Artificial intelligence-assisted esophageal cancer management: now and future

Zhang YH *et al..* artificial intelligence in esophageal cancer

Yu-Hang Zhang, Lin-Jie Guo, Xiang-Lei Yuan, Bing Hu

Abstract

Esophageal cancer (EC) poses diagnostic, therapeutic and economic burden in high-risk regions. Artificial intelligence (AI) has been developed for diagnosis

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Recently, **artificial** intelligence (AI) using deep learning has made remarkable progress in medicine. However, there are no reports on its application for diagnosing **esophageal cancer**. Here, we demonstrate the diagnostic ability of AI to detect **esophageal cancer** including squamous cell carcinoma and adenocarcinoma.

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Artificial neural networks have also been used to diagnose gastroesophageal reflux disease and atrophic gastritis , as well as to predict outcomes in gastrointestinal bleeding , survival of **esophageal cancer** , inflammatory bowel disease , and metastasis in colorectal **cancer** and **esophageal** squamous cell carcinoma . 2.6.

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