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**Name of Journal:** *Artificial Intelligence in Gastrointestinal Endoscopy*

**Manuscript NO:** 60490

**Manuscript Type:** MINIREVIEWS

**Artificial intelligence assisted endocytoscopy: A novel eye in endoscopy**

Peshevskia-Sekulovska M *et al.* AI-assisted endocytoscopy

Monika Peshevskia-Sekulovska, Tsvetelina Veselinova Velikova, Milena Peruhova

## Abstract

Over the past few years, emerging new approaches in endoscopic imaging technologies

Artificial intelligence assisted endocytoscopy: a novel eye in endosc



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The authors have also illustrated hypoxia imaging, robotic-assisted devices to enable automated endoscopy, and eye tracking technology. 1 Thus, an intellectual review is beneficial in disseminating the knowledge on how endoscopic imaging is being developed and enabling the readers to foreseeably imagine the future of diagnostic luminal endoscopy. Artificial intelligence has made significant ...

Author: Masashi Fujii, Hajime Isomoto

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## Artificial intelligence in gastrointestinal endoscopy ...

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Artificial intelligence (AI) is now a trendy subject in clinical medicine and especially in gastrointestinal (GI) endoscopy. AI has the potential to improve the quality of GI endoscopy at all levels. AI has the potential to improve the quality of GI endoscopy at all levels.

## The future of endoscopy: Advances in endoscopic image ...

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Artificial intelligence (AI), interchangeably termed computer-assisted diagnosis (CAD) is the technology that enables machines to process information and function at, or even exceed human level. AI is a subject of great enthusiasm in **endoscopic imaging research** owing to its magnanimous potential in diagnosis. 2, 3 Both machine learning and deep learning (DL) are forms of AI (Fig. 2).

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## Artificial Intelligence-assisted System Improves ...

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