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In recent years, several applications of artificial intelligence (AI) have emerged in the gastric cancer field based on its efficient computational power and learning capacities, such as **image-based diagnosis...**

Author: Peng-Hui Niu, Lu-Lu Zhao, Hong-Liang... Publish Year: 2020

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**Application of deep learning in image recognition and diagnosis of gastric cancer**

Li Y et al. Review of deep learning for GC

Yu Li, Da Zhou, Tao-Tao Liu, Xi-Zhong Shen

**Abstract**

In recent years, artificial intelligence has been extensively applied in the diagnosis of gastric cancer based on medical imaging. In particular, using deep learning as one of the mainstream approaches in image processing has made remarkable progress. In this paper, we also provide a comprehensive literature survey using four electronic databases PubMed, EMBASE, Web of Science, and Cochrane. The literature search is

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In this study, the **fluorescence hyperspectral imaging** technique was used to acquire fluorescence spectral images. Deep learning combined with spectral-spatial classification methods based on 120 fresh tissues samples that had a confirmed diagnosis by histopathological examinations was used to automatically identify and extract the "spectral + spatial" features to construct an early diagnosis ...

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