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Diagnostic advances of artificial intelligence and radiomics in gastroenterology

Peng P *et al*. Applications of AI in gastroenterology

Pei Feng, Zhen-Dong Wang, Wei Fan, Heng Liu, Jing-Jing Pan

Abstract

Traditional medical imaging, including ultrasound, computed tomography, magnetic resonance imaging or positron emission tomography, remains a

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Author: Wenmo Hu, Huayu Yang, Haifeng Xu, ...　　Publish Year: 2020

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Oct 05, 2019 · **AI** is explored in **gastroenterology** for endoscopic analysis of lesions, in detection of **cancer**, and to facilitate the analysis of inflammatory lesions or **gastrointestinal bleeding** during wireless capsule endoscopy. **AI** is also tested to assess liver fibrosis and to differentiate patients with pancreatic cancer from those with pancreatitis.

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Artificial intelligence, machine learning, computer-aided ...
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Artificial intelligence, machine learning, computer-aided ...
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7007049

Mar 29, 2019 · **Artificial intelligence**, machine learning, computer-aided **diagnosis**, **and radiomics**: **advances** in imaging towards to precision medicine Marcel Koenigkam Santos , 1 José Raniery Ferreira Júnior , 2, 3 Danilo Tadao Wada , 1 Ariane Priscilla Magalhães Tenório , 3 Marcello Henrique Nogueira Barbosa , 3 and Paulo Mazzoncini de Azevedo Marques 3

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Publish Year: 2019

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Artificial Intelligence for Understanding Imaging, Text ...
https://www.gastroenterologyandhepatology.net/archives/july-2020/artificial... ▾

Abstract: **Artificial intelligence** (AI) could change the practice of **gastroenterology** through its ability to both acquire and analyze information with speed, reproducibility, and, potentially, insight that may exceed that of human medical specialists. AI is powered by computational methods that allow machines to replicate clinical pattern recognition used by **gastroenterology** specialists to ...

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