

**Name of Journal:** *Artificial Intelligence in Gastrointestinal Endoscopy*

**Manuscript NO:** 68727

**Manuscript Type:** MINIREVIEWS

**Utility of artificial intelligence in Colonoscopy**

Shah *et al.* Artificial intelligence in colonoscopy

Niel Shah, Abhilasha Jyala, Harish Patel, Jasbir Makker

### Match Overview

1	Internet 105 words crawled on 11-Jun-2021 <a href="http://www.fda.gov">www.fda.gov</a>	3%
2	Internet 97 words crawled on 28-Jan-2020 <a href="http://onlinelibrary.wiley.com">onlinelibrary.wiley.com</a>	3%
3	Internet 36 words crawled on 24-Nov-2020 <a href="http://doctorpenguin.com">doctorpenguin.com</a>	1%
4	Crossref 22 words Yuchen Luo, Yi Zhang, Ming Liu, Yihong Lai et al. "Artificial Intelligence-Assisted Colonoscopy for Detection of Gi..."	1%
5	Internet 22 words crawled on 06-Dec-2019 <a href="http://link.springer.com">link.springer.com</a>	1%
6	Internet 20 words crawled on 04-May-2020 <a href="http://royalsocietypublishing.org">royalsocietypublishing.org</a>	1%
7	Crossref 19 words Jorge Bernal, F. Javier Sánchez, Gloria Fernández-Esparach, Debora Gil, Cristina Rodríguez, Fernando Vilariñ	1%

Utility of artificial intelligence in Colonoscopy



ALL

IMAGES

VIDEOS

26,100,000 Results

Any time ▾

Given the results and limitations, the **utility of AI colonoscopy** holds promise and should be evaluated in more randomized controlled trials across different population, especially in patients solely undergoing **colonoscopy** for screening purpose as improved **ADR** will ultimately help in reducing incident **colorectal** cancer.

**Author:** Muhammad Aziz, Rawish Fatima, Charles Dong, Wade Lee-Smith, Ali Nawras

**Cited by:** 8

**Publish Year:** 2020

[The impact of deep convolutional neural network-based ...](#)

► [pubmed.ncbi.nlm.nih.gov/32267558/](https://pubmed.ncbi.nlm.nih.gov/32267558/)

Was this helpful?

[Artificial intelligence in colonoscopy: Now on the market ...](#)

<https://pubmed.ncbi.nlm.nih.gov/33179322>

Adoption of **artificial intelligence** (AI) in clinical medicine is revolutionizing daily practice. In the field of **colonoscopy**, major endoscopy manufacturers have already launched their own AI products on the...

**Cited by:** 7

**Author:** Yuichi Mori, Yuichi Mori, Helmut Neumann, ...

**Publish Year:** 2021

Utility of artificial intelligence in Colonoscopy



ALL

IMAGES

VIDEOS

26,100,000 Results

Any time

ORLANDO – The use of artificial intelligence during colonoscopy appears to **boost the accuracy and sensitivity of adenoma detection**, even for lesions as small as 5 mm, according to recent studies.



Artificial Intelligence Advances Colonoscopy

[www.medscape.com/viewarticle/889550](http://www.medscape.com/viewarticle/889550)

Was this helpful?

PEOPLE ALSO ASK

How is artificial intelligence used to detect colorectal polyps?



Is there artificial intelligence in GastroIntestinal Endoscopy?



How is artificial intelligence used in clinical medicine?



How is adenoma detection rate related to colonoscopy?



Feedback



4,210,000 Results Any time

Background and aim: The utility of artificial intelligence (AI) in colonoscopy has gained popularity in current times. Recent trials have evaluated the efficacy of deep convolutional neural network (DCNN)-based AI system in colonoscopy for **improving adenoma detection rate (ADR) and polyp detection rate (PDR)**.

Author: Muhammad Aziz, Rawish Fatima, Charles Dong, Wade Lee-Smith, Ali Nawras

Cited by: 10

Publish Year: 2020

The impact of deep convolutional neural network-based ...

pubmed.ncbi.nlm.nih.gov/32267558/

Was this helpful?

PEOPLE ALSO ASK

How is artificial intelligence used to detect colorectal polyps?

How is artificial intelligence used in clinical medicine?

How can Ai be used in GI endoscopy?

How is artificial intelligence used to detect gastric cancer?

Feedback

The impact of deep convolutional neural network-based ...

https://pubmed.ncbi.nlm.nih.gov/32267558

Background and aim: The utility of **artificial intelligence (AI)** in colonoscopy has gained popularity in current times. Recent trials have evaluated the efficacy of deep convolutional neural network (DCNN)-based AI system in colonoscopy for improving adenoma ...

Cited by: 10

Author: Muhammad Aziz, Rawish Fatima, Charles ...

Publish Year: 2020