

Stanford

Yusuke Nomura

Postdoctoral Research Fellow, Radiation Physics

Bio

STANFORD ADVISORS

- Lei Xing, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Fast spot-scanning proton dose calculation method with uncertainty quantification using a three-dimensional convolutional neural network.** *Physics in medicine and biology*
Nomura, Y., Wang, J., Shirato, H., Shimizu, S., Xing, L.
2020
- **Projection-domain scatter correction for cone beam computed tomography using a residual convolutional neural network** *MEDICAL PHYSICS*
Nomura, Y., Xu, Q., Shirato, H., Shimizu, S., Xing, L.
2019; 46 (7): 3142–55
- **Modified fast adaptive scatter kernel superposition (mfASKS) correction and its dosimetric impact on CBCT-based proton therapy dose calculation.** *Medical physics*
Nomura, Y., Xu, Q., Peng, H., Takao, S., Shimizu, S., Xing, L., Shirato, H.
2019