

Reichel, Berlin, Radun, Tarau, Hillenkamp, Kleefeldt, Sloan, Ach: Quantitative fundus autofluorescence in systemic chloroquine/hydroxy-chloroquine therapy. TVST, 2020.

Supplement Table 1: Retinal thickness in CQ/HCQ patients and controls at 11 points along a horizontal scan.

CQ: chloroquine; HCQ: hydroxychloroquine. QAF: quantitative fundus autofluorescence. ILM: internal limiting membrane, RPE: retinal pigment epithelium; ELM: external limiting membrane.

Values are presented as means \pm standard deviation.

Retinal thickness in CQ/HCQ patients and controls

Parameter	CQ/HCQ	Controls	p value
11 points			
Without BEM			
Whole Retina (ILM-RPE)			
2.5 mm from fovea (nasal)	312.8 \pm 23.0	315.2 \pm 13.7	p = 0.901
2.0 mm from fovea (nasal)	333.5 \pm 23.7	335.6 \pm 13.2	p = 0.927
1.5 mm from fovea (nasal)	357.6 \pm 23.6	358.4 \pm 14.2	p = 0.989
1.0 mm from fovea (nasal)	359.0 \pm 20.2	353.0 \pm 16.6	p = 1.000
0.5 mm from fovea (nasal)	318.2 \pm 21.5	298.3 \pm 18.4	p = 0.010
fovea	238.5 \pm 19.9	218.2 \pm 11.5	p = 0.007
0.5 mm from fovea (temporal)	309.4 \pm 19.7	291.9 \pm 17.6	p = 0.777
1.0 mm from fovea (temporal)	339.9 \pm 19.4	336.8 \pm 13.3	p = 0.996
1.5 mm from fovea (temporal)	326.4 \pm 18.6	327.2 \pm 12.5	p = 0.759
2.0 mm from fovea (temporal)	300.1 \pm 19.0	300.6 \pm 12.0	p = 0.877
2.5 mm from fovea (temporal)	276.0 \pm 18.0	277.3 \pm 11.1	p = 1.000
Inner Retina (ILM-ELM)			
2.5 mm from fovea (nasal)	230.6 \pm 21.6	231.6 \pm 13.1	p = 0.979
2.0 mm from fovea (nasal)	249.6 \pm 22.8	251.1 \pm 11.8	p = 0.960

Parameter	CQ/HCQ	Controls	p value
11 points			
With BEM			
Whole Retina (ILM-RPE)			
2.5 mm from fovea (nasal)	251.6 \pm 26.7	318.2 \pm 12.1	p = 0.012
2.0 mm from fovea (nasal)	257.4 \pm 26.1	334.1 \pm 09.6	p = 0.006
1.5 mm from fovea (nasal)	267.2 \pm 31.6	361.3 \pm 11.4	p < 0.001
1.0 mm from fovea (nasal)	272.0 \pm 27.8	352.1 \pm 17.1	p < 0.001
0.5 mm from fovea (nasal)	229.1 \pm 30.8	300.5 \pm 17.5	p < 0.016
fovea	161.9 \pm 45.6	221.7 \pm 12.2	p = 0.077
0.5 mm from fovea (temporal)	208.7 \pm 30.8	294.2 \pm 14.5	p < 0.001
1.0 mm from fovea (temporal)	233.0 \pm 11.2	342.8 \pm 12.3	p = 0.001
1.5 mm from fovea (temporal)	229.1 \pm 20.2	335.9 \pm 09.3	p = 0.001
2.0 mm from fovea (temporal)	214.5 \pm 29.7	307.4 \pm 09.5	p = 0.007
2.5 mm from fovea (temporal)	201.8 \pm 36.6	281.3 \pm 08.3	p = 0.021
Inner Retina (ILM-ELM)			
2.5 mm from fovea (nasal)	189.2 \pm 13.7	234.3 \pm 11.6	p < 0.001
2.0 mm from fovea (nasal)	200.9 \pm 28.9	255.6 \pm 09.6	p < 0.001

1.5 mm from fovea (nasal)	268.8 ± 21.3	270.4 ± 13.9	p = 0.959
1.0 mm from fovea (nasal)	266.9 ± 19.0	261.6 ± 16.1	p = 0.600
0.5 mm from fovea (nasal)	214.8 ± 16.9	199.9 ± 17.9	p = 0.010
fovea	127.8 ± 20.5	111.1 ± 13.1	p = 0.003
0.5 mm from fovea (temporal)	210.9 ± 18.3	196.3 ± 17.6	p = 0.016
1.0 mm from fovea (temporal)	248.7 ± 18.2	246.2 ± 13.3	p = 0.842
1.5 mm from fovea (temporal)	240.6 ± 16.9	241.3 ± 12.2	p = 0.983
2.0 mm from fovea (temporal)	215.0 ± 15.7	216.0 ± 10.5	p = 0.962
2.5 mm from fovea (temporal)	192.0 ± 15.8	193.2 ± 10.4	p = 0.958

Outer Retina (ELM-RPE)

2.5 mm from fovea (nasal)	82.2 ± 6.4	83.6 ± 5.3	p = 0.756
2.0 mm from fovea (nasal)	83.9 ± 6.0	84.5 ± 4.2	p = 1.000
1.5 mm from fovea (nasal)	88.8 ± 7.4	88.0 ± 6.3	p = 0.941
1.0 mm from fovea (nasal)	92.0 ± 7.5	91.4 ± 5.3	p = 0.955
0.5 mm from fovea (nasal)	100.2 ± 6.2	98.4 ± 5.6	p = 1.000
fovea	110.8 ± 8.0	107.2 ± 5.3	p = 0.414
0.5 mm from fovea (temporal)	98.4 ± 6.3	95.6 ± 5.9	p = 0.920
1.0 mm from fovea (temporal)	91.3 ± 6.3	90.6 ± 4.8	p = 0.912
1.5 mm from fovea (temporal)	85.8 ± 7.0	85.9 ± 4.6	p = 0.998
2.0 mm from fovea (temporal)	85.2 ± 7.2	84.6 ± 4.9	p = 0.952
2.5 mm from fovea (temporal)	83.9 ± 5.8	84.2 ± 5.3	p = 0.993

1.5 mm from fovea (nasal)	225.2 ± 40.1	275.3 ± 08.9	p = 0.086
1.0 mm from fovea (nasal)	217.4 ± 36.8	262.0 ± 16.0	p = 0.007
0.5 mm from fovea (nasal)	175.5 ± 14.6	204.8 ± 15.3	p = 0.007
fovea	88.7 ± 21.0	113.8 ± 12.7	p = 0.016
0.5 mm from fovea (temporal)	158.9 ± 17.8	200.2 ± 15.9	p = 0.001
1.0 mm from fovea (temporal)	199.9 ± 10.3	251.2 ± 12.1	p < 0.001
1.5 mm from fovea (temporal)	184.3 ± 21.0	249.5 ± 08.2	p = 0.006
2.0 mm from fovea (temporal)	162.8 ± 21.5	222.4 ± 07.1	p = 0.010
2.5 mm from fovea (temporal)	148.2 ± 23.0	199.0 ± 07.4	p < 0.001

Outer Retina (ELM-RPE)

2.5 mm from fovea (nasal)	62.4 ± 16.5	85.0 ± 6.1	p = 0.030
2.0 mm from fovea (nasal)	56.6 ± 25.8	85.0 ± 3.6	p = 0.114
1.5 mm from fovea (nasal)	41.9 ± 16.4	85.9 ± 4.5	p = 0.011
1.0 mm from fovea (nasal)	54.6 ± 22.3	90.2 ± 4.7	p = 0.048
0.5 mm from fovea (nasal)	53.6 ± 29.8	95.7 ± 5.4	p = 0.065
fovea	73.1 ± 30.9	108.0 ± 5.2	p = 0.109
0.5 mm from fovea (temporal)	49.7 ± 17.0	94.0 ± 6.5	p < 0.001
1.0 mm from fovea (temporal)	33.2 ± 9.3	91.3 ± 4.9	p < 0.001
1.5 mm from fovea (temporal)	44.9 ± 15.1	86.3 ± 3.9	p = 0.011
2.0 mm from fovea (temporal)	51.7 ± 17.8	85.0 ± 4.8	p = 0.031
2.5 mm from fovea (temporal)	53.6 ± 19.7	82.3 ± 6.5	p = 0.059