Multi-categorical deep learning neural network to classify retinal images: A pilot study employing small database

Running title: Multi-categorical Deep Learning with Retinal Images
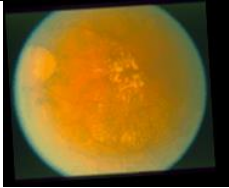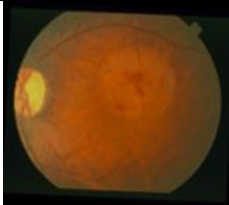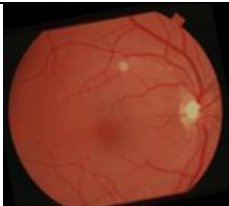
Joon Yul Choi[1], Tae Keun Yoo[2]*, Jeong Gi Seo[2], Jiyong Kwak[2], Terry Taewoong Um[3], Tyler Hyungtaek Rim[2]*

[1]Department of Electrical and Computer Engineering, Seoul National University, Seoul, South Korea
[2]Institute of Vision Research, Department of Ophthalmology, Yonsei University College of Medicine, Seoul, South Korea
[3]Department of Electrical & Computer Engineering, University of Waterloo, Waterloo, Ontario, Canada

Supporting Information File S1. Example of misclassification.

	Ground truth	VGG19-TL-RF Classification result
	Wet AMD	Dry AMD
	RVO	BDR
	Wet AMD	BDR
	BDR	Dry AMD