Title: Advances in AI for Cancer Detection

Abstract:

Artificial Intelligence (AI) has shown significant promise in medical imaging. Early detection of cancer can dramatically improve survival rates.

Introduction:

Medical imaging plays a crucial role in cancer diagnosis. Manual analysis is time-consuming and prone to errors. AI can help automate and improve accuracy.

Methods:

We employed convolutional neural networks and ResNet architectures to classify MRI and CT scans.

Results:

Our model achieved 95% accuracy on test datasets.

Discussion:

The results demonstrate that AI can assist radiologists and improve early cancer detection.

References:

[1] Author et al., Journal of AI, 2023

[2] Author et al., Medical Imaging, 2022