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Theranostic and Monte Carlo simulation

Monday, 11 October 2021 10:20 (20 minutes)

We will describe our experiences regarding dosimetry in radionuclide therapy (Lu177 and SIRT) performed at our institution. Dose estimation from post and per-treatment SPECT images is performed via dose-rate computation with Monte-Carlo simulation (Gate/Geant4). We will also describe current investigations of deep learning to speed up Monte Carlo simulations.

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