

Team info

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Method

The system was applied via NiftyNet platform. There is no parameter tuning, modification or pre/post-processing. The results were generated by default parameters that developers provided. Input volumes scaled to 96x96x96 resolution for memory optimization. Output volumes of the network were rescaled to original data after segmentation.

Details of the system can be obtained from the publications below:

- I. Olaf Ronneberger, Philipp Fischer, Thomas Brox, U-Net: Convolutional Networks for Biomedical Image Segmentation, Medical Image Computing and Computer-Assisted Intervention (MICCAI), Springer, LNCS, Vol.9351: 234--241, 2015, available at https://link.springer.com/chapter/10.1007%2F978-3-319-24574-4_28
- II. E. Gibson, W. Li, C. Sudre, L. Fidon, D. Shakir, G. Wang, Z. Eaton-Rosen, R. Gray, T. Doel, Y. Hu, T. Whyntie, P. Nachev, M. Modat, D. C. Barratt, S. Ourselin, M. J. Cardoso and T. Vercauteren (2018) NiftyNet: a deep-learning platform for medical imaging, Computer Methods and Programs in Biomedicine. <https://doi.org/10.1016/j.cmpb.2018.01.025>