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ABSTRACT SUBMISSION FORMAT (PAPER/POSTER)
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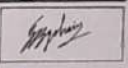
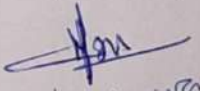
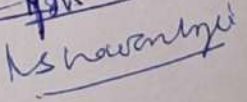
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Title (Not exceeding 30 words): Automated Machine Learning for Optical Coherence
Tomography Image Classification

Abstract (Not exceeding 100 words): **PURPOSE:** To train an artificial intelligence (AI) model using automated machine learning in classifying OCT images. **METHODS:** Publicly available OCT datasets containing images of diabetic macular edema, drusens, choroidal neovascular membrane and normal scans were utilised to train an image classifier machine learning model using automated machine learning (AML). **RESULTS:** The AML-trained image classifier provided comparable results to traditional machine learning models. Precision, sensitivity, specificity, and receiver operator curve (ROC) were on par with traditional machine learning models. **CONCLUSION:** AML provides a simplified alternative to developing competent machine learning models, especially for researchers who are not experienced with coding.

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Declaration: We have/have no financial interest in this procedure/presentation/product. The presentation may be recorded by the Society for compiling proceedings.