

Assisted annotation in Deep LOGISMOS: Combining deep learning and graph optimization for simultaneous multi-compartment 3D segmentation of calf muscles on MRI

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Abstract

175 MR images of 350 lower legs from 93 subjects (47 healthy, 35 DM1, 6 Pre-DM1, 5 JDM). MR image size was $512 \times 512 \times 30$, voxel size $0.7 \times 0.7 \times 7$ mm, acquisition used the first echo of a 3 point Dixon gradient echo sequence, TR = 150 ms, TE=3.5 ms, FOV=36 cm, bandwidth 224 Hz/pixel, scan time 156s.

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