

Building a deep learning model for gastrointestinal endoscopic image classification that minimizes clinically unreasonable predictions.

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Abstract: This topic aims to address an important issue in the classification of gastrointestinal endoscopy images, contributing to improving the quality of disease diagnosis and treatment. The main objective is to build a deep learning model capable of recognizing clinical signs from images accurately and reliably. Through a combination of theoretical research and experimentation, the topic will propose an optimal solution to minimize bias in disease prediction. The expected result is that the application of this model will significantly improve clinical diagnostic performance, thereby enhancing the quality of medical services and contributing to the prevention and early detection of gastrointestinal pathologies.

Keywords: Deep learning model, Endoscopic image classification, Unreasonable prediction, Clinical diagnosis, Improving diagnostic performance