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Methodology to develop machine learning algorithms to improve performance in gastrointestinal endoscopy

de Lange T *et al.* Machine Learning in endoscopy

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Abstract

Assisted diagnosis using artificial intelligence has been a holy grail in medical research for many years, and recent developments in computer hardware have enabled the narrower area of machine learning to equip clinicians with potentially useful tools for computer assisted diagnosis (CAD) systems. However, training and assessing a computer's ability to diagnose like a human are complex tasks, and successful outcomes depend on various factors. We

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