

Artificial Intelligence in Lower Gastrointestinal ...

<https://europepmc.org/article/PMC/PMC8182250> ▾

Jan 13, 2021 · The present manuscript aims to review the history, recent advances, evidence, and challenges of **artificial intelligence** (AI) in colonoscopy. Although it is mainly focused on polyp detection...

Software for enhanced video capsule endoscopy: challenges ...

<https://www.nature.com/articles/nrgastro.2015.13>

Feb 17, 2015 · **Video capsule endoscopy** has revolutionized the diagnostic work-up in the field of small bowel diseases and could be applied to screening the entire **gastrointestinal** ...

Cited by: 161 **Author:** Dimitris K. Iakovidis, Anastasios Koulaouzi...

Publish Year: 2015

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Dec 29, 2020 · **Artificial intelligence** (AI) is of keen interest for global health development as potential support for current human shortcomings. **Gastrointestinal** (GI) **endoscopy** is an excellent substrate for ...

Author: P. Sinonquel, P. Sinonquel, R. Bisschops... **Publish Year:** 2020

A neural network algorithm for detection of GI angiectasia ...

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Jul 12, 2018 · Jul 12, 2018 · GI angiectasia (GIA) is the most common small-bowel (SB) vascular lesion, with an inherent risk of bleeding. SB **capsule endoscopy** (SB-CE) is the currently accepted diagnostic...

Artificial intelligence and capsule endoscopy: unravelling ...

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Feb 26, 2021 · The applicability of **artificial intelligence** (AI) in gastroenterology is a hot topic because of its disruptive nature. **Capsule endoscopy** plays an important role in several areas of **digestive** pathology, namely in the investigation of obscure hemorrhagic lesions and the ...

Author: Miguel Mascarenhas, João Afonso, Pat... **Publish Year:** 2021

Artificial intelligence in gastrointestinal endoscopy ...

<https://www.sciencedirect.com/science/article/pii/S2468448120302721>

Dec 01, 2020 · Methods. The MEDLINE database was searched through May 2020 for relevant articles by using key words such as machine learning, deep learning, **artificial intelligence**, computer-aided diagnosis, convolutional neural networks, **GI endoscopy**, and endoscopic image analysis.

Cited by: 3 **Author:** Rahul Pannala, Kumar Krishnan, Joshua M...

Publish Year: 2020

[PDF] Role of Artificial Intelligence in Video Capsule Endoscopy

<https://www.mdpi.com/2075-4418/11/7/1192/pdf>

Jun 30, 2021 · 1 **Endoscopy** Unit, **Digestive** Diseases Centre, Queen's Hospital, ... such as detection of a human in a picture or detection of an **angiodysplasia** in a small bowel **capsule** picture. *Diagnostics* 2021, 11, 1192 4 of 16 *Diagnostics* 2021, 11, x FOR PEER REVIEW 4 of 16 ... Role of **Artificial Intelligence** in **Video Capsule Endoscopy** ...



Name of Journal: *Artificial Intelligence in Gastrointestinal Endoscopy*

Manuscript NO: 68784

Manuscript Type: MINIREVIEWS

Artificial intelligence as a means to improve recognition of gastrointestinal angiodysplasia in video capsule endoscopy

Cox II GA *et al.* Artificial Intelligence in GI angiodysplasia

Gerald A Cox II, Christian S Jackson, Kenneth J Vega

Abstract

Gastrointestinal angiodysplasia (GIAD) is defined as the pathological process where blood vessels, typically venules and capillaries, become engorged, tortuous and thin walled - which then form arteriovenous connections within the mucosal and submucosal layers of the gastrointestinal tract. GIADs are a significant cause of

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Feb 26, 2021 · The applicability of artificial intelligence (AI) in gastroenterology is a hot topic because of its disruptive nature. Capsule endoscopy plays an important role in several areas of digestive pathology, namely in the investigation of obscure hemorrhagic lesions and the management of inflammatory bowel disease.

Author: Miguel Mascarenhas, João Afonso, P...

Publish Year: 2021

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[https://www.videogic.org/article/S2468-4481\(20\)30272-1/fulltext](https://www.videogic.org/article/S2468-4481(20)30272-1/fulltext)

Artificial intelligence (AI)-based applications have transformed several industries and are widely used in various consumer products and services. In medicine, AI is primarily being used for image classification and natural language processing and has great potential to affect image-based specialties such as radiology, pathology, and gastroenterology (GE). This document reviews the reported ...

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Author: Rahul Pannala, Kumar Krishnan, Joshua ...

Publish Year: 2020

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Author: Ioannis Tziortziotis, Faidon-Marios La...

Publish Year: 2021