

Supplementary Materials

Intraretinal Microvascular Abnormalities in Eyes with Advanced Stages of Nonproliferative Diabetic Retinopathy: Comparison Between UWF-FFA, CFP and OCTA – The RICHARD Study

Ana R Santos^{1,2,3}, Marta Lopes¹, Torcato Santos¹, Débora Reste-Ferreira¹, Inês P Marques^{1,2,4}, Taffeta CN Yamaguchi⁵, Telmo Miranda¹, Luís Mendes¹, António CV Martinho^{1,6}, Liz Pearce⁷, José Cunha-Vaz^{1,8}

¹AIBILI - Association for Innovation and Biomedical Research on Light and Image, Coimbra, Portugal

²CORC – Coimbra Ophthalmology Reading Centre, Coimbra, Portugal

³Center for Translational Health and Medical Biotechnology Research (TBIO)/Health Research Network (RISE-Health), ESS, Polytechnic of Porto, Porto, Portugal

⁴Coimbra Institute for Clinical and Biomedical Research (iCBR), Faculty of Medicine, University of Coimbra, Coimbra, Portugal

⁵Boehringer Ingelheim, GmbH, Germany

⁶Eye Clinic, University Hospital Basel, Ophthalmology, Basel, Switzerland

⁷Institute of Ophthalmology, University College London London, United Kingdom

⁸Faculty of Medicine, University of Coimbra, Coimbra, Portugal

***Corresponding Author**

Name: José Cunha-Vaz

E-mail: cunhavaz@aibili.pt

Address: AIBILI, Edifício Prof. Doutor José Cunha-Vaz, Azinhaga Sta. Comba, Celas, 3000-548 Coimbra, Portugal

Supplementary Materials

Supplementary Table S1. Distribution of IRMA by retina quadrants

	<i>Central Macula up to 20°</i>					<i>Posterior Pole from 20° to 50°</i>					<i>Central Macula and Posterior Pole up to 50°</i>
	Nasal	Inferior	Temporal	Superior	Total _{IRMA}	Nasal	Inferior	Temporal	Superior	Total _{IRMA}	Total _{IRMA}
CFP 50°	1 (5.0%)	4 (20.0%)	6 (30.0%)	9 (45.0%)	20	11 (13.1%)	24 (28.6%)	22 (26.2%)	27 (32.1%)	84	104
SS-OCTA 50°	0 (0.0%)	0 (0.0%)	3 (42.9%)	4 (51.1%)	7	25 (19.8%)	41 (32.5%)	28 (22.2%)	32 (25.4%)	126	133
UWF-FFA 130°	1 (4.3%)	2 (8.7%)	8 (34.8%)	12 (52.2%)	23	36 (20.0%)	68 (37.8%)	35 (19.4%)	41 (22.8%)	180	203

IRMA - intraretinal microvascular abnormalities; FoV – field of view; CFP – color fundus photography; SS-OCTA – swept-source optical coherence tomography angiography; UWF FFA - ultra-widefield fundus fluorescein angiography.