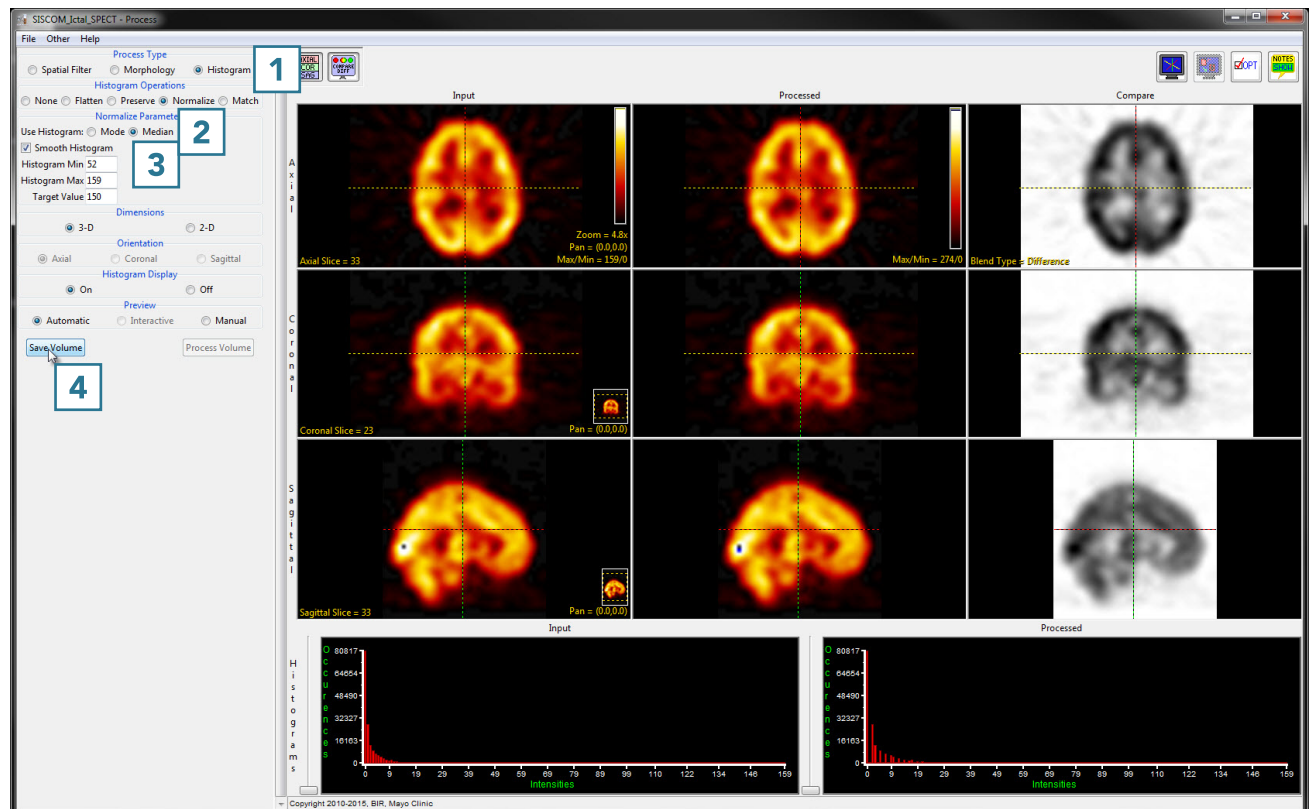


2. Histogram Normalization

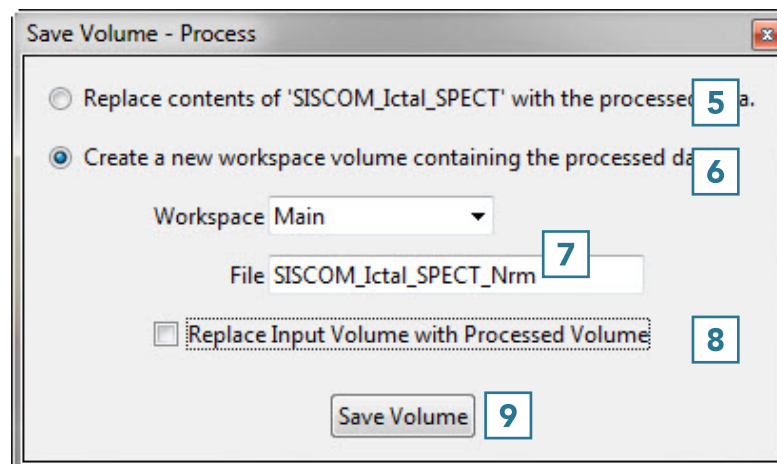
This exercise will show how to normalize the histogram of two functional data sets to the same median value so that they can be compared to each other.

- Select the first data set in the main workspace and open Process.
- Set the process type to Histogram **1** and choose Normalize **2** as the histogram operation.
- Set the parameters to use the histogram median and a target value of 150. **3**
- Setting the target value of each data set to the same value will allow comparison between the two.
- Click Save Volume. **4**

Download the SISCOM_Ictal_SPECT and SISCOM_Interictal_SPECT data sets to follow along <http://analyzedirect.com/data/>



- In the Save Volume window, choose to replace the input volume with the process volume **5** or create a new workspace volume. **6**
- Name the file, if creating a new workspace volume. **7**
- If you want to process the volume further, choose to replace the input volume with the process volume. **8**
- Click Save Volume to apply the changes. **9**



Repeat these steps with the other data set. Once both data sets are normalized to the same median value, they can be subtracted to create a difference map or otherwise quantitatively compared.