This zip file contains the code we used for deep-learning based ASL denoising which was published in:

1. Danfeng Xie, Y Li, H Yang, Li Bai, T Wang, F Zhou, L Zhang, **Ze Wang#**. Denoising Arterial Spin Labeling Cerebral Blood Flow Images Using Deep Learning. Magnetic Resonance Imaging, 2020, 68:95-105.<https://doi.org/10.1016/j.mri.2020.01.005>
2. Lei Zhang, Danfeng Xie, Yiran Li, Aldo Camargo, Donghui Song, Jean Jeudy, David Dreizin, Elias Melhem, **Ze Wang**#, Improving Sensitivity of Arterial Spin Labeling Perfusion MRI in Clinical Application Using Transfer Learning of Deep Learning-based ASL Denoising, JMRI 2021 Nov 6. doi: 10.1002/jmri.27984. Online ahead of print.

The trained model is also included.