FULLY AUTOMATED SEMANTIC FAT SEGMENTATION ON CT EXAMS OF THE CHEST, ABDOMEN, AND PELVIS USING DEEP LEARNING

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Inventors: John Garrett, Perry Pickhardt

The Invention

UW Madison researchers have developed a new, fully automated, deep learning based fat segmentation tool for CT images of the pelvis, abdomen and chest. The tool provides more accurate segmentation of fat from fat mimics, resulting in a more reliable fat measurement for the identification of metabolic disorders and other biomarker assessments. The method was built using pytorch and MIT open-source machine learning architectures and was trained on a curated data set of images obtained under the researcher's Opportunistic Screening Consortium in Abdominal Radiology (OSCAR) project.

Additional Information

For More Information About the Inventors

- Perry Pickhardt

Tech Fields

- Medical Imaging : CT

For current licensing status, please contact Jeanine Burmania at jeanine@warf.org or 608-960-9846