



The integration of artificial intelligence in the radiation oncologist's workflow has multiple applications and significant potential. From the initial patient encounter, artificial intelligence may **aid in pretreatment disease outcome and toxicity prediction**. It may subsequently aid in treatment pla

Author: Christopher R. Deig, Aasheesh Kanwar, Reid F. Thompson

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Artificial Intelligence in Radiation Oncology

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Affiliations. 1 Artificial Intelligence in Medicine (AIM) Program, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA. 2 Department of Radiation Oncology, Dana-Farber Cancer...

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Author: Elizabeth Huynh, Ahmed Hosny, Christia...

Publish Year: 2020

Artificial intelligence in radiation oncology: A specialty ...

<https://www.sciencedirect.com/science/article/pii/S0167814018302895>

Dec 01, 2018 · In Radiation Oncology, numerous data sources (e.g. electronic medical records and outcomes data, imaging, laboratory, and pathology data, radiotherapy planning data, record-and-verify... +

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Author: Reid F. Thompson, Gilmer Valdes, Clifton...

Publish Year: 2018

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PEOPLE ALSO ASK

- How is AI being used in radiation treatment? ▾
- Is there a potential for AI in oncology? ▾
- How is artificial intelligence used in translational oncology? ▾
- What kind of cancer can AI detect and diagnose? ▾

Feedback

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Artificial intelligence in radiation oncology

Name of Journal: *Artificial Intelligence in Medical Imaging*

Manuscript NO: 65324

Manuscript Type: REVIEW

Artificial intelligence in radiation oncology

Yakar M *et al.* AI in radiation oncology

Melek Yakar, Durmus Etiz

Abstract

Artificial intelligence (AI) is a computer science that tries to mimic human-like intelligence in machines that use computer software and algorithms to perform specific tasks without direct human stimuli. Machine learning (ML) is a subunit of AI that uses data-driven algorithms that learn to imitate human behavior based on a previous

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PEOPLE ALSO ASK

What is AI in Radiation Oncology? ▾

How is artificial intelligence used in translational oncology? ▾

How is AI used to screen for breast cancer? ▾

How does artificial intelligence (AI) affect our lives? ▾

Feedback

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