



A Deep Learning Based Data-Driven Approach For Attenuation Correction Of Pet Data

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The Invention

The present disclosure includes systems and methods for creating positron emission tomography (PET) images. The method includes receiving at least one PET image of a subject created from PET data acquired from the subject, creating an attenuation correction map using the at least one PET image, and reconstructing PET data using the attenuation correction map and the at least one PET image to generate an attenuation corrected PET image.

Additional Information

For More Information About the Inventors

- [Richard Kijowski](#)

Publications

- Liu F, Jang H, Kijowski R, Zhao G, Bradshaw T, McMillan AB. A deep learning approach for 18F-FDG PET attenuation correction. EJNMMI Phys. 2018 Nov 12;5(1):24. doi: 10.1186/s40658-018-0225-8. PMID: 30417316; PMCID: PMC6230542.

Tech Fields

- [Medical Imaging : Other diagnostic imaging](#)

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