

Clara CT: Transcript

Introduction

Cinematic rendering is changing the way radiologists go about their work and how they view a patient's body.

By augmenting existing radiology techniques with artificial intelligence and deep learning, we are enabling a whole new way of looking at and working with medical images.

Powered by NVIDIA GPUs, NVIDIA's Clara SDK enables efficient development and containerized deployment of deep learning models to propel medical imaging into the future.

Demo

What you are looking at is a 3D volume generated from a CT scan.

By using techniques like ray tracing, realistic materials, and realistic lighting, we create a cinematic quality image of human anatomy that is easy for anyone to understand.

Different tissue and organs generate different density values..

By using these densities and applying AI we can now isolate specific parts of the body and present views that were previously unattainable through traditional medical imaging.

Reconstruction of CT volumes enhanced by GPUs and cutting edge rendering techniques like ray-tracing will continue to push the boundaries of what is possible within the radiology industry and the healthcare field today.