Match Overview

Name of Journal: *Artificial Intelligence in Cancer*

Manuscript NO: 58075

Manuscript Type: EVIDENCE REVIEW

Applications of artificial intelligence in, early detection of cancer, clinical diagnosis and personalized medicine

Ullah M et al. AI in cancer

Mujib Ullah, Asma Akbar, Gustavo Yannarelli

Abstract

Artificial intelligence (AI) refers to the simulation of human intelligence in machines that are programmed to convert raw input data into decision making actions, like

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Artificial Intelligence Applications in Healthcare
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Artificial intelligence uses CT scans, electrocardiograms (ECG), cardiac MRI images, skin images, retinal scans, and X-Ray scans to detect cancer, stroke, diabetes, and other diseases. AI algorithms make use of large volumes of high-quality healthcare data to classify or predict diseases with comparable or even better accuracy than human experts.

Artificial intelligence in cancer diagnosis and prognosis ...
https://www.sciencedirect.com/science/article/pii/S0304383519306135

Feb 28, 2020 · Furthermore, as artificial intelligence (AI), especially machine learning and deep learning, has found popular applications in clinical cancer research in recent years, cancer prediction performance has reached new heights. This article reviews the literature on the application of AI to cancer diagnosis and prognosis, and summarizes its advantages.

Cited by: 2　　　　Author: Shigao Huang, Jie Yang, Simon Fong, Si...
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[PDF] Artificial intelligence in cancer imaging: Clinical ...
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In particular, artificial intelligence (AI) promises to make great strides in the qualitative interpretation of cancer imaging by expert clini - cians, including volumetric delineation of tumors over time, extrapolation of the tumor genotype and biological course from its radiographic phenotype, prediction

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Artificial Intelligence in diagnostic medicine – a tool to ...
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Here, Gerry Morrow discusses whether we will ever see AI fully replicate autonomous decision making and what the future role of AI in diagnostic **medicine** is

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As early as 1988, The Annals of Internal Medicinementioned that conventional computer-aided diagnoses were limited, and to overcome the shortfalls, researchers turned to artificial intelligence. However, because of the limited technology available at the time, the system had to be manually trained by

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< | **Introduction**   Current Applications of Artifi...   Conclusion   Author Cc | >

The expression "Medical Technology" is widely used to address a range of tools that can enable health professionals to provide patients and society with a better quality of life by performing early diagnosis, reducing complications, optimizing treatment and/or providing less invasive options, and reducing the length of hospitalization. While, before the mobile era, medical technologies were mainly known as

Artificial Intelligence

Artificial intelligence (AI), sometimes called machine intelligence, is intelligence demonstrated by machines, unlike the natural intelligence displayed by humans and animals. Leading AI textbooks define the field as the study of "intelligent agents": any devi... +

W Wikipedia

Subdisciplines: Machine Learning · Cognitive artificial intelligence

Subdiscipline of: Computer Science

Academic conferences: AAAI 2016 · IJCAI 2016 · European Conference on Artificial Intelligence (ECAI) 2016 · AI 2016 · AAMAS 2016 +

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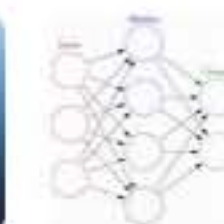### People also search for   See all (15+)

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