

# School Seminar

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## Artificial Intelligence in Medicine: Empowering Ophthalmologists

Date : 7 September 2018 (Friday)  
Time : 1:00 pm – 2:00 pm  
Venue : Room DE309, The Hong Kong Polytechnic University  
CPD Credit Hours : 1 (for Optometrists)

### Abstract

In recent years, we have witnessed Artificial Intelligence (AI) transforms our lives. Now, AI is bringing a revolution to medicine as well. Ocular disease has great impact on a patient's quality of life and is a big concern regarding public health. Congenital cataract is a representative rare ocular diseases and our breakthrough in the exploration of medical AI. Our AI model was trained using convolutional neural networks and the world's largest congenital cataract database. Our model showed high accuracy in both real scenarios and clinical trials. We have also built the world's first AI robotic outpatient center. We have also deployed our AI system to local community hospitals. On top of these, we have further developed new functionalities. Now, it can detect senile cataract, fundus disease and high myopia risk.

