## Supplementary file: Unsupervised Domain Adaptation using Soft-Labeled Contrastive Learning with Reversed Monte Carlo Method for Cardiac Image Segmentation

Mingxuan Gu<sup>1</sup>, Mareike Thies<sup>1</sup>, Siyuan Mei<sup>1</sup>, Fabian Wagner<sup>1</sup>, Mingcheng Fan<sup>1</sup>, Yipeng Sun<sup>1</sup>, Zhaoya Pan<sup>3</sup>, Sulaiman Vesal<sup>2</sup>, Ronak Kosti<sup>1</sup>, Dennis Possart<sup>3</sup>, Jonas Utz<sup>3</sup>, and Andreas Maier<sup>1</sup>

 <sup>1</sup> Pattern Recognition Lab, Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany
<sup>2</sup> Department of Radiology, Stanford University, Stanford, CA, USA
<sup>3</sup> Department Artificial Intelligence in Biomedical Engineering, Erlangen, Germany mingxuan.gu@fau.de

Image

Fig. 1. Visual comparison of all the reference methods on the CT-MR dataset.

 $\mathbf{2}$ M. Gu et al.

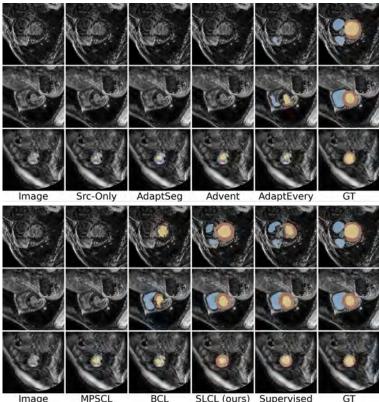


Image MPSCL BCL SLCL (ours) Supervised

Fig. 2. Visual comparison of chosen extreme cases of all the comparison methods on the MSCMRSeg dataset, which shows the robustness of the proposed method. Src-Only is the baseline method trained only with source data. Supervised refers to the supervised learning on the target data.