# Volume Render: Fabricate Tool

The Volume Render Fabricate Tool allows for the creation of objects from a text file with coordinates or by user defined coordinates. This exercise will demonstrate how to create objects from a predefined log file. The log file provides a list of the coordinates, the centroids of 61 electrodes from an electrode grid. Using the fabricate tool we will create an electrode object around each coordinate.

1. Load the **Trans_Pre_OP_MRI** and open it in the **Volume Render** module (**Display > Volume Render**).

2. Open the **Fabricate Tool** (**Tools > Manipulate > Fabricate**). Click the **Alt** button once and then click the File button (figure 1).

3. Navigate to the log file **Electrodes_FabTool.log** in the **C:/BIR/ Images/TutorialData** directory.

4. Adjust the **Radius** to **10.** This will define an electrodes object with a radius of 10 voxels. Set **Change** to **Object Map**, then from the **Defined Object** menu select ***New***.

5. Click **Create**.

6. From the main Volume Render window, open the **Preview** window (**Generate > Preview**). To rotate the image, click and drag the rendering in the Preview window.

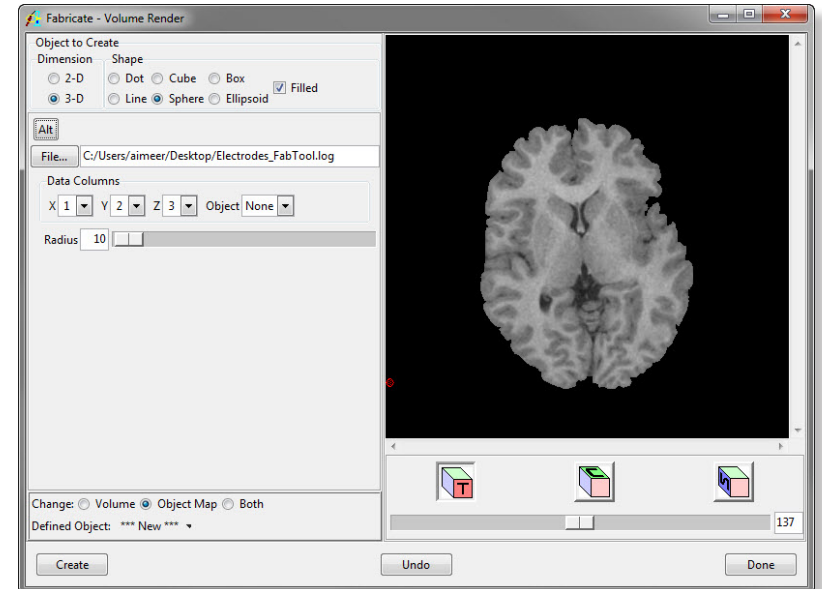7. Open the **Render Type** window (**Generate > Render Type**), select **Object Compositing**, the rendering is shown in figure 3.
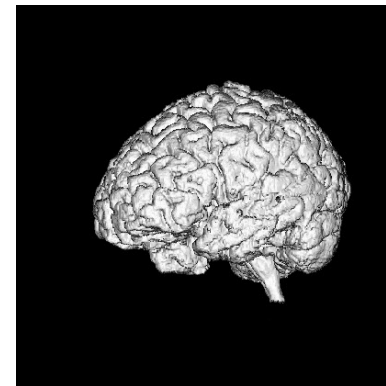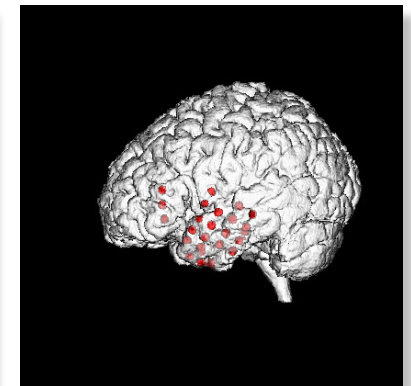

Figure 1


Figure 2


Figure 3

AnalyzeDirect