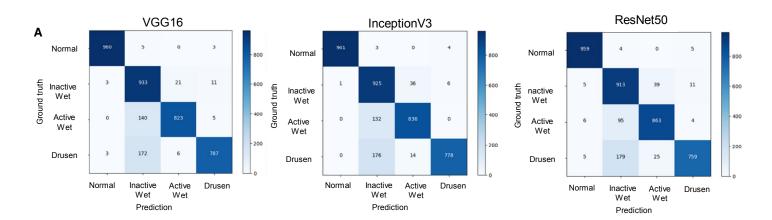
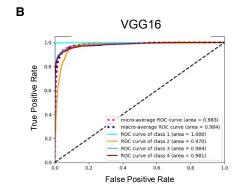
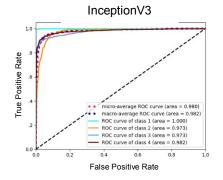


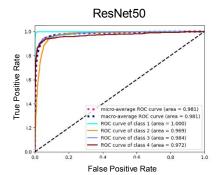
В

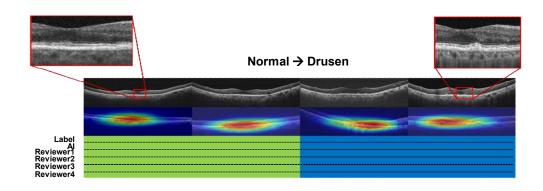
Enroll Type	All 4 types	
Architecture	VGG16/InceptionV3/ResNet50	
Optimizer	Adam	
Learning Rate	1e-4	
Batch size	128	
Total number of epochs run during training	100	
Epochs with the minimal value of loss (best model)	91/88/65	
Accuracy of validation of the best model	99.98%/100%/99.74%	
Accuracy of verification with independent dataset	91.4%/92.67%/90.73%	









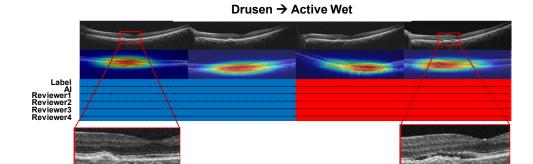


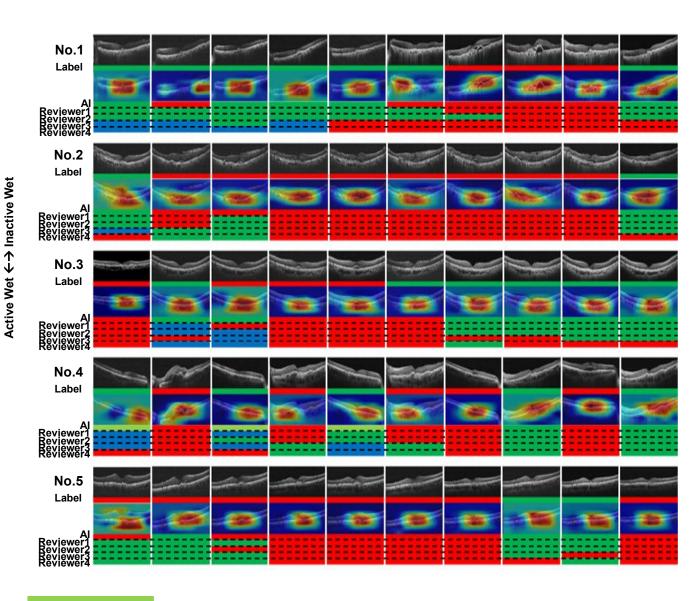
Normal

Dry AMD

Active Wet

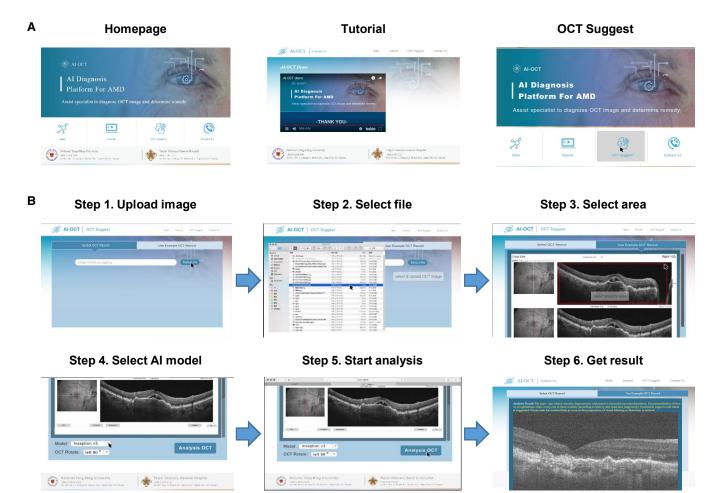
Inactive Wet

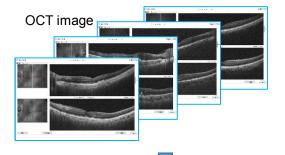


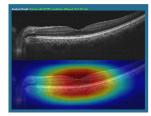




Website: https://www.ym.edu.tw/~AI-OCT/



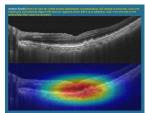




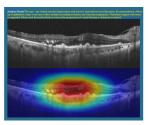
No age-related macular degeneration. Recommendation: self-exam of monocular vision with Amsler grid is suggested. Please seek medical help when vision is decreased.



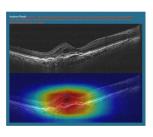
https://www.ym.edu.tw/~AI-OCT/



Drusen (dry type age-related macular degeneration). Recommendation: self-exam of monocular vision with Amsler grid, and nutritional support with lutein-rich diet are suggested. Please follow up at ophthalmic clinic every year and seek medical help when vision is decreased.



Wet type age-related macular degeneration with inactive choroidal neovascularization. Recommendation: follow-up at ophthalmic clinic every one to three months (according to history and clinician's judgement). Nutritional support with lutein-rich diet is suggested. Please seek medical help as soon as the progression of visual blurring or distortion is noticed.



Wet type age-related macular degeneration with active choroidal neovascularization. Recommendation: immediate ophthalmic medical checkup and treatment are suggested. Treatment choices include intravitreal injection, photodynamic therapy, or surgery.

Supplementary Table 1

VCC16		
VGG16	InceptionV3	ResNet50
90.47%	90.39%	90.24%
99.17%	99.28%	99.07%
81.30%	80.37%	78.41%
96.38%	95.56%	94.32%
85.02%	86.36%	89.15%
99.79%	99.97%	99.45%
99.35%	99.66%	99.31%
89.08%	89.08%	90.43%
99.07%	98.28%	97.80%
	90.47% 99.17% 81.30% 96.38% 85.02% 99.79% 99.35% 89.08%	90.47% 90.39% 99.17% 99.28% 81.30% 80.37% 96.38% 95.56% 85.02% 86.36% 99.79% 99.97% 99.35% 99.66% 89.08% 89.08%