<i>p-value</i>
	5mg	10mg	

Total cholesterol (mg/dL)	157.80 (24.05)	147.43 (15.66)	0.164
LDL (mg/dL)	83.20 (29.22)	63.57 (11.37)	0.290
Triglyceride (mg/dL)	111.80 (43.29)	113.86 (41.55)	0.807
HDL (mg/dL)	61.80 (21.90)	67.86 (12.80)	0.744
SPEED	5.14 (5.52)	5.50 (5.61)	0.907
TBUT (sec)	7.43 (7.10)	4.62 (1.84)	0.874
Corneal stain	1.43 (1.81)	1.33 (1.22)	0.826
Conjunctival stain	2.57 (3.60)	3.78 (2.91)	0.328
MG expressibility	3.86 (2.27)	2.78 (2.49)	0.335
MG quality	11.29 (4.39)	13.78 (4.15)	0.415
TFL thickness(nm)	82.67 (24.88)	70.25 (27.18)	0.543
Meiboscore			0.155
Grade 0 (%)	100.00	71.43	
Grade 1 (%)	0.00	28.57	
Grade 2 (%)	0.00	0.00	
Grade 3 (%)	0.00	0.00	

Values are presented as mean (standard deviation) or number (%). LDL Low-density lipoprotein, HDL high-density lipoprotein, SPEED Standard patient evaluation of eye dryness, TUBT tear film break-up time, MG meibomian gland, TFL tear film lipid layer. The bolds stand out for the “statistically significant”.

Supplementary Table S3. Comparison of serum lipid profile values and clinical parameters according to total duration of statin use.

Duration					<i>p-value</i>
<5years	5-9years	10-14years	≥ 15years		
(n=16)	(n=8)	(n=9)	(n=10)		

Total cholesterol	168.86 (27.43)	166.17 (35.10)	142.22 (34.62)	148.00 (21.52)	0.147
LDL (mg/dL)	87.86 (29.38)	88.83 (35.59)	68.00 (24.99)	70.56 (17.56)	0.240
Triglyceride	153.07 (88.69)	120.50 (40.31)	179.89 (86.31)	99.33 (33.35)	0.135
HDL (mg/dL)	60.00 (16.59)	61.50 (10.97)	53.78 (7.21)	65.56 (12.47)	0.213
SPEED	4.40 (5.18)	5.89 (5.04)	4.70 (4.14)	2.88 (2.90)	0.542
TBUT (sec)	5.37 (2.47)	4.43 (1.80)	4.15 (2.14)	6.03 (5.94)	0.447
Corneal stain	1.25 (1.39)	1.11 (1.36)	1.30 (1.16)	1.10 (1.73)	0.864
Conjunctival stain	2.81 (3.41)	4.67 (3.57)	3.90 (3.07)	4.40 (3.86)	0.431
MG expressibility	3.94 (2.95)	4.00 (2.45)	4.00 (2.31)	2.80 (2.20)	0.614
MG quality	12.81 (5.36)	11.44 (5.27)	10.10 (5.11)	13.70 (4.83)	0.393
TFL thickness(nm)	80.25 (18.57)	91.89 (10.46)	92.20 (18.50)	80.60 (25.94)	0.283
Meiboscore					0.154
Grade 0 (%)	81.82	100.00	50.00	87.50	
Grade 1 (%)	9.09	0.00	30.00	12.50	
Grade 2 (%)	0.00	0.00	20.00	0.00	
Grade 3 (%)	9.09	0.00	0.00	0.00	

Values are presented as the mean (standard deviation) or number (%). LDL low-density lipoprotein, HDL high-density lipoprotein, SPEED Standard patient evaluation of eye dryness, TUBT tear film break-up time, MG meibomian gland, TFL tear film lipid layer. The bolds stand out for the “statistically significant”.