

**Supplemental material:**

<b>Summary of quantitative OCTA features for eyes of different DR severity levels</b>					
	Healthy control n=33 Mean (± SD)	No DR n= 51 Mean (± SD)	Mild n=41 Mean (± SD)	Mod/severe n=37 Mean (± SD)	Proliferative n=30 Mean (± SD)
<b>PD of SCC</b>					
<b>Parafovea</b>	0.50 (0.02)	0.50 (0.02)	0.48 (0.03)	0.45 (0.04)	0.42 (0.04)
<b>T</b>	0.46 (0.02)	0.46 (0.02)	0.45 (0.05)	0.38 (0.05)	0.32 (0.07)
<b>ST</b>	0.47(0.02)	0.47 (0.02)	0.45 (0.04)	0.39 (0.05)	0.34 (0.07)
<b>IT</b>	0.46 (0.03)	0.47 (0.03)	0.47 (0.03)	0.40 (0.05)	0.33 (0.07)
<b>N</b>	0.49 (0.03)	0.49 (0.03)	0.50 (0.03)	0.45 (0.05)	0.41 (0.07)
<b>SN</b>	0.46 (0.04)	0.46 (0.04)	0.46 (0.04)	0.42 (0.05)	0.36 (0.07)
<b>IN</b>	0.45 (0.04)	0.46 (0.03)	0.45 (0.04)	0.39 (0.05)	0.34 (0.08)
<b>FD of SCC</b>					
<b>Parafovea</b>	1.72 (0.01)	1.72 (0.01)	1.71 (0.01)	1.70 (0.01)	1.68 (0.02)
<b>T</b>	1.70 (0.01)	1.70 (0.01)	1.70 (0.02)	1.67 (0.02)	1.66 (0.05)
<b>ST</b>	1.71 (0.01)	1.71 (0.01)	1.70 (0.01)	1.68 (0.02)	1.64 (0.05)
<b>IT</b>	1.70 (0.01)	1.71 (0.01)	1.71 (0.01)	1.68 (0.02)	1.65 (0.05)
<b>N</b>	1.71 (0.01)	1.71 (0.01)	1.72 (0.01)	1.70 (0.02)	1.67 (0.04)
<b>SN</b>	1.70 (0.02)	1.70 (0.01)	1.70 (0.01)	1.69 (0.02)	1.66 (0.05)
<b>IN</b>	1.70 (0.01)	1.70 (0.01)	1.70 (0.01)	1.67 (0.02)	1.65 (0.05)
<b>PD of DCC</b>					
<b>Parafovea</b>	0.49 (0.02)	0.48 (0.03)	0.47 (0.02)	0.44 (0.04)	0.43 (0.05)
<b>T</b>	0.50 (0.02)	0.48 (0.03)	0.48 (0.02)	0.41 (0.07)	0.40 (0.09)
<b>ST</b>	0.50 (0.01)	0.49 (0.03)	0.48 (0.03)	0.41 (0.07)	0.39 (0.08)
<b>IT</b>	0.50 (0.02)	0.48 (0.02)	0.48 (0.03)	0.41 (0.06)	0.39 (0.10)
<b>N</b>	0.50 (0.02)	0.48 (0.03)	0.48 (0.03)	0.39 (0.09)	0.41 (0.07)
<b>SN</b>	0.50 (0.03)	0.49 (0.02)	0.47 (0.03)	0.40 (0.07)	0.39 (0.09)
<b>IN</b>	0.49 (0.02)	0.48 (0.03)	0.47 (0.03)	0.37 (0.07)	0.38 (0.08)

Main outcomes for each of the seven 3x3mm areas scanned with OCTA:

T= temporal, ST= superior temporal, IT inferior temporal, N= nasal, SN= superior nasal, IN= inferior nasal; PD= perfusion density, FD= fractal dimension, SCC=superficial capillary complex, DCC= deep capillary complex