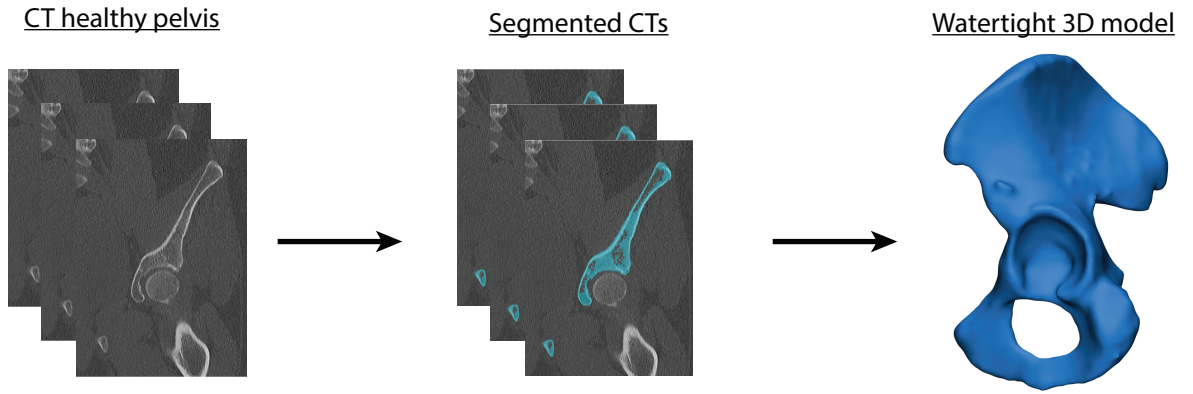


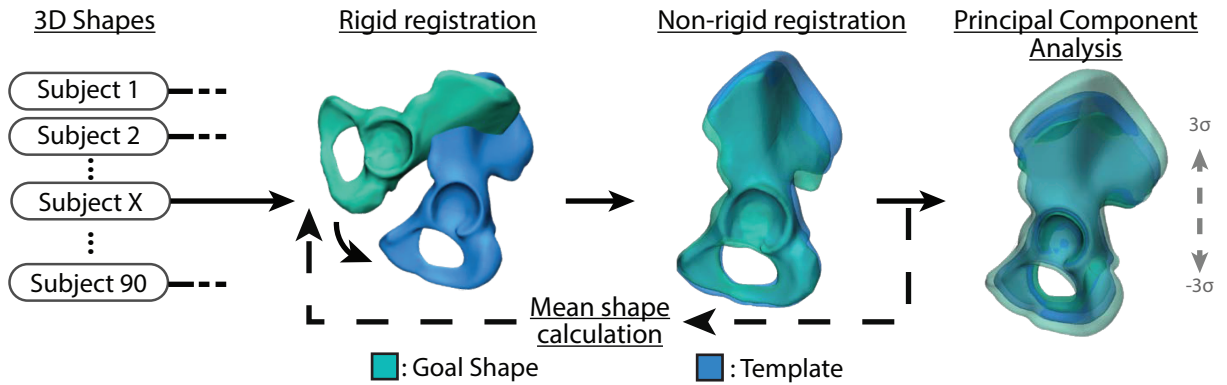
Segmentation in Mimics Innovation Suite

Training Set
Creation



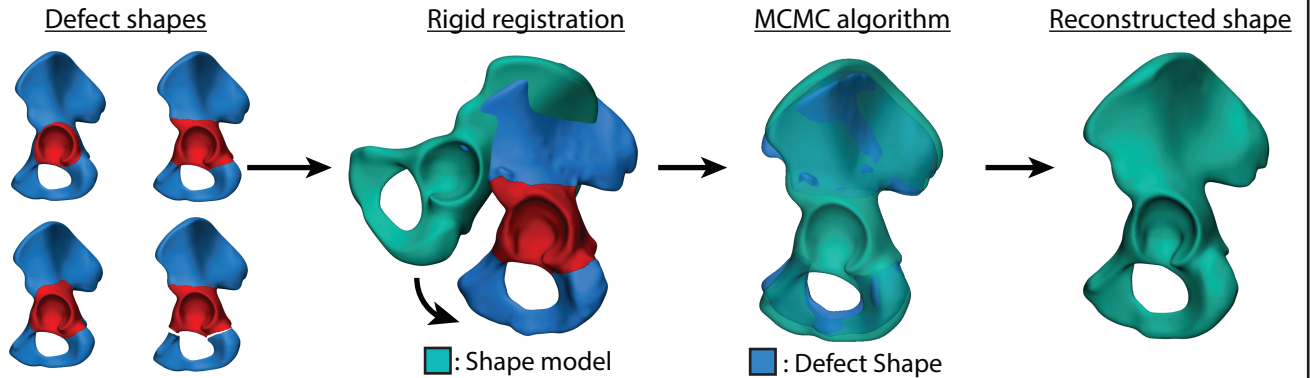
Registration and Alignment using MeshMonk toolbox in MATLAB

Shape Model
Creation



Markov chain Monte Carlo-based reconstruction using Scalismo library in Scala

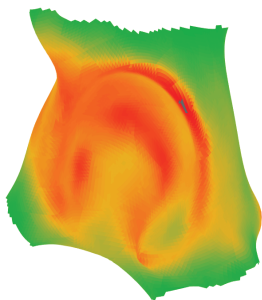
Shape
reconstruction



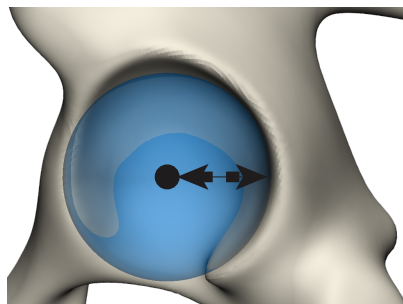
Automated Measurements in MATLAB

Reconstruction
Validation

Reconstruction and fit error



Hip joint centre position and acetabular radius



Acetabular direction

