

Supplementary Table 1 Adjusted mean differences with 95% confidence intervals between the silicone oil and Air groups

Parameter	Region	1 month			3 months		
		SO	Air	Adjusted mean	SO	Air	Adjusted mean
				differences (95% CI)			differences (95% CI)
RT (µm)	Foveal	262.5 ± 25.4	265.9 ± 28.0	-6.2 (-20.1 to 7.7)	256.7 ± 24.5	260.5 ± 25.3	-6.8 (-18.8 to 5.2)
	Parafoveal	382.9 ± 48.4	357.4 ± 25.9	+30.5 (10.6 to 50.4)	380.4 ± 45.7	355.6 ± 26.4	+26.7 (6.4 to 47.0)
	Perifoveal	388.6 ± 46.3	360.5 ± 26.1	+29.9 (7.5 to 52.2)	381.4 ± 44.6	354.5 ± 25.8	+24.7 (1.8 to 47.7)
VD in the	Foveal	31.1 ± 2.9	30.8 ± 1.4	+0.4 (-0.7 to 1.6)	31.7 ± 2.2	31.9 ± 0.9	-0.3 (-1.2 to 0.6)
SCP (%)	Parafoveal	44.6 ± 4.9	42.8 ± 1.6	+2.1 (-0.2 to 4.4)	45.3 ± 1.9	44.5 ± 2.9	+0.6 (-0.7 to 1.9)
	Perifoveal	43.5 ± 3.2	42.7 ± 2.3	+1.1 (-0.5 to 2.6)	45.1 ± 5.2	46.3 ± 4.3	-0.9 (-3.5 to 1.7)
VD in the	Foveal	35.8 ± 2.7	34.3 ± 1.5	+1.1 (-0.3 to 2.5)	35.5 ± 2.4	35.1 ± 3.9	+0.4 (-1.1 to 2.0)
DCP (%)	Parafoveal	41.7 ± 3.2	43.2 ± 1.9	-1.4 (-3.0 to 0.1)	40.8 ± 2.3	46.5 ± 3.7	-5.9 (-7.4 to -4.4)
	Perifoveal	42.4 ± 7.5	42.8 ± 2.0	-0.7 (-4.0 to 2.6)	41.2 ± 6.1	45.4 ± 3.1	-4.7 (-6.4 to -3.0)
FAZ (mm²)		0.42 ± 0.14	0.35 ± 0.05	+0.06 (0.01 to 0.11)	0.57 ± 0.07	0.38 ± 0.10	+0.18 (0.13 to 0.22)
BCVA (logMAR)		0.82 ± 0.33	0.56 ± 0.32	+0.27 (0.10 to 0.44)	0.71 ± 0.34	0.45 ± 0.26	+0.29 (0.14 to 0.44)

BCVA: Best-corrected visual acuity; CI: Confidence interval; DCP: Deep capillary plexus; FAZ: Foveal avascular zone; RT: Retinal thickness; SCP: Superficial capillary plexus; SO: Silicone oil; VD: Vascular density.

Supplementary Table 2 Adjusted mean differences with 95% confidence intervals before and after silicone oil removal

Parameter	Region	1 month			3 months		
		SO	SOR	Adjusted mean	SO	SOR	Adjusted mean

				differences		differences	
				(95% CI)		(95% CI)	
RT (μm)	Foveal	261.9 ± 22.1	264.8 ± 32.2	+5.1 (-12.6 to 22.9)	254.1 ± 21.2	255.7 ± 25.3	+2.0 (-12.2 to 16.2)
	Parafoveal	388.8 ± 44.3	380.7 ± 25.5	-7.2 (-28.6 to 14.2)	387.1 ± 45.6	378.1 ± 25.1	-4.1 (-25.7 to 17.5)
	Perifoveal	397.0 ± 48.7	380.0 ± 34.3	-10.4 (-36.3 to 15.6)	376.2 ± 49.6	375.1 ± 30.7	-4.1 (-29.7 to 21.4)
VD in the	Foveal	31.0 ± 2.6	31.6 ± 2.3	+0.4 (-1.1 to 1.9)	31.8 ± 2.0	33.0 ± 4.6	+1.3 (-0.9 to 3.6)
SCP (%)	Parafoveal	45.0 ± 5.4	44.5 ± 4.1	-0.6 (-3.3 to 2.2)	45.1 ± 2.2	44.1 ± 1.6	-1.0 (-2.1 to 0.1)
	Perifoveal	43.5 ± 3.2	44.3 ± 3.2	+0.6 (-1.4 to 2.5)	45.3 ± 5.0	45.0 ± 2.1	-0.4 (-2.7 to 1.9)
VD in the	Foveal	35.2 ± 2.0	34.9 ± 4.3	-0.8 (-3.0 to 1.4)	35.7 ± 1.8	35.9 ± 3.1	+0.4 (-1.2 to 2.0)
DCP (%)	Parafoveal	41.2 ± 3.3	41.2 ± 5.2	-0.6 (-3.3 to 2.2)	40.6 ± 1.9	44.1 ± 3.1	+3.5 (1.9 to 5.1)
	Perifoveal	42.7 ± 8.4	40.8 ± 2.7	-1.2 (-4.7 to 2.2)	40.5 ± 3.3	43.9 ± 3.7	+3.2 (1.1 to 5.4)
FAZ (mm²)		0.43 ± 0.13	0.54 ± 0.15	+0.13 (0.04 to 0.21)	0.56 ± 0.09	0.58 ± 0.07	+0.02(-0.03 to 0.07)
BCVA (logMAR)		0.82 ± 0.33	0.85 ± 0.32	-0.10 (-0.28 to 0.09)	0.74 ± 0.31	0.55 ± 0.22	-0.17(-0.34 to -0.01)

BCVA: Best-corrected visual acuity; CI: Confidence interval; DCP: Deep capillary plexus; FAZ: Foveal avascular zone; RT: Retinal thickness; SCP: Superficial capillary plexus; SO: Silicone oil; SOR: Silicone oil removal; VD: Vascular density.