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Current trends of artificial intelligence in cancer imaging

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Abstract

In this editorial, we discussed the current research status of artificial intelligence (AI) in Oncology, reviewing the basics of machine learning (ML) and deep learning (DL) techniques and their emerging applications on clinical and imaging cancer workflow.

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Current Trends of Artificial Intelligence in Oncology

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Artificial Intelligence in Oncology Market 2020 by ...

https://3wnews.org/news/2852684/artificial...

*This report studies the **Artificial Intelligence in Oncology** market with many aspects of the industry like the market size, market status, market **trends** and forecast, the report also provides brief information of the competitors and the specific growth opportunities with key market drivers.Find the complete **Artificial Intelligence in Oncology** market analysis segmented by companies, region, type ...*

Artificial Intelligence in Oncology: Current Applications ...

https://www.cancernetwork.com/oncology-journal/...

***Artificial Intelligence** as a Solution to Burnout **in Oncology**. Tufia C. Haddad, MD. Developing applications **of artificial intelligence** (AI) and cognitive systems **in oncology** requires a collaborative, multidisciplinary effort that extends far beyond medicine and computer science.*

***Cited by:** 4* ***Author:** Benjamin H. Kann, Reid Thompson, Char...*

***Publish Year:** 2019*

Artificial Intelligence in Oncology- How AI may Transform ...

https://industrywired.com/artificial-intelligence...

*Artificial intelligence (AI) has reached new heights in **clinical cancer diagnosis**. **Cancer** is a dreaded disease characterised with its low median survival rate. The **cancer treatment process** is long and very expensive due to high reoccurrence and high mortality rates.*

The 9 Biggest Technology Trends That Will Transform ...

https://www.forbes.com/sites/bernardmarr/2019/11/...

***Published:** Nov 01, 2019*

- *Computer and Machine Vision. Training computers to "see" the world and understand visual input ...*
- *Wearable Tech. Wearable fitness technology can do much more than tell you how many steps you ...*
- *Genomics. Artificial intelligence and machine learning help advance genomic medicine—when a ...*
- *3D Printing. Just as it's done for other industries, 3D printing enabled prototyping, customization, ...*

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Current Trends of Artificial Intelligence for Colorectal ...

https://www.mdpi.com/2072-6694/12/7/1884

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AI can enhance evaluation of cancer response over time

https://www.auntminnie.com/index.aspx?sec=log&itemID=130257

Sep 18, 2020 · September 18, 2020-- Radiology reports created with help from **artificial intelligence** (AI) are more accurate and faster to produce than **current** reporting methods in evaluating the response of advanced **cancer** to treatment over time, according to research presented at the recent Conference on Machine **Intelligence** in Medical **Imaging** (C-MIMI).

Artificial intelligence in cancer imaging and diagnosis

https://www.biomedcentral.com/collections/aicancerdiagnosis

Aug 05, 2020 · **Artificial intelligence in Cancer imaging** and **diagnosis Diagnostic laboratories** are in the midst of a transformation and are somewhat at **cross-roads**. In the face of decreasing revenues and increasing workloads, there is a rise in demand to increase throughput and efficiency while maintaining or improving quality, particularly in clinical diagnostics.

Artificial Intelligence in Cancer Imaging: Clinical ...

https://pubmed.ncbi.nlm.nih.gov/30720861

In particular, artificial intelligence (AI) promises to make great strides in the qualitative interpretation of **cancer imaging** by expert clinicians, including volumetric delineation of tumors over time, extrapolation of the tumor genotype and biological course from its radiographic phenotype, prediction of clinical outcome, and assessment of the impact of disease and treatment on adjacent organs.

Cited by: 146 **Author:** Wenya Linda Bi, Ahmed Hosny, Matthew...
Publish Year: 2019

Artificial Intelligence in Medical Imaging Market 2020 ...

https://bulletinline.com/tag/artificial-intelligence-in-medical-imaging-market-2020

"arcognizance.com" has added **latest** research report on "Global **Artificial Intelligence** in Medical **Imaging** Market", this report helps to analyze top manufacturers, regions, revenue, price, and also covers Industry sales channel, distributors, traders, dealers, research findings, conclusion, appendix and data source. Download PDF Sample **of Artificial Intelligence** in Medical **Imaging** ...

Current Trends of Artificial Intelligence for Colorectal ...

https://www.mdpi.com/2072-6694/12/7/1884

Colorectal **cancer** (CRC) is one of the most common cancers requiring early pathologic diagnosis using

Current trends of artificial intelligence in cancer imaging

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Current Trends of Artificial Intelligence for Colorectal ...

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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 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.

Author: Nishant Thakur, Hongjun Yoon, Yosep... **Publish Year:** 2020

Artificial intelligence in cancer imaging: Clinical ...

https://acsjournals.onlinelibrary.wiley.com/doi/full/10.3322/caac.21552

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