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Name of Journal: *Artificial Intelligence in Gastrointestinal Endoscopy*

Manuscript NO: 67549

Manuscript Type: MINIREVIEWS

Application of a convolutional neural network in detecting and classifying gastric cancer

Convolutional neural network in gastric cancer

Abstract

Gastric cancer (GC) is the fifth-most-common cancer in the world, and at present, esophagogastroduodenoscopy (EGD) is recognized as an acceptable method for the screening and monitoring of GC. Convolutional neural networks (CNNs) are a type of deep learning (DL) model and have been widely used for image analysis. This paper reviews the application and prospects of CNNs in detecting and classifying GC, aiming to introduce a computer-aided diagnosis system and to provide evidence for subsequent studies.

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