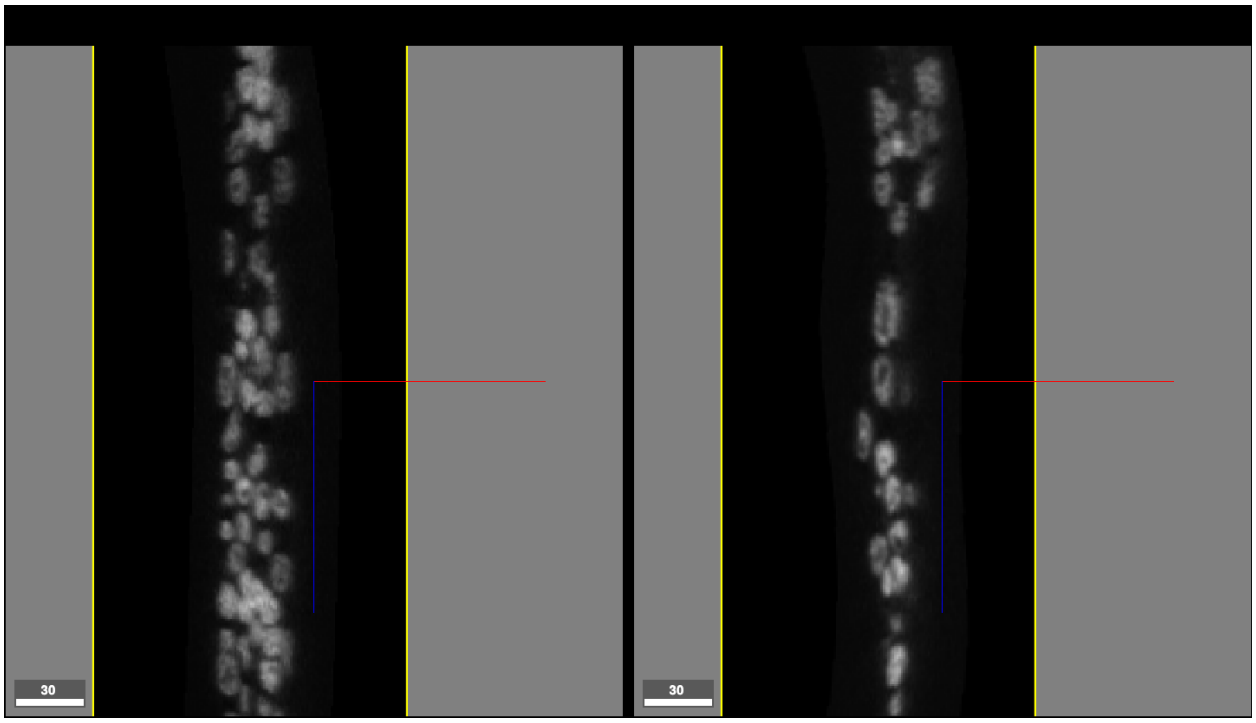
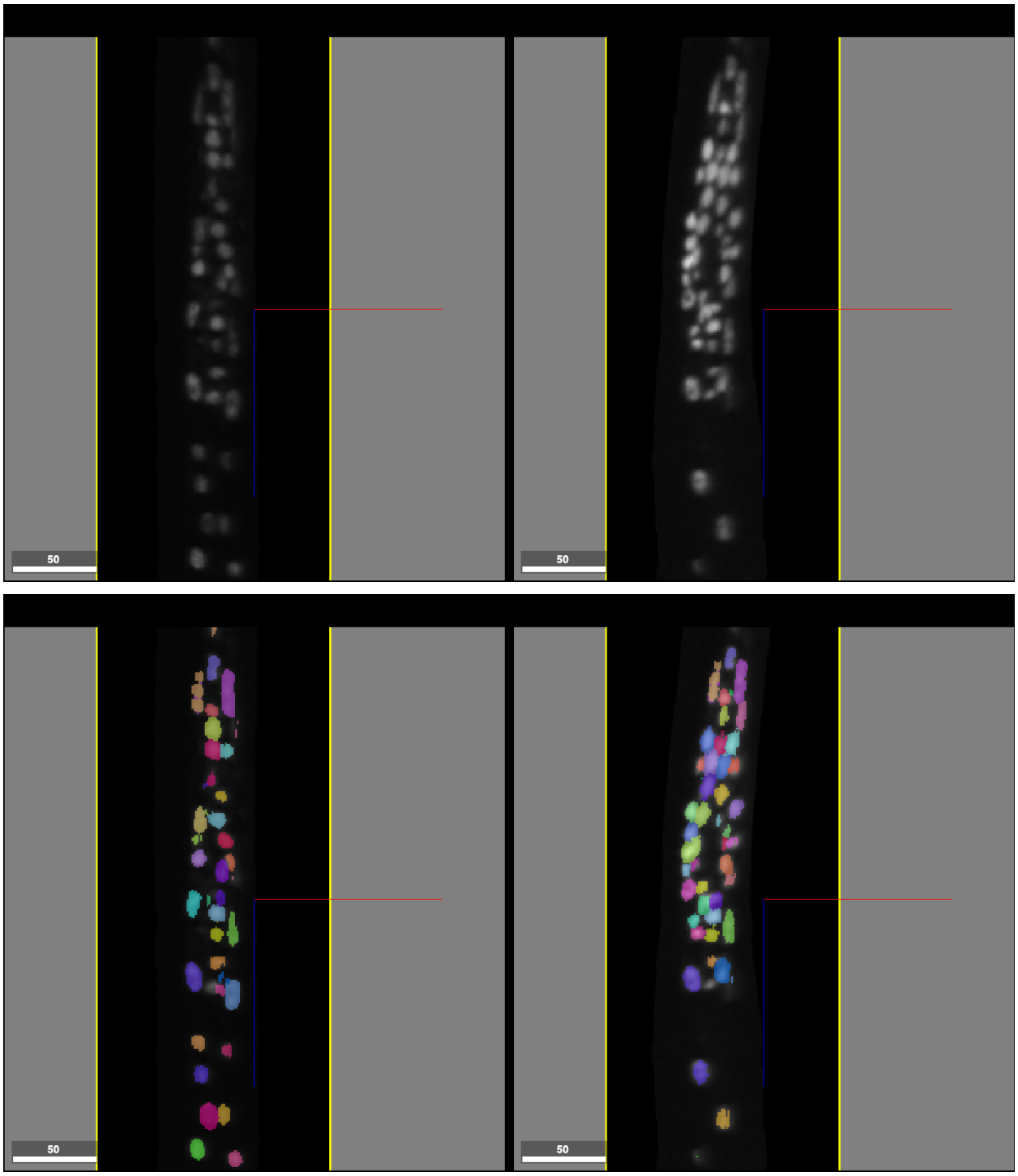
Choosing elastic augmentation parameters for worms dataset.

With torchio, there are two parameters to set. Num_control_points, and max_displacement.

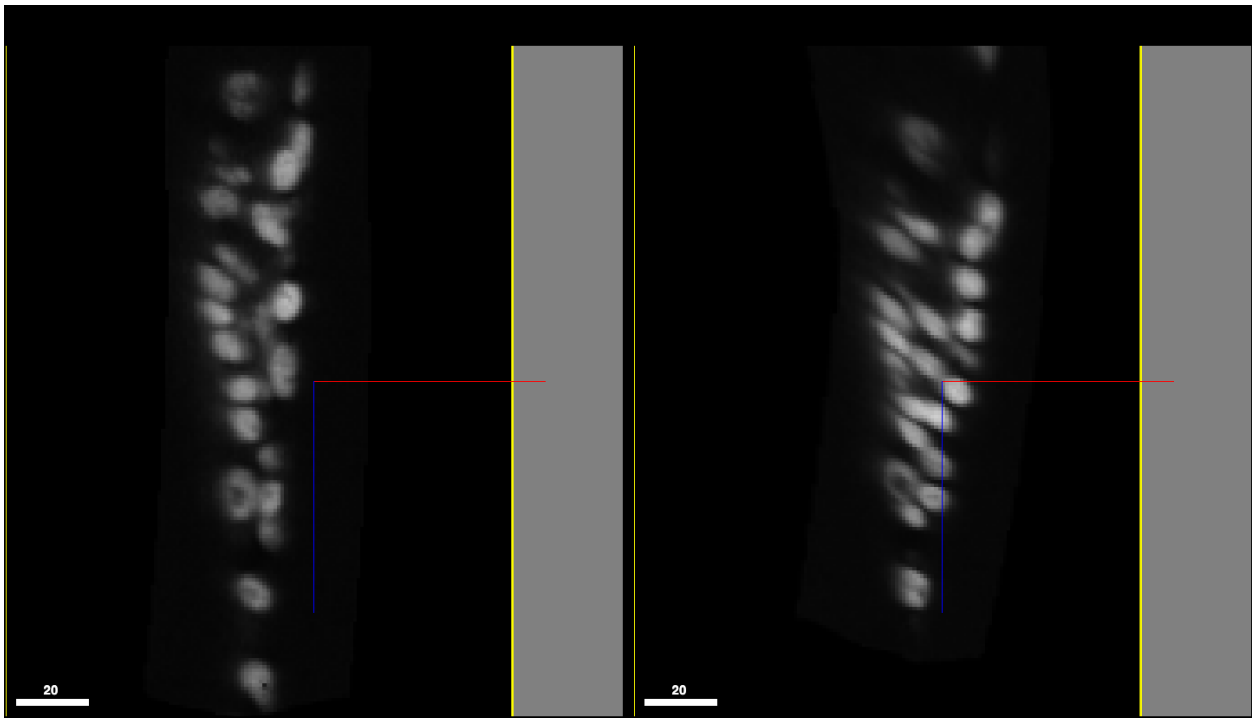
There are cells with 25 px diameter. Considering this, choosing num_control_points=[6,6, 20] seems reasonable, and max_displacement of 15.

Results for the mentioned settings give reasonable deformations, and still large enough variation. Left is original, right is deformed with max_displacement either + or - (not random from 0 to max_displacement).





For example for max_displacement=[20,20,30] it starts looking bad:


20
20