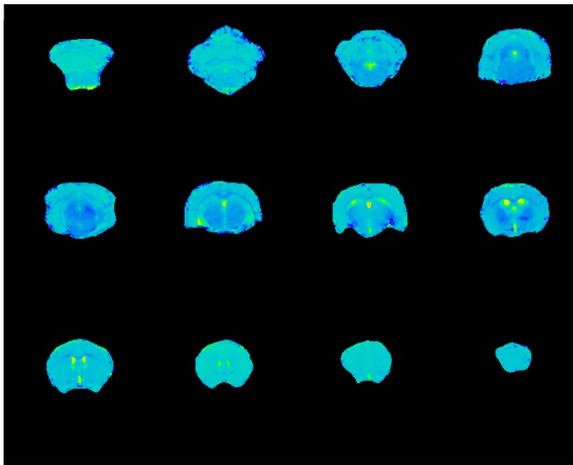


Protocol: Whole Brain Mouse T1 Map

Purpose

- Measurement of whole brain T1 maps in a mouse.



Protocol Directory: "C_ MouseWholeBrainT1Map"				
Type	Protocol Name	In-plane resolution, slice thickness	Slices	Scan time
Localizer	<i>1_TripilotMouse</i>			0.5 min
T1T2Map	<i>2_T1MapEpi</i>	200 μ m X 200 μ m, 1 mm	16	4.5 min

Instructions

1. Use the mouse brain surface array with Coil B.
2. Position the mouse brain surface coil array carefully. Regions away from the coil center will have lower SNR and will produce poor T1 maps.

Post-Processing Support

T1 maps can be calculated with Bruker Paravision 5.1. Drag your acquired T1 map into the Image Display window. From the Image Display window select "Processing \rightarrow Image Sequence Analysis." From the Image Sequence Analysis (ISA) window select "Calculate Parameter Images All Slices." The calculated images will be stored in a "pdata/#" directory with the rest of the Bruker data.