

AI-Assisted Medical Image Processing

Application Version: 2022.3

Revision: 22-07-30



The FirstStep.ai AI-Assisted Medical Image Processing solution is perfectly suited to **supplement human expertise** in **diagnosis, identification, feature segmentation, image noise reduction, image classification, and 3D modelling.**

Image Classification

The FirstStep.ai Object Classification models can be trained on a custom dataset of medical images (e.g. X-Ray, CT, MRI, MRA, PET, Ultrasound, or Mammogram) to classify images as a whole.

Deployed to a mobile device, EDGE device or cloud server, this application can provide AI-assistance to the medical practitioner to assist with classification and diagnosis.

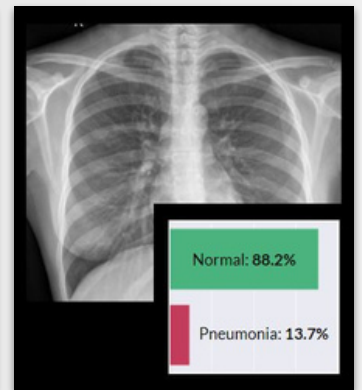
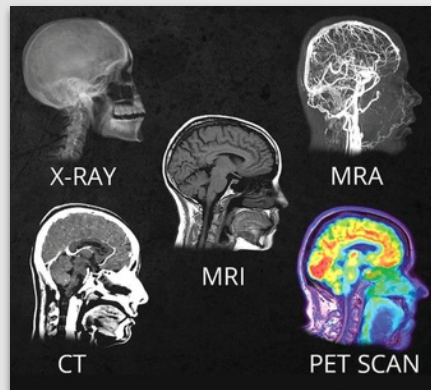


Image Segmentation (Feature Extraction)

The FirstStep.ai Object Segmentation application uses AI models to identify, segment, and label key features in medical images.

These AI models can be trained on custom datasets, and extract features from functional body parts to abnormal growths and tumors.

Once salient features are identified, our software can make real-time calculations, such as dimensions, area, volume, location, position and relative size and proximity. All this information is presented to the medical practitioner to assist with classification and diagnosis.

