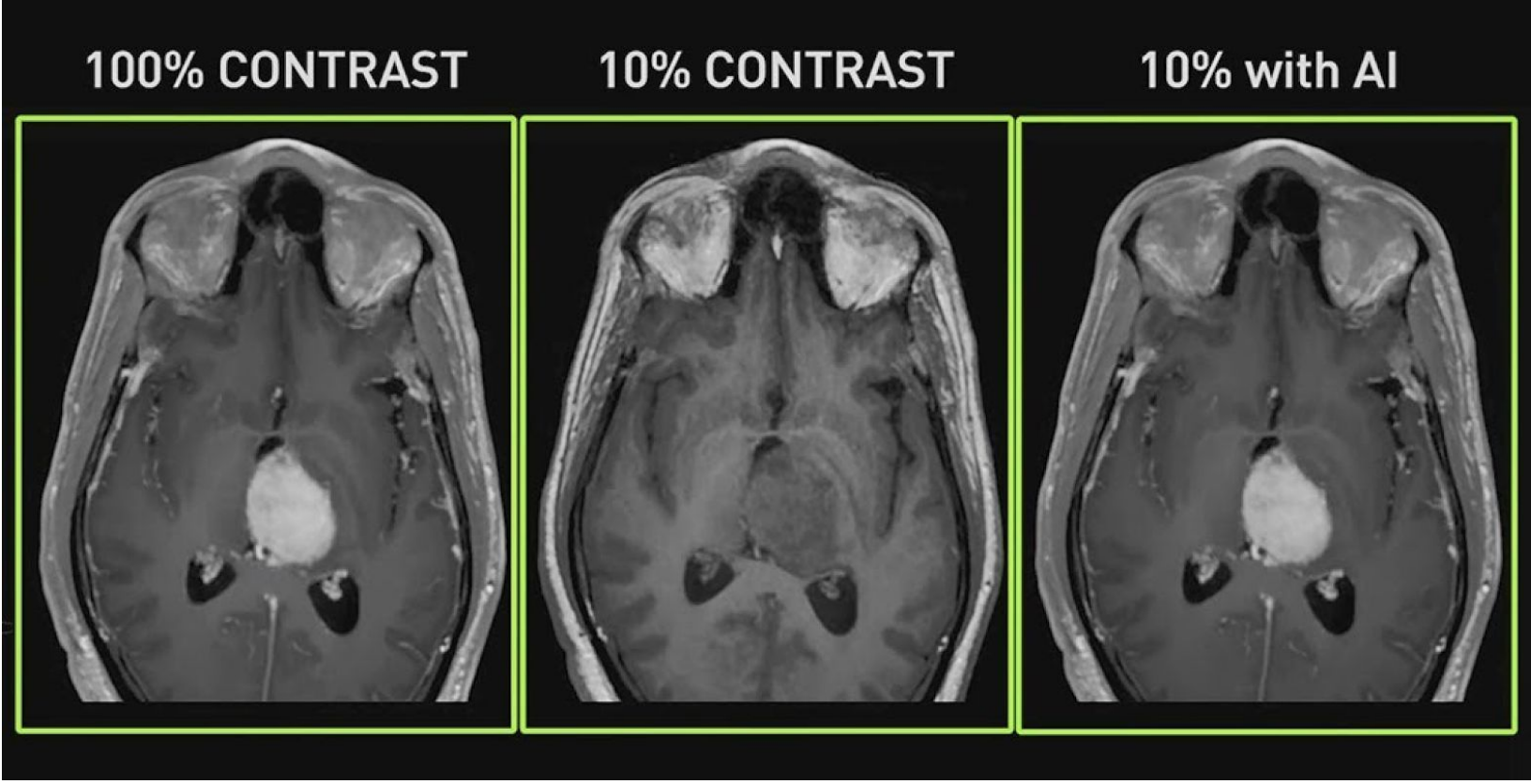

Clara MRI

Clara: Open Compute Platform for Intelligent Medical Instruments

Scalable hardware solutions and SDKs that accelerate and virtualize the most advanced medical applications from embedded to the data center to cloud.

OVERVIEW

Magnetic Resonance Imaging (MRI) is commonly used to help diagnose a significant number of medical conditions, from connective tissue injuries to brain tumors. Some MRI studies require the injection of a contrast agent to better visualize specific findings. NVIDIA's Clara SDK can help reduce the use of agents while maintaining the quality of the images.

An additional benefit of using NVIDIA GPUs is that MRI scans can be performed in one-quarter of the time. This improves patient comfort as they can spend less time in the scanner, trying to remain still.

KEY POINTS

- Leveraging NVIDIA libraries for medical image processing allows access to the most advanced methods for reconstruction, segmentation, visualization, and AI.
- Decoupling image processing from the medical device allows for a flexible and cost-effective upgrade cycle plus consolidating of computation.
- Clara SDK is containerized and can be run on a local machine, an on-premise datacenter or in the cloud using NGC.