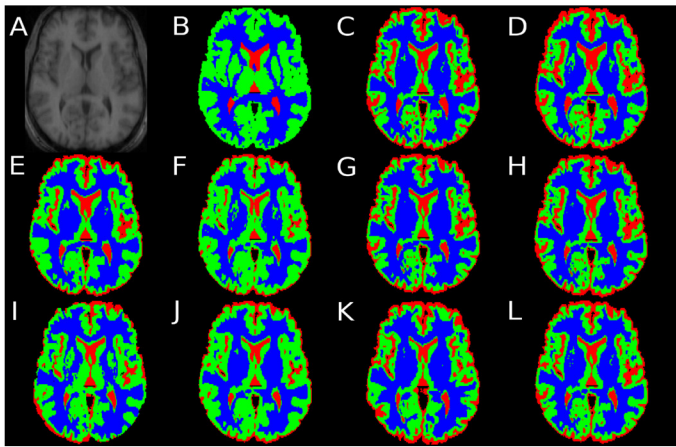
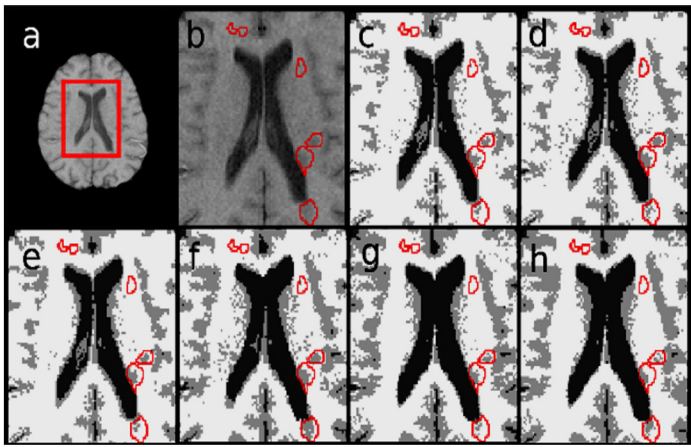


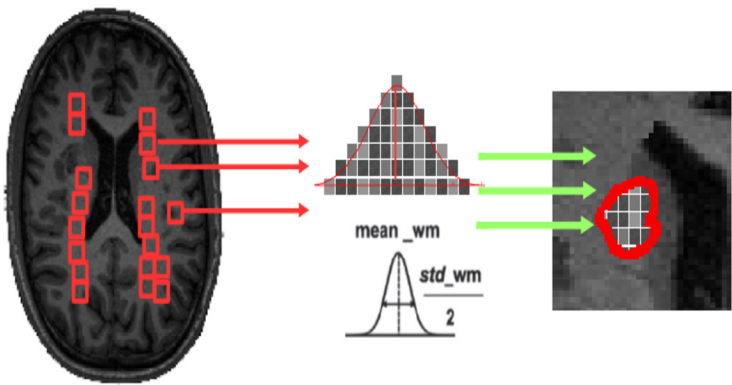
Chapter 1: Research context, background of the thesis and objectives



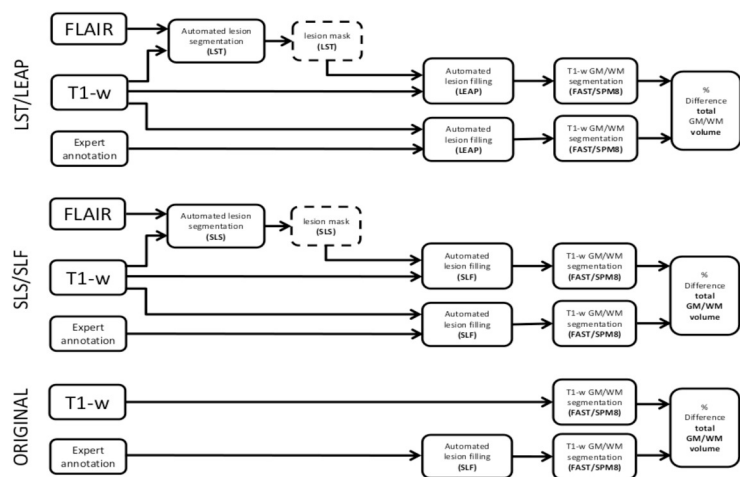
Chapter 2: Comparison of 10 brain tissue segmentation methods using revisited IBSR annotation



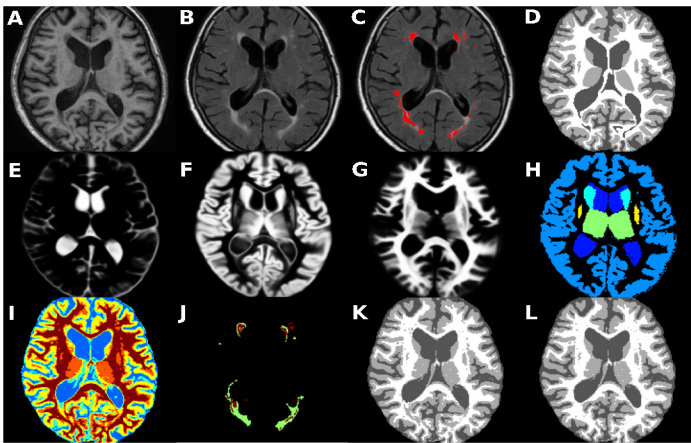
Chapter 3: Evaluating the Effects of WM Lesions on the Volume estimations of 6 brain Tissue Segmentation Methods



Chapter 4: A white matter lesion-filling approach to improve brain tissue volume measurement



Chapter 5: Quantifying brain tissue volume on MS using automated lesion segmentation and filling



Chapter 6: Automated brain tissue segmentation of MR images in the presence of WM lesions

Chapter 7: Discussion of the results obtained in the different performed analyses and proposed methods suggested in this thesis

Chapter 8: Conclusions and future work