



Title of Invention

PI : Prof. Yi-Ting Hsieh

Department of Ophthalmology, College of Medicine, National Taiwan U.

Experience:

Department of Ophthalmology, National Taiwan University Hospital.

Market Needs

Compared with color fundus photography, fluorescent fundus angiography can more accurately determine whether the fundus blood vessels are diseased. However, because it is an invasive test, there are risks and side effects. Assuming that there is another method to produce images similar to fluorescent fundus photography, it should be able to assist clinical medical staff, or used to train disease detection models to improve the disease detection rate.

Our Technology

Through deep learning technology, AI can convert the input color fundus images into fluorescent photography images.

Strength:

This application does not require the use of fluorescent agents, and simply enhances the existing color fundus images to produce fluorescent fundus photography images, so there will be no side effects.

Competing Products:

N/A

Intellectual Properties:

Plan of application countries: Taiwan/China/United States

Contact (do not need to fill out):

Center for Industry-Academia Collaboration, NTU

Tel: 02-3366-9945, E-mail: ordiac@ntu.edu.tw