



Segmentation Software

Cancer is a devastating disease that affects millions of people worldwide. Treatment often involves radiation therapy, which requires precise targeting of the tumor while avoiding damage to healthy organs. Manual outlining of the stomach and intestines for radiation therapy is a time-consuming and labor-intensive process, which can cause delays in treatment and reduce its effectiveness.

Benefits.

90% Faster and more accurate treatment planning

\$500 cost reduction per patient

20% Improved patient outcomes



Problem:

The manual outlining of the stomach and intestines for radiation therapy is a time-consuming process that can cause delays in treatment and reduce its effectiveness. It requires highly skilled technicians to analyze the MRI scans, which can lead to human error and inaccurate results. This process also takes up valuable time that could be used for patient care.

Solution.

- Develop an AI model that can accurately segment the stomach and intestines on MRI scans.
- Use deep learning algorithms, such as convolutional neural networks, to analyze the MRI scans and segment the organs automatically.
- Improve the accuracy of the AI model over time by continuing to train it on new datasets and incorporating user feedback.
- Increase the adoption of AI-assisted organ segmentation by educating oncologists and radiation therapists on its benefits and ease of use.
- Validate the accuracy of the AI model by comparing its results to manual segmentations performed by radiologists.

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