Progress – Master Thesis

- The survey

[8] A. Sotiras, C. Davatzikos, and N. Paragios, "Deformable medical image registration: a survey," *IEEE transactions on medical imaging*, vol. 32, pp. 1153–1190, July 2013.

is comprehensive and describes the state of the art of image registration. It has 600 citations. I summarized it in **two** pages in the master thesis.

- A network was setup that takes a moving and a fixed image as input and predicts the displacement field in x and y direction. A loss is defined based on the prediction and labels that are the known key points in moving and fixed image.

- Four training were carried out investigating the image size and the amount of feature maps in the Unet. Sufficient results could be obtained for a fine resolution of the image. Peak finding can now be conducted.