

qCT: AI-powered Lung Nodule Analysis Qure.ai's qCTv1.0 is a deep learning software for analyzing chest CT scans. It detects, labels, visualizes, and tracks lung nodules, aiding in their characterization and progression monitoring. It can process both contrast and non-contrast scans, serving as a second or concurrent reader. qCT calculates the Brock score, considering factors like nodule size, type, location, count, and spiculation. It operates on-premises and in the cloud, interacting with PACS systems to receive and return results. qCT highlights segmented lesions on the scan, providing volumetric measurements. These measurements help assess lesion severity and disease progression, enabling volume doubling time (VDT) analysis. qCT's deep learning algorithms work independently, providing probability scores that are then thresholded to determine the presence or absence of abnormalities. Pre- and post-processing features integrate the software into existing radiology workflows. The user receives image previews with highlighted findings and quantifications, along with a text report outlining the findings and volumetric measurements.