Supplementary Online Content

Hwang TS, Gao SS, Liu L, et al. Automated quantification of capillary nonperfusion using optical coherence tomography angiographic in diabetic retinopathy. *JAMA Ophthalmol*. Published online January 21, 2016. doi:10.1001/jamaophthalmol.2015.5658.

eTable 1. Patient Characteristics **eTable 2.** Additional Statistics on Vessel Densities and Avascular Areas in Diabetics vs Nondiabetics **eFigure.** Nonperfusion Detection in Healthy Controls

This supplementary material has been provided by the authors to give readers additional information about their work.

Subject	Sex	Age	Study Eye	Retinopathy Severity	DME ^a	VA ^b
1	М	63	OD	Mild NPDR ^c	Yes	20/150
2	М	67	OS	Mild NPDR	Yes	20/50
3	М	65	OD	Moderate NPDR	Yes	20/25
4	М	47	OS	PDR^{d}	Yes	20/40
5	Μ	28	OS	PDR	No	20/30
6	F	53	OS	PDR	No	20/50
7	F	41	OD	PDR	No	20/20
8	F	51	OD	PDR	Yes	20/20
9	М	59	OD	PDR	No	20/15-2
10	М	55	OD	PDR	No	20/25
11	Μ	63	OD	PDR	Yes	20/50
12	F	70	OD	PDR	Yes	20/40

eTable 1. Patient Characteristics

- a. DME: diabetic macular edema,
- b. VA: Best-corrected Snellen visual acuity,
- c. NPDR: nonproliferative diabetic retinopathy,
- d. PDR: proliferative diabetic retinopathy

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eTable 2. Additional Statistics on Vessel Densities and Avascular Areas in Diabetics vs Nondiabetics

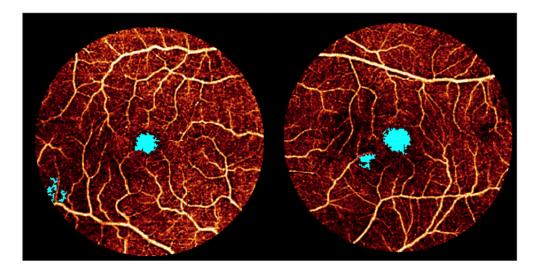
	Mean Differenceª (95% CI)	PPV ^b	NPV ^c
Parafoveal Vessel Density (%)	12.6 (7.7-17.5)	100%	70.6%
Perifoveal Vessel Density (%)	10.4 (6.8-14.1)	100%	80.0%
FAZ ^d Area (mm ²)	-0.16 (-0.280.05)	85.7%	64.7%
Total Avascular Area (mm ²)	-0.82 (-0.990.65)	92.3%	100%

a. Mean difference calculated from normal value minus DR value

- b. PPV: positive predictive value
- c. NPV: negative predictive value
- d. FAZ: Foveal avascular zone

eFigure. Nonperfusion Detection in Healthy Controls

OCT angiogram of healthy controls that had small detectable areas of nonperfusion.



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