In the field of **endoscopy**, the application of AI, such as automatic detection, diagnosis, classification, and invasion depth, in early gastrointestinal (GI) cancers has received wide attention. There is a paucity of studies of AI application on common GI benign diseases based on endoscopy.

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Early gastrointestinal cancer: The application of artificial intelligence

Yang H *et al.* AI and early GI cancer

Hang Yang, Bing Hu

Abstract

Early gastrointestinal (GI) cancer has been the core of clinical endoscopic work. Its early
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Sep 24, 2020 · Nowadays, Artificial intelligence (AI) using deep machine learning has made a major breakthrough in gastroenterology, which using gradient descent method and backpropagation to automatically extract specific images features. The diagnostic accuracy in identifying upper gastrointestinal cancer was 0.955 in C-WLI.

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