

Supplementary Table S2. The correlation between oxygen saturation (%) and foveal, parafoveal OCT parameters (RNFL RETINA, GCL, BMCSI, RETINAL THICKNESS, RNFL optic disc) and OCTA parameters (SCP-superficial capillary plexus, DCP-deep capillary plexus, CC-choriocapillaris, FAZ s – superficial foveal avascular zone, FAZ d- deep foveal avascular zone, F- foveal area, S- superior area, N-nasal area, I-inferior area, T-temporal area, Mean SCP consist of S,N,I,T , Mean DCP consist of S,N,I,T areas , Mean CC consist of S,N,I,T areas) in COVID-19 patients. Mean \pm SEM (standard error of the mean) structural OCT values. Bold values denote statistical significance at the $p < 0.05$ level.

Variables	Oxygen saturation	p
OCT A F SCP	-0.22	0.016^P
OCT A F DCP(LOG10)	-0.13	0.171 ^P
OCT A F CC	-0.11	0.215 ^{Sp}
OCT A S SCP	0.08	0.357 ^{Sp}
OCT A S DCP	-0.01	0.950 ^{Sp}
OCT A S CC	-0.01	0.896 ^{Sp}
N SCP (%)	0.11	0.208 ^{Sp}
N DCP (%)	0.01	0.943 ^P
N CC (%)	-0.05	0.564 ^P
I SCP (%)	0.13	0.175 ^{Sp}
I DCP (%)	-0.08	0.373 ^{Sp}
I CC (%)	-0.08	0.351 ^P
T SCP (%)	0.07	0.436 ^P
T DCP (%)	-0.16	0.085 ^P (for saturation level $\leq 90\%$: $r = -0.47$; $p = 0.045$)
T CC (%)	-0.12	0.181 ^{Sp} (for saturation level $\leq 90\%$: $r = -0.59$; $p = 0.007$)
Mean SCP (%)	0.02	0.867 ^{Sp}
Mean DCP (%)	-0.15	0.113 ^P (for saturation level $\leq 90\%$: $r = -0.55$; $p = 0.016$)
Mean CC (%)	-0.14	0.115 ^{Sp}
FAZs (μm^2)	-0.20	0.025 ^P
FAZd (μm^2)	0.14	0.138 ^{Sp}
RNFL OPTIC DISC S	-0.13	0.175 ^{Sp} (for saturation level $\leq 90\%$: $r = -0.65$; $p = 0.005$)
RNFL OPTIC DISC N	0.08	0.367 ^P
RNFL OPTIC DISC I	0.02	0.802 ^{Sp}
RNFL OPTIC DISC T	0.10	0.262 ^{Sp} (for saturation level $\leq 90\%$: $r = -0.60$; $p = 0.012$)
Total thickness RNFL OPTIC DISC	-0.03	0.767 ^P
F RETINAL THICKNESS	-0.07	0.474 ^{Sp}
RETINAL THICKNESS ISR	-0.06	0.537 ^{Sp} (for saturation level $\leq 90\%$: $r = 0.50$; $p = 0.029$)
RETINAL THICKNESS INR	0.06	0.505 ^P
RETINAL THICKNESS IIR	0.04	0.680 ^P
RETINAL THICKNESS ITR	-0.09	0.309 ^{Sp} (for saturation level $\leq 90\%$: $r = 0.49$; $p = 0.034$)
RETINAL THICKNESS OSR	-0.05	0.579 ^{Sp} (for saturation level $\leq 90\%$: $r = 0.56$; $p = 0.012$)
RETINAL THICKNESS ONR	-0.07	0.457 ^{Sp}

RETINAL THICKNESS OIR	-0.02	0.816 ^P
RETINAL THICKNESS OTR	-0.07	0.446 ^P (for saturation level ≤90 %: r=0.62;p=0.004)
RNFL RETINA F	-0.07	0.497 ^{Sp}
RNFL RETINA ISR	-0.01	0.904 ^P
RNFL RETINA INR	0.11	0.237 ^{Sp}
RNFL RETINA IIR	0.13	0.162 ^{Sp} (for saturation level ≤ 90%; r=0.50; p=0.030)
RNFL RETINA ITR	-0.08	0.407 ^{Sp} (for saturation level ≤90 %: r=0.50; p=0.032)
RNFL RETINA OSR	0.09	0.334 ^{Sp}
RNFL RETINA ONR	0.05	0.602 ^P
RNFL RETINA OIR	0.004	0.958 ^P
RNFL RETINA OTR	-0.02	0.826 ^{Sp}
GCL F	-0.11	0.224 ^{Sp}
GCL ISR	0.06	0.538 ^{Sp} (for saturation level ≤ 90%: r=0.53;p=0.02)
GCL INR	0.07	0.456 ^{Sp}
GCL IIR	0.15	0.109 ^{Sp} (for saturation level ≤ 90%: r=0.46;p=0.047)
GCL ITR	0.01	0.955 ^{Sp}
GCL OSR	0.10	0.278 ^{Sp}
GCL ONR	0.08	0.386 ^P
GCL OIR	0.03	0.700 ^P (for saturation level: 90%-95%; r=0.33; p=0.012)
GCL OTR	0.003	0.974 ^P
BMCSI F	-0.01	0.899 ^P
BMCSI ISR	-0.04	0.657 ^P
BMCSI INR	-0.02	0.862 ^P
BMCSI IIR	0.04	0.658 ^P
BMCSI ITR	0.03	0.720 ^P
BMCSI OSR	0.09	0.328 ^P
BMCSI ONR	0.11	0.223 ^P (for saturation level: ≤90%; r=0.52;p=0.021; for saturation level: 90%-95%: r= -0.38;p=0.007)
BMCSI OIR	0.08	0.407 ^P
BMCSI OTR	0.08	0.365 ^P

^{Sp}-Spearman rank correlation, ^P- Pearson correlation