ID de Contribution: **55**   Type: **Non spécifié**

Dose activities boosted with AI from lab LaTIM

mercredi 26 avril 2023 09:00 (20 minutes)

Dose distribution is simulated by Monte Carlo (MC) method generally. However, due to its data dependency, complex model, long computational time, instead, our work utilize AI models to predict dose distribution in real time, which is a series of mathematical operations that fit on a wide range of data and flexible in handling new cases. Furthermore, this work compares the MC simulation (OpenGate based on Python) and DL methods (3D U-Net) for predicting dose maps. And the preliminary results are promising.

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Classification de Session: GATE scientific meeting 2023