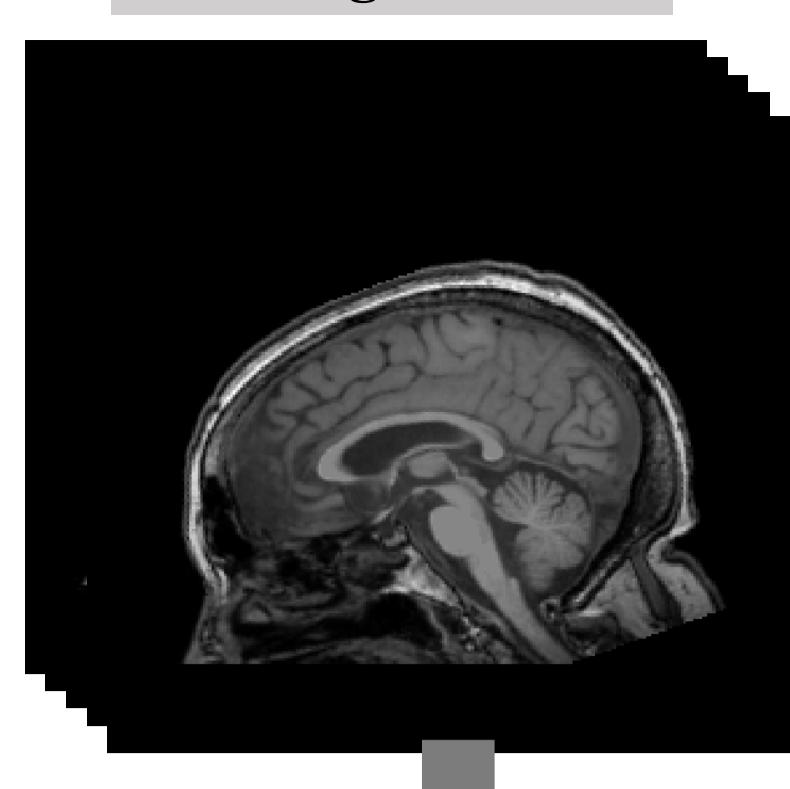
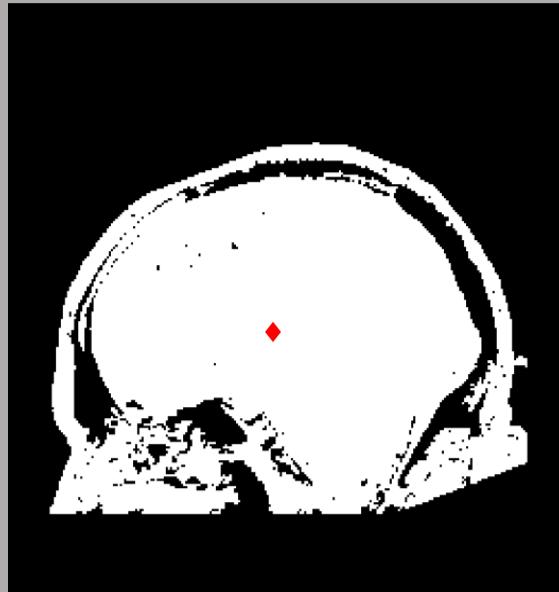


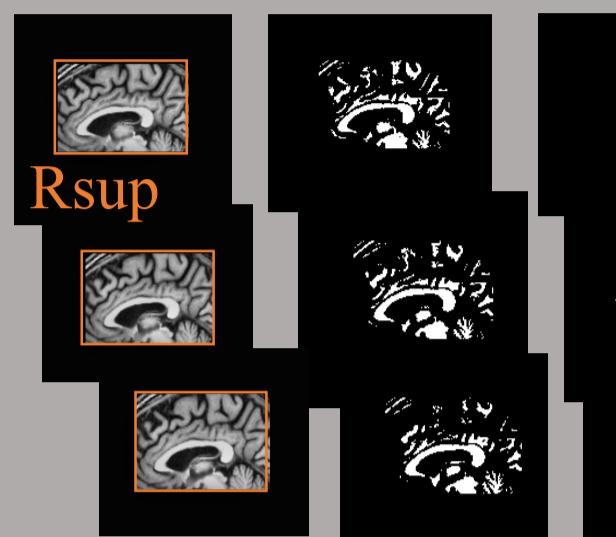
T1- Weighted MRI



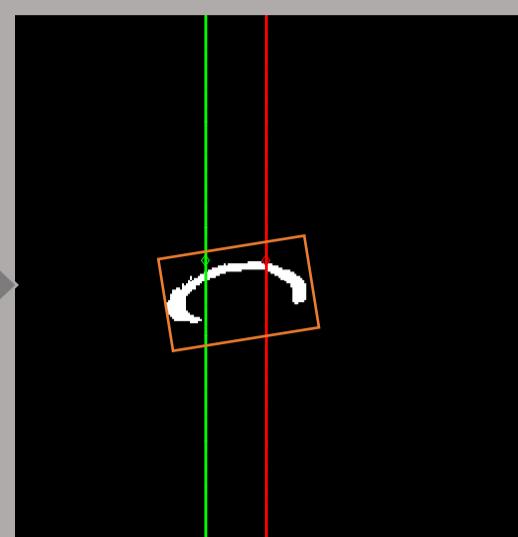
Automatic segmentation of the corpus callosum and Individuation of mid-sagittal plane



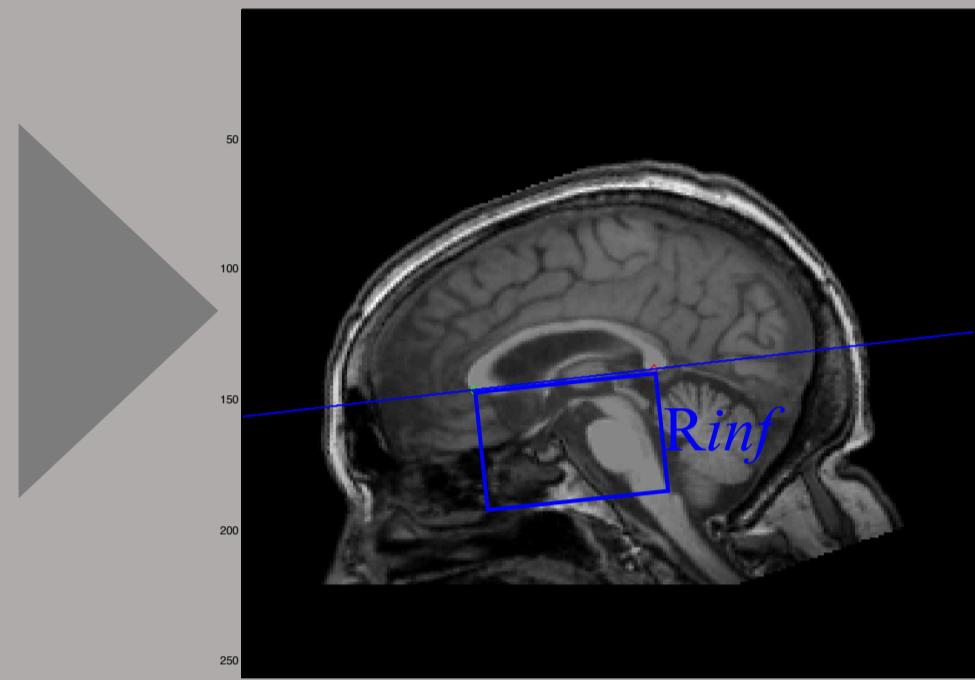
a. Gravity center (GC) Point



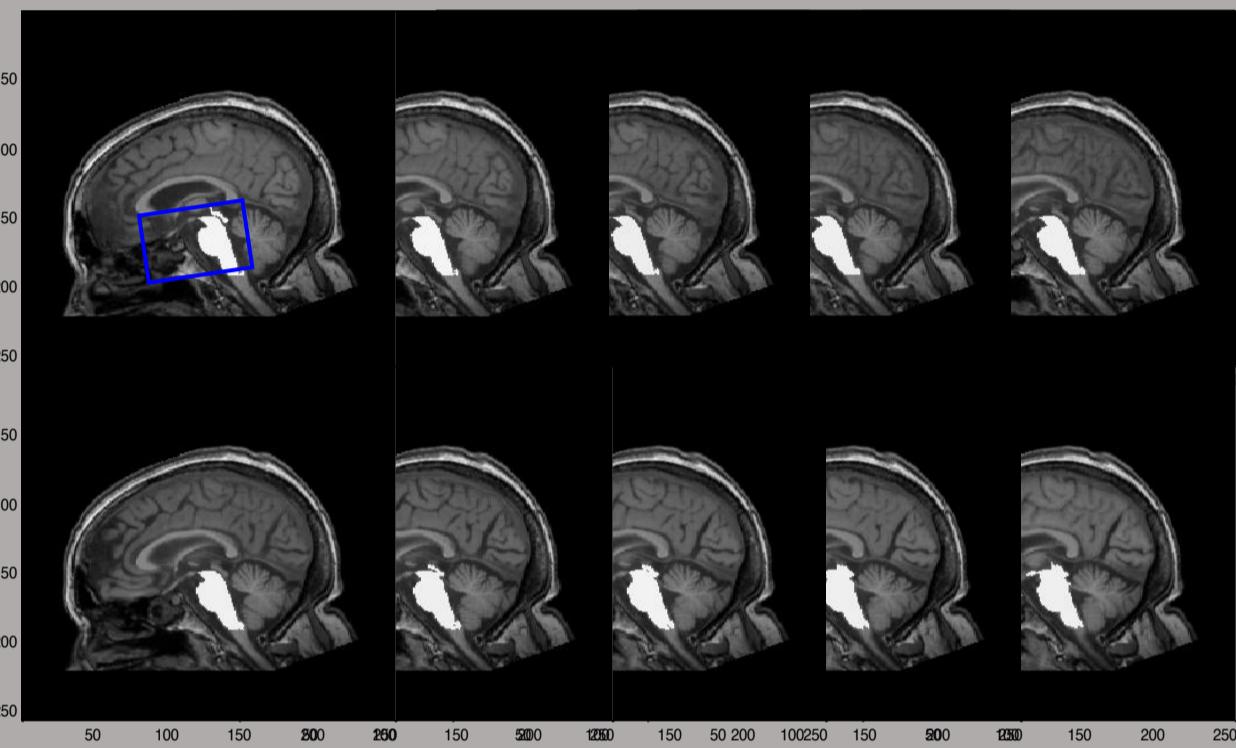
b. R^{sup} mask on S1 slices



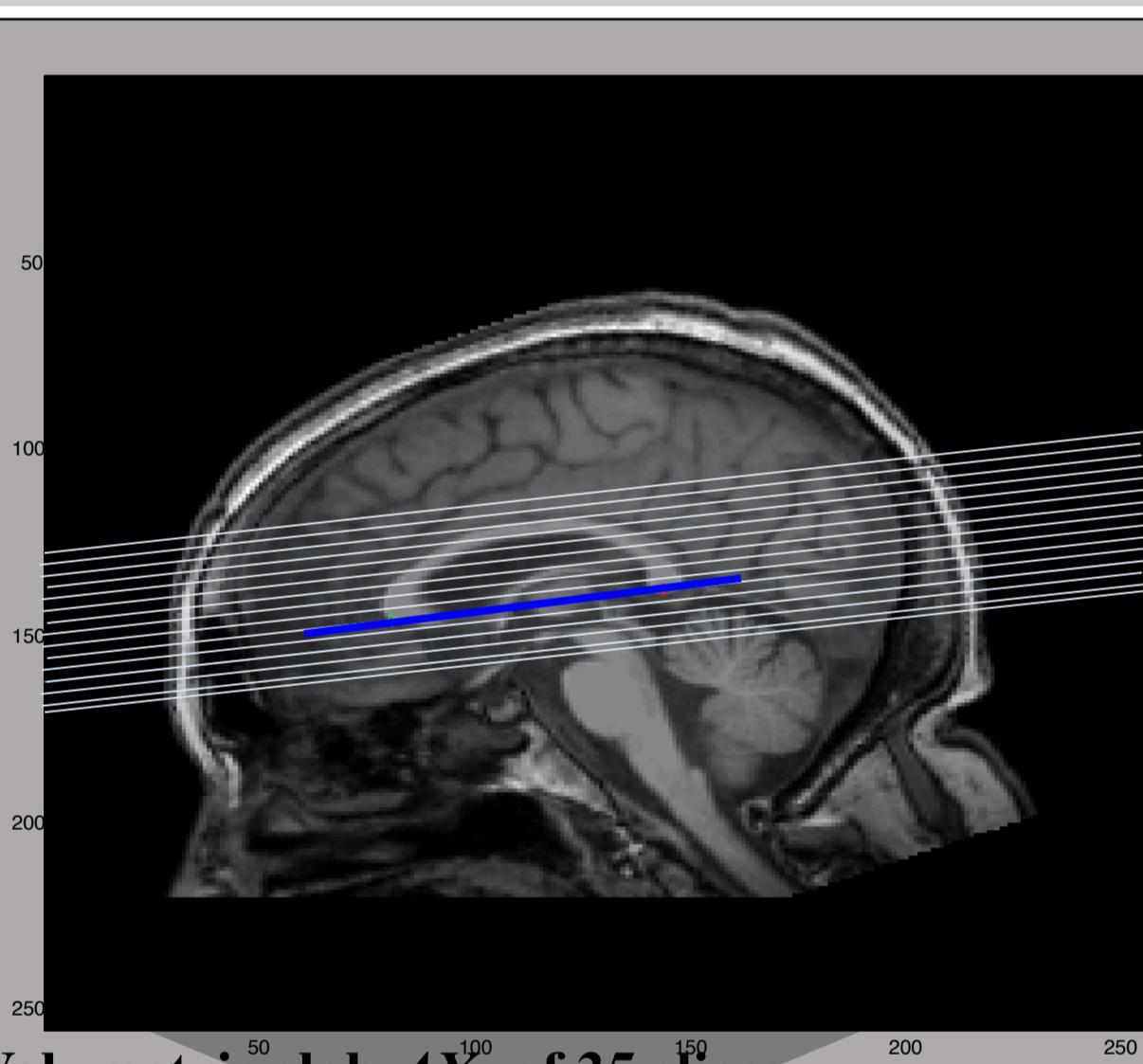
c. Temporary Bicallosal Line



d. R^{inf} mask application



e. Identification of mid-sagittal plane

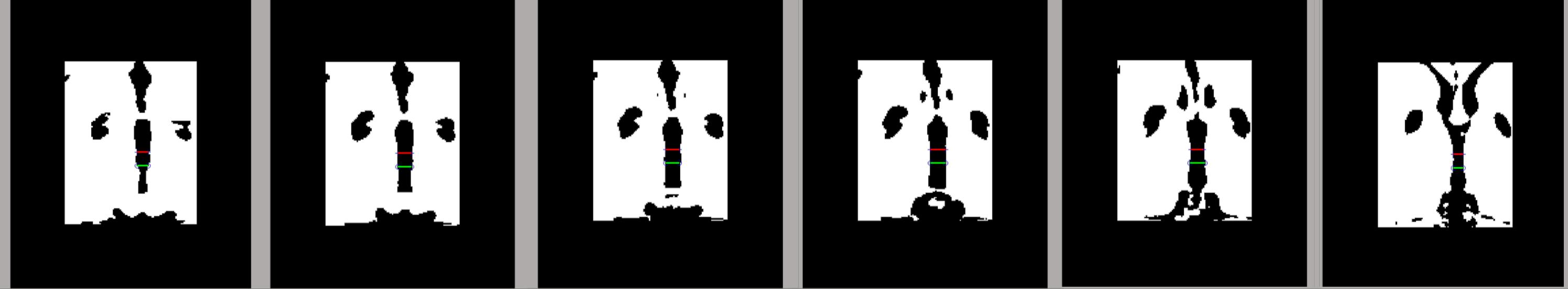


f. Volumetric slab AX¹⁰⁰ of 35 slices



h. 3rd Ventricle

g. Individuation of the Best slice with the measurements of two linear distances

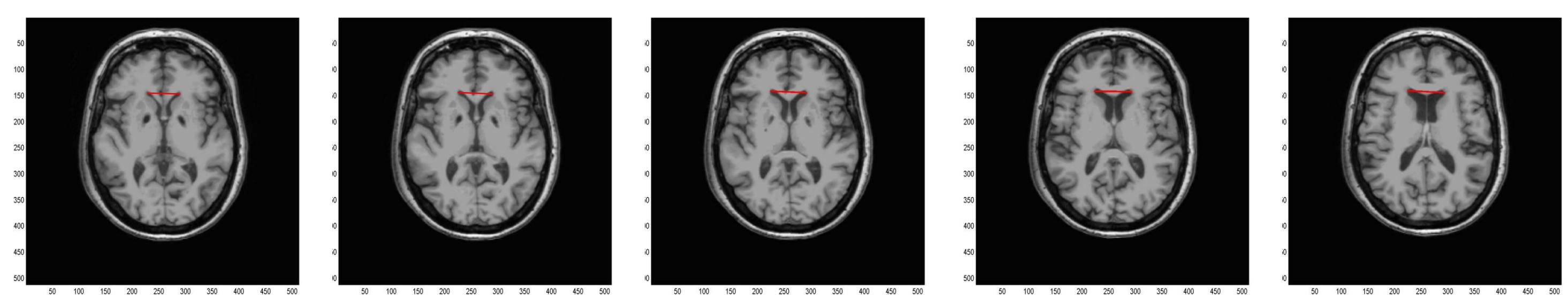


Automatic Segmentation of the Frontal Horns

i. RFH applied on a subset of AX1 slices to identify the Frontal Horns



j. Automatic segmentation of the FHs



AUTOMATIC MRPI 2.0 = MRPI • 3°V /FH