Making colonoscopies 'smarter' with artificial intelligence
https://www.ucihealth.org/blog/2018/03/artificial-intelligence-colon-cancer

Promising new research at UC Irvine indicates that colonoscopies aided by artificial intelligence (AI) software can dramatically improve ADR, even among highly proficient colonoscopists. The research is being conducted by a team led by UCI Health gastroenterologist Dr. William E. Karnes, who is working with AI specialists at DocBot, a company that began through UCI Applied Innovation. Essentially, all colorectal cancers s...

See more on ucihealth.org
Published: Mar 27, 2018

Role of AI in detection and management of colorectal...
https://www.mayoclinic.org/medical-professionals/...

Feb. 14, 2020. Artificial intelligence (AI) is emerging as a tool with which gastroenterologists can improve colon polyp detection rates, characterization and management. This branch of computer science is known as artificial intelligence, or AI, and involves the design of computer programs that can perform tasks that would otherwise require human intelligence. In the case of colon polyps, AI can help gastroenterologists to identify and characterize these abnormalities, leading to improved patient outcomes.

Quality Improvement Intervention in Colonoscopy Using...
https://clinicaltrials.gov/ct2/show/NCT03622281

Aug 09, 2018: Quality measures in colonoscopy are important guides for improving the quality of patient care. But quality improvement intervention is not taking place, primarily because of the inconvenience...
Artificial intelligence in colonoscopy: Now on the market...

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 market with regulatory approval in Europe and Asia. This commercialization is strongly suppo...

Cited by: 7

Author: Yuichi Mori, Yuichi Mori, Helmut Neumann...
Publish Year: 2021

Artificial intelligence for polyp detection during ...

Background: Artificial intelligence (AI)-based polyp detection systems are used during colonoscopy with the aim of increasing lesion detection and improving colonoscopy quality. Patients and methods: We performed a systematic review and meta-analysis of prospective trials to determine the value of AI-based...
Artificial Intelligence and Colonoscopy - Enhancements and Improvements

Byung Soo Yoo, Steve Mark D’Ippolito, Kevin Houston, Ankul Patel, James Loo, Akefiddig Elmahdi, Parth J Patel, David Johnson

Abstract
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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 market with regulatory approval in Europe and Asia. This commercialization is strongly suppor ...
Cited by: 7  Author: Yuichi Mori, Yuichi Mori, Helmut Neuman ...
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Use of artificial intelligence in improving adenoma ...
Cited by: 5  Author: Emanuele Sinagra, Matteo Badalamenti, ...
Publish Year: 2020

Artificial intelligence for polyp detection during ...
Background: Artificial intelligence (AI)-based polyp detection systems are used during colonoscopy with the aim of increasing lesion detection and improving colonoscopy quality. Patients and methods: We performed a systematic review and meta-analysis of prospective trials to determine the value of AI-based polyp detection systems for detection of polyps and colorectal cancer.
Cited by: 10  Author: Ishita Barua, Daniela Guerreiro Vinsard, D...
Publish Year: 2021

Cost savings in colonoscopy with artificial intelligence ...
Background and aims: Artificial intelligence (AI) is being implemented in colonoscopy practice, but no study has investigated whether AI is cost saving. We aimed to quantify the cost reduction using AI as an aid in the optical diagnosis of colorectal polyps. Methods: This study is an add-on analysis of a clinical trial that investigated the performance of AI for differentiating colorectal ...
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Publish Year: 2020