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Colorectal cancer (CRC) is one of the most common cancers requiring early pathologic diagnosis using colonoscopy biopsy samples. Recently, artificial intelligence (AI) has made significant progress and...

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Author: Nishant Thakur, Hongjun Yoon, Yosep Ch...

Publish Year: 2020

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Mar 24, 2021 · March is National Colorectal Cancer Awareness month. Be aware - the Hampton Roads area was identified as a "hot spot" for colon cancer deaths, according to the American Cancer Society.

Name of Journal: *Artificial Intelligence in Cancer*

Manuscript NO: 66292

Manuscript Type: EDITORIAL

Artificial intelligence and colorectal cancer: How far can you go?

Alloro R *et al.* AI and CRC

Rita Alloro, Emanuele Sinagra

Abstract

Artificial intelligence is an emerging technology whose application is rapidly increasing in several medical fields. The numerous applications of artificial intelligence in gastroenterology have shown promising results, especially in the setting of gastrointestinal oncology. Therefore, we would like to highlight and summarize the

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1. Introduction. Colorectal cancer (CRC) is the third most common and second most lethal tumor globally, causing 900,000 deaths annually. According to the International Agency for research on Cancer in 2018, 1.8 million people were newly diagnosed with colorectal cancer that year []. Additionally, it is predicted that by the year 2030, the prevalence of colorectal cancer worldwide is going to ...

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Oct 01, 2020 · October 1, 2020. October 1, 2020. A new modeling tool may be able to help doctors assess which treatments are best for individual patients with colorectal cancer. The artificial intelligence program analyzes a patient's disease details -- such as the stage of cancer and other chronic conditions -- and compares those details to other colorectal cancer cases to predict the ...

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Abstract. Colorectal cancer (CRC) is one of the most common cancers requiring early pathologic diagnosis using colonoscopy biopsy samples. Recently, artificial intelligence (AI) has made significant progress and shown promising results in the field of medicine despite several limitations. We performed a systematic review of AI use in CRC pathology image analysis to visualize the state-of-the-art.

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