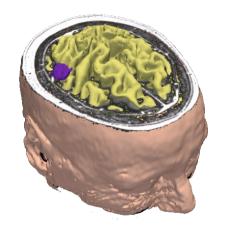
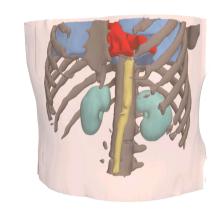


EMSegmenter Tutorial (Simple Mode)









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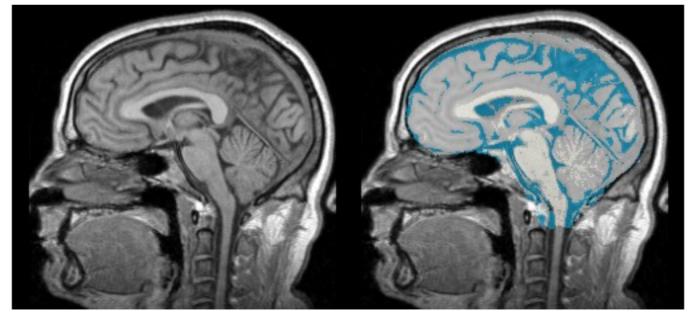


Overview



The goal of this tutorial is to apply the EMSegmenter to MRI brain scans. We will segment the clinical T1 scan shown below into grey matter, white matter, and cerebrospinal fluid.

The tutorial is based on Slicer 3.6.2.



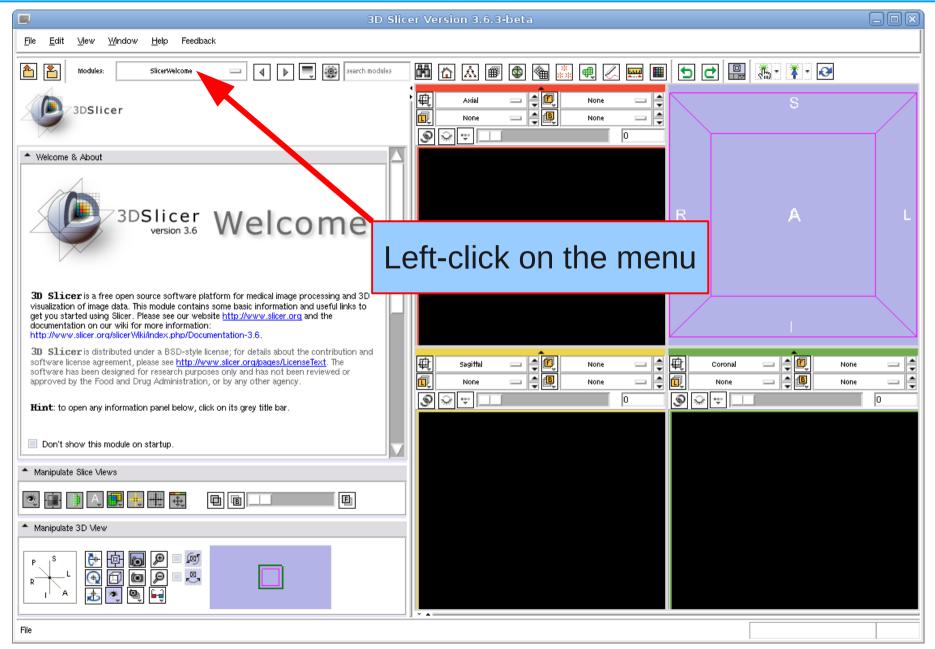
Before

After



EMSegmenter (simple mode)

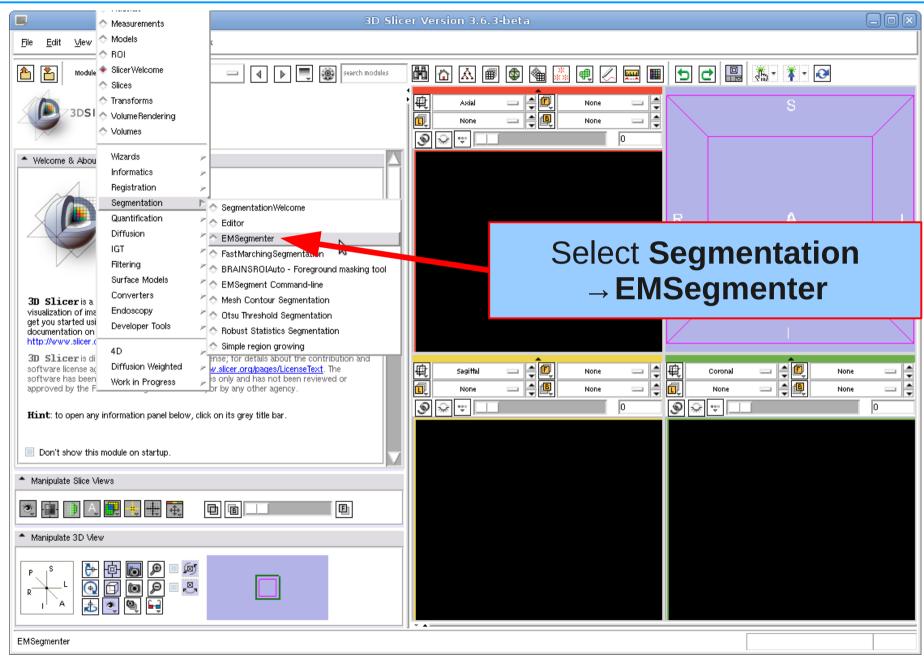






Select EMSegmenter module

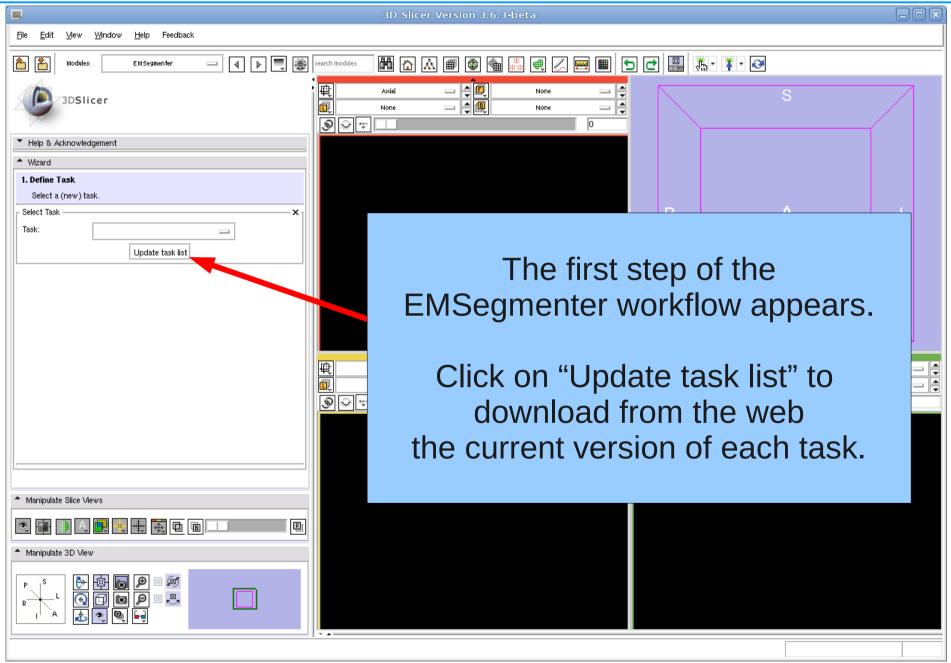






Update Task List

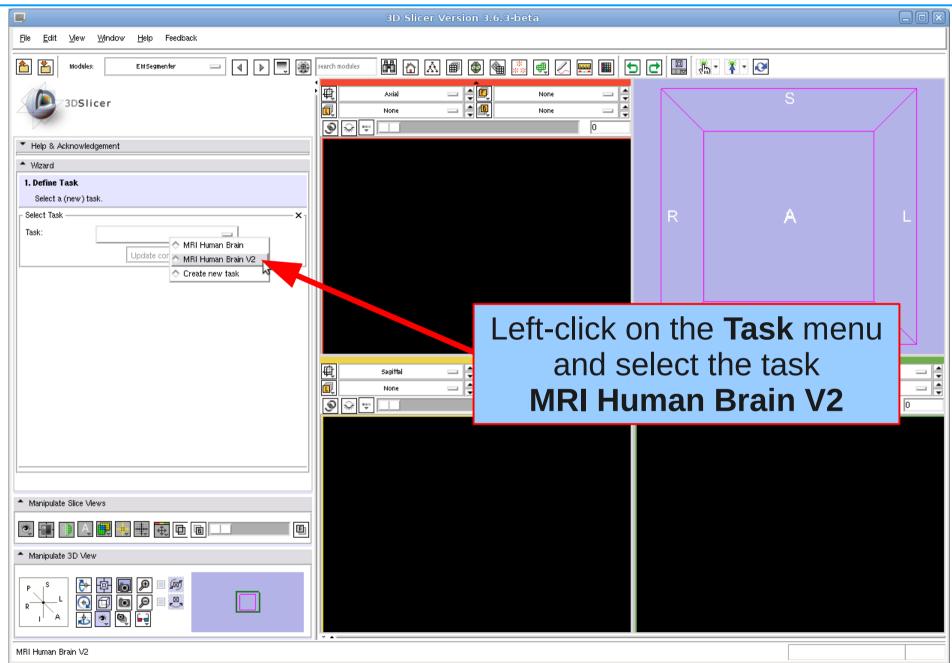






Select Task

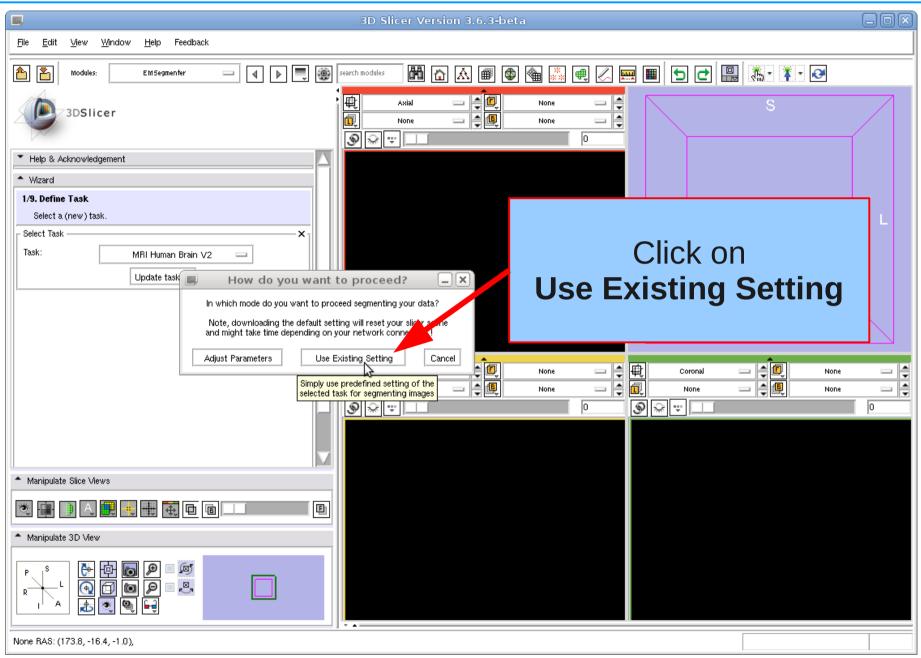






Select Task

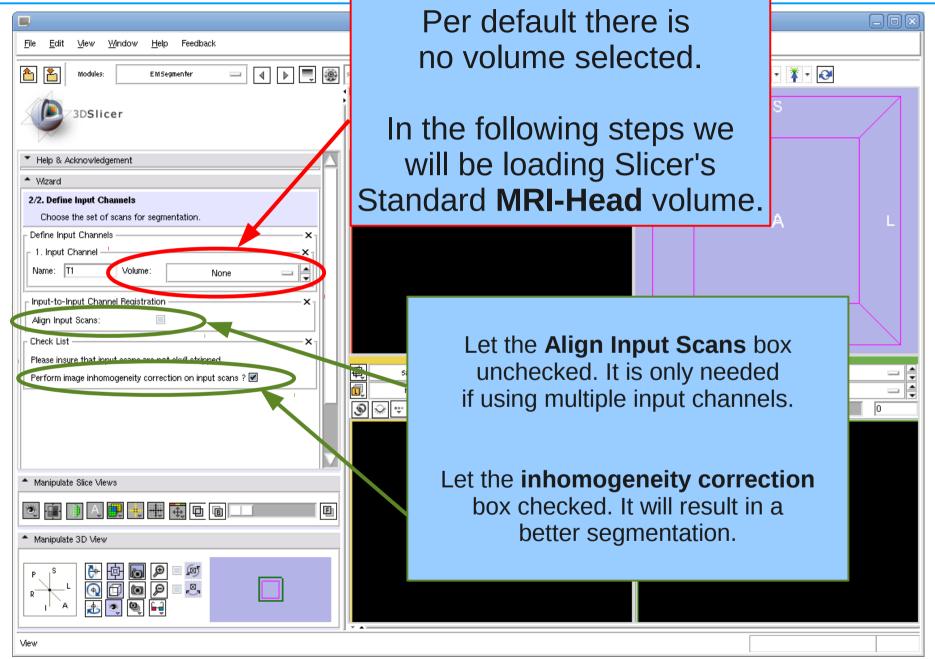






Define Input Channels

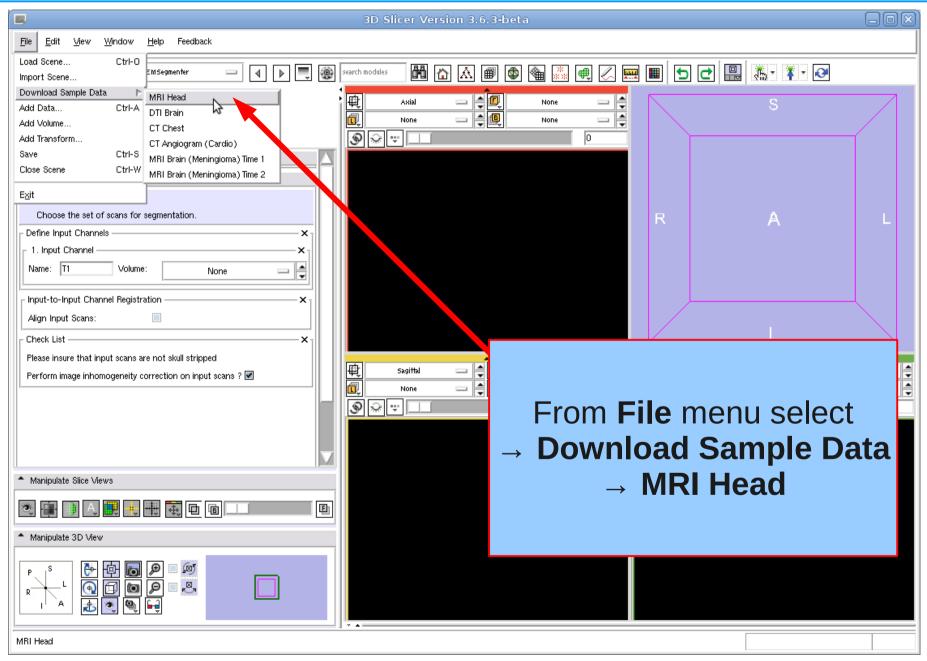






Load subject volume

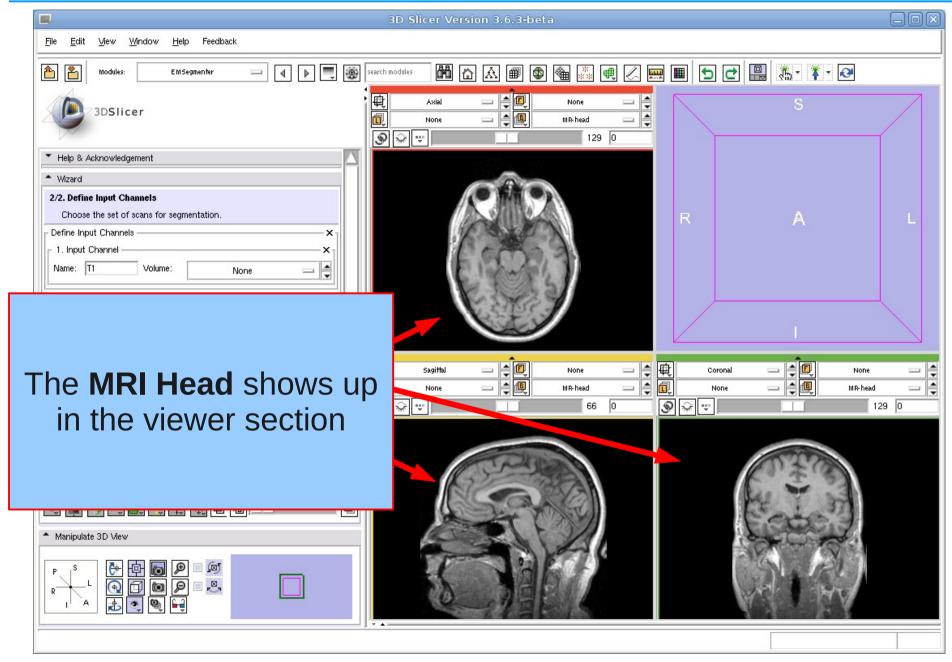






Display MRI Head

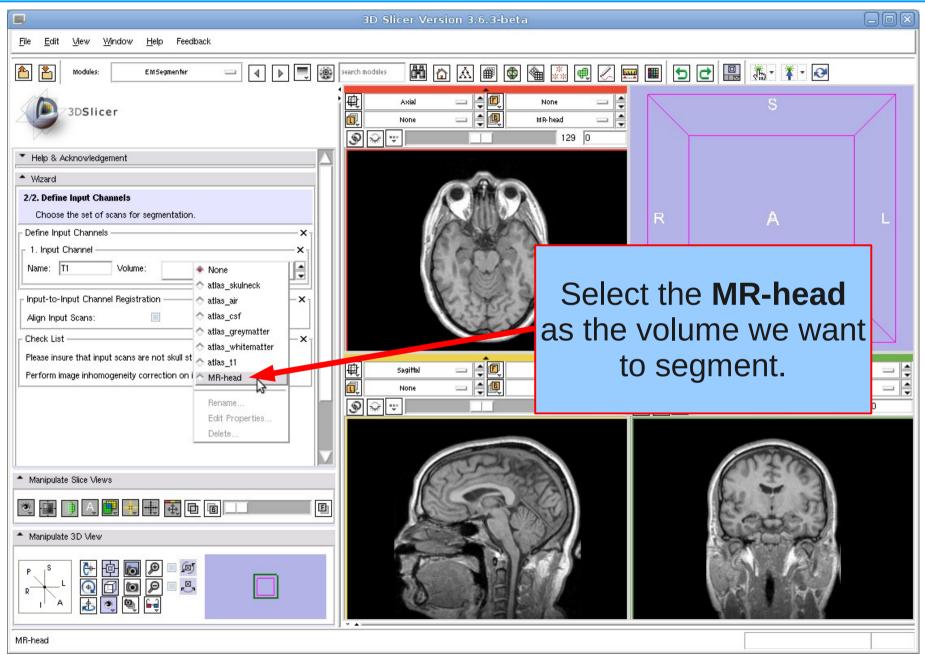






Define Input Channel

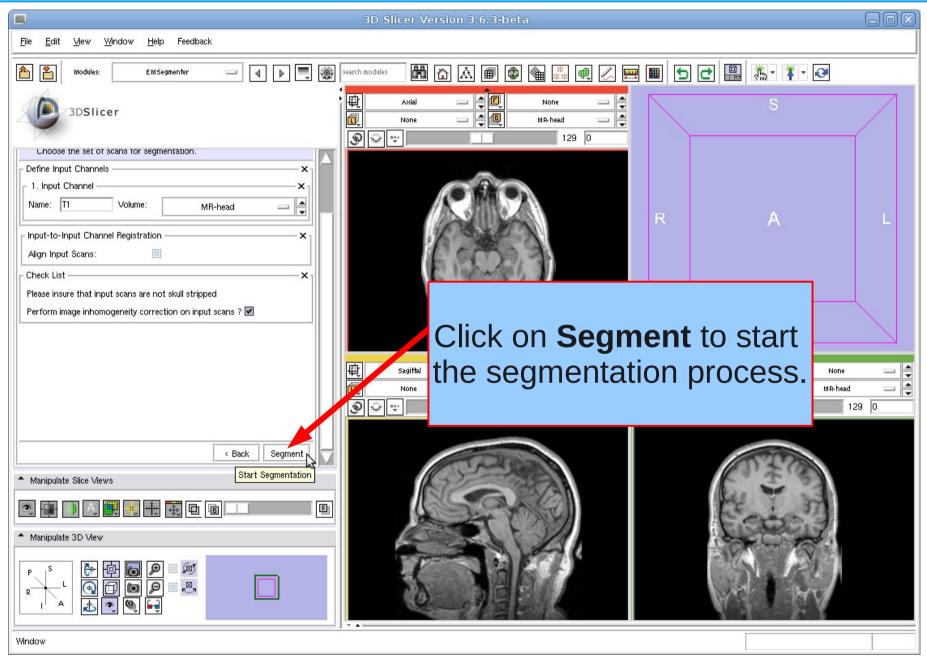






Start Segmentation

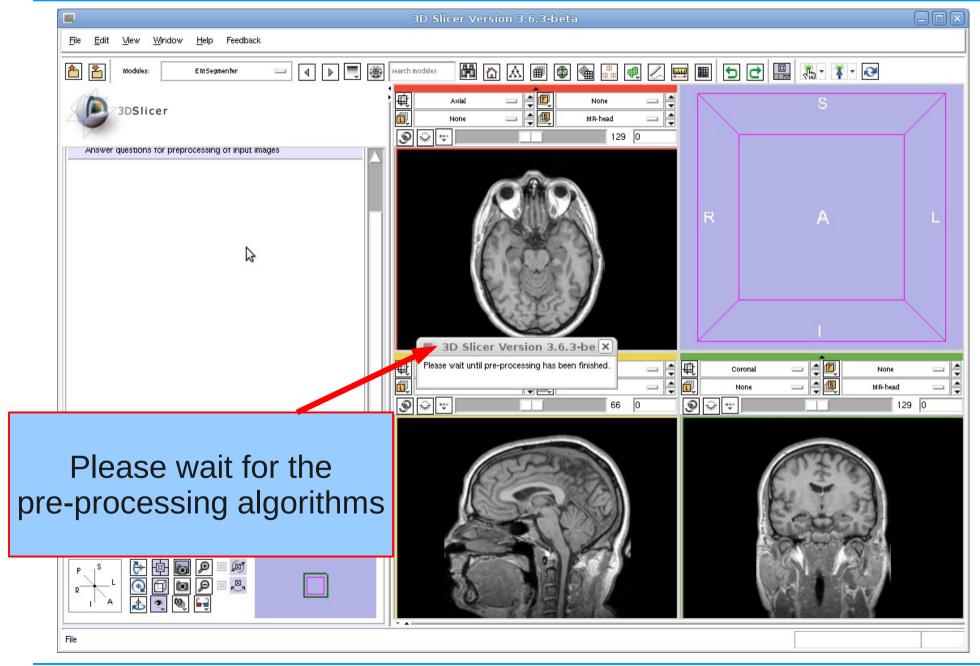






Pre-Processing is running

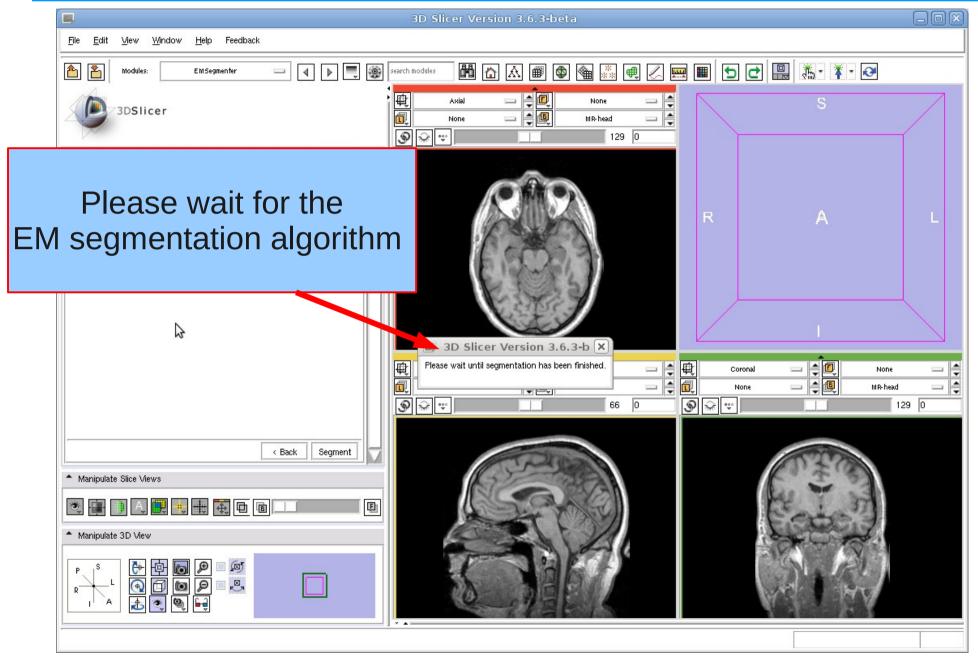






EM Segmentation is running

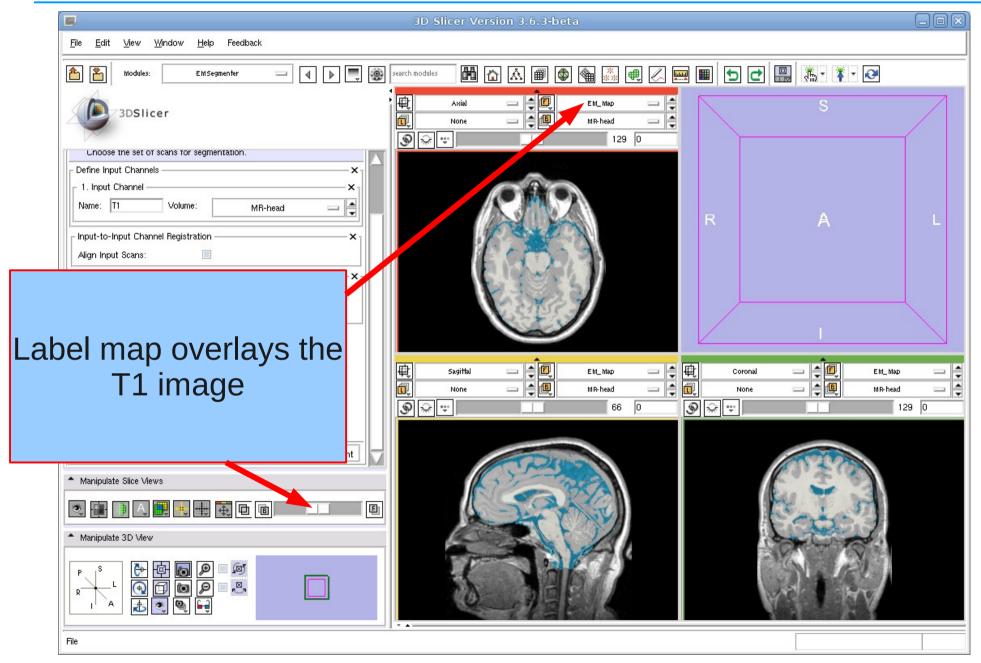






Result: Label map





Further Info & Acknowledgments

EMSegmenter Wiki Page:

http://www.slicer.org/slicerWiki/index.php/EMSegmenter-Overview

The EMSegmenter technology behind was reported in:

K.M. Pohl et. A hierarchical algorithm for MR brain image parcellation. IEEE Transactions on Medical Imaging, 26(9), pp 1201-1212, 2007.

We thank the following institutions for their support:





