

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

**Supplement Table 2: Correlation of retinal thickness and QAF.**

CQ: chloroquine; HCQ: hydroxychloroquine. QAF: quantitative fundus autofluorescence. ILM: internal limiting membrane, RPE: retinal pigment epithelium; ELM: external limiting membrane. BEM: bull's eye maculopathy. Values are presented as means  $\pm$  standard deviation.

### Correlation of retinal thickness and QAF

11 points

Without BEM		Whole Retina (ILM-RPE)			Inner Retina (ILM-ELM)			Outer retina (ELM -RPE)		
Position	Mean QAF [QAF a.u.]	Retinal thickness [μm]	Correlation coefficient	p value	Retinal thickness [μm]	Correlation coefficient	p value	Retinal thickness [μm]	Correlation coefficient	p value
2.5 mm from fovea (nasal)	163.8 ± 25.5	312.8 ± 23.0	-0.018	p = 0.931	230.6 ± 21.6	-0.5	p = 0.783	82.2 ± 6.4	0.14	p = 0.437
2.0 mm from fovea (nasal)	154.8 ± 29.8	333.5 ± 23.7	0.092	p = 0.663	249.6 ± 22.8	0.099	p = 0.583	83.9 ± 6.0	0.3	p = 0.090
1.5 mm from fovea (nasal)	148.0 ± 32.2	357.6 ± 23.6	0.050	p = 0.811	268.8 ± 21.3	0.105	p = 0.562	88.8 ± 7.4	0.079	p = 0.661
1.0 mm from fovea (nasal)	147.6 ± 33.4	359.0 ± 20.2	0.272	p = 0.188	266.9 ± 19.0	0.253	p = 0.155	92.0 ± 7.5	0.271	p = 0.127
0.5 mm from fovea (nasal)	149.6 ± 33.7	318.2 ± 21.5	0.111	p = 0.162	214.8 ± 16.9	0.232	p = 0.193	100.2 ± 6.2	-0.058	p = 0.747
fovea	135.4 ± 30.0	238.5 ± 19.9	0.122	p = 0.560	127.8 ± 20.5	-0.001	p = 0.996	110.8 ± 8.0	0.165	p = 0.360
0.5 mm from fovea (temporal)	144.6 ± 35.7	309.4 ± 19.7	0.111	p = 0.599	210.9 ± 18.3	0.057	p = 0.755	98.4 ± 6.3	0.057	p = 0.753
1.0 mm from fovea (temporal)	144.8 ± 38.5	339.9 ± 19.4	0.069	p = 0.744	248.7 ± 18.2	0.042	p = 0.816	91.3 ± 6.3	0.288	p = 0.104
1.5 mm from fovea (temporal)	144.9 ± 38.4	326.4 ± 18.6	0.027	p = 0.900	240.6 ± 16.9	0.184	p = 0.305	85.8 ± 7.0	0.1	p = 0.581
2.0 mm from fovea (temporal)	144.2 ± 40.3	300.1 ± 19.0	0.059	p = 0.778	215.0 ± 15.7	0.033	p = 0.855	85.2 ± 7.2	0.032	p = 0.862
2.5 mm from fovea (temporal)	142.5 ± 38.6	276.0 ± 18.0	0.34	p = 0.871	192.0 ± 15.8	0.086	p = 0.635	83.9 ± 5.8	0.175	p = 0.330
<b>With BEM</b>		<b>Whole Retina (ILM-RPE)</b>			<b>Inner Retina (ILM-ELM)</b>			<b>Outer retina (ELM -RPE)</b>		
Position	Mean QAF [QAF a.u.]	Retinal thickness [μm]	Correlation coefficient	p value	Retinal thickness [μm]	Correlation coefficient	p value	Retinal thickness [μm]	Correlation coefficient	p value
2.5 mm from fovea (nasal)	134.5 ± 22.6	251.6 ± 26.7	-0.502	p = 0.389	189.2 ± 13.7	-0.225	p = 0.716	62.4 ± 16.5	-0.535	p = 0.353
2.0 mm from fovea (nasal)	133.4 ± 39.6	257.4 ± 26.1	0.054	p = 0.932	200.9 ± 28.9	0.373	p = 0.537	56.6 ± 25.8	-0.821	p = 0.089
1.5 mm from fovea (nasal)	130.5 ± 45.1	267.2 ± 31.6	0.241	p = 0.696	225.2 ± 40.1	-0.043	p = 0.945	41.9 ± 16.4	-0.935	p = 0.020
1.0 mm from fovea (nasal)	118.9 ± 28.1	272.0 ± 27.8	-0.631	p = 0.254	217.4 ± 36.8	0.073	p = 0.907	54.6 ± 22.3	-0.616	p = 0.268
0.5 mm from fovea (nasal)	117.8 ± 20.7	229.1 ± 30.8	-0.603	p = 0.281	175.5 ± 14.6	-0.619	p = 0.266	53.6 ± 29.8	-0.359	p = 0.553
fovea	127.6 ± 39.6	161.9 ± 45.6	0.033	p = 0.958	88.7 ± 21.0	-0.574	p = 0.312	73.1 ± 30.9	-0.015	p = 0.980

0.5 mm from fovea (temporal)	108.1 ± 21.4	208.7 ± 30.8	-0.489	p = 0.403	158.9 ± 17.8	-0.422	p = 0.479	49.7 ± 17.0	-0.599	p = 0.286
1.0 mm from fovea (temporal)	137.8 ± 25.3	233.0 ± 11.2	-0.092	p = 0.884	199.9 ± 10.3	-0.226	p = 0.715	33.2 ± 9.3	-0.783	p = 0.228
1.5 mm from fovea (temporal)	132.6 ± 32.7	229.1 ± 20.2	-0.283	p = 0.645	184.3 ± 21.0	0.54	p = 0.348	44.9 ± 15.1	-0.266	p = 0.665
2.0 mm from fovea (temporal)	130.3 ± 12.5	214.5 ± 29.7	0.115	p = 0.854	162.8 ± 21.5	-0.126	p = 0.841	51.7 ± 17.8	-0.2	p = 0.747
2.5 mm from fovea (temporal)	121.9 ± 7.5	201.1 ± 36.6	0.093	p = 0.882	148.2 ± 23.0	-0.574	p = 0.311	53.6 ± 19.7	-0.579	p = 0.307