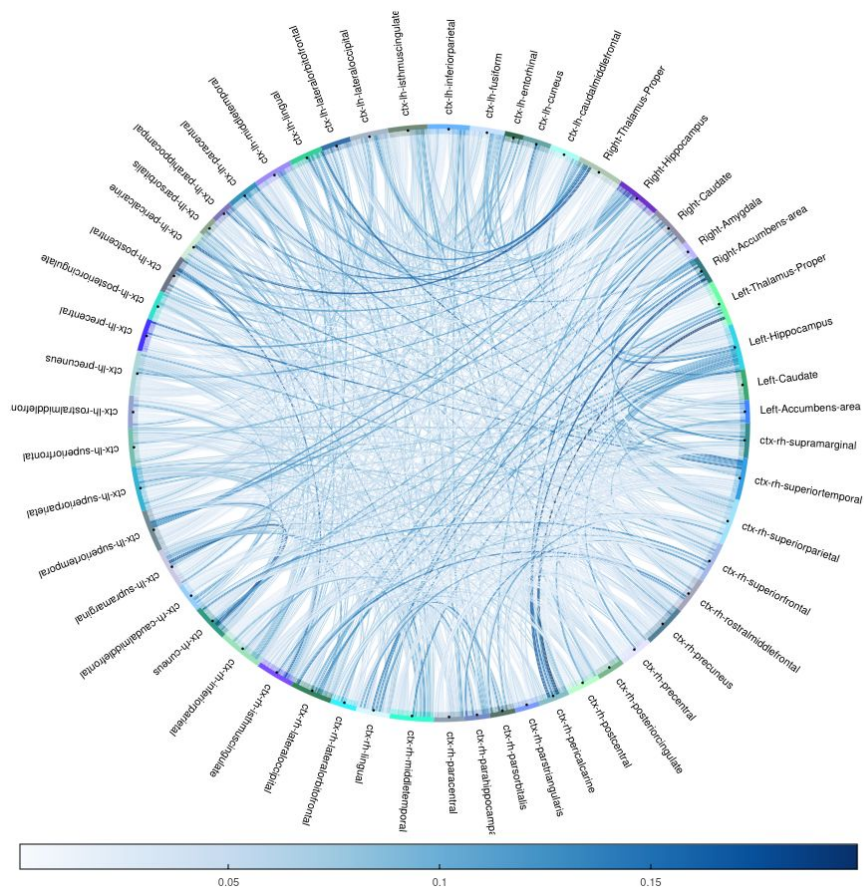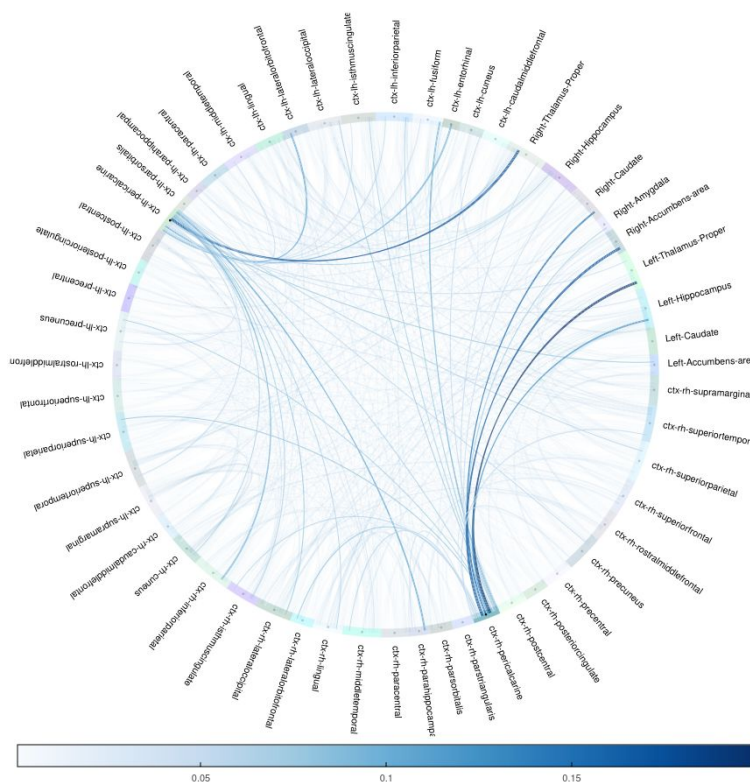In this document we gather just a few visualization that serve as examples of images that might be included in our paper. The information that the images show can still be adapted in the source code, so as to highlight different aspects of our research.

Connectogram

Here we show different versions of a connectogram plot that shows the 54 nodes where we found significant differences between patients and controls. In the first image, we see all structuraal connections between these 54 nodes, with color indicating weight difference between patients and controls:
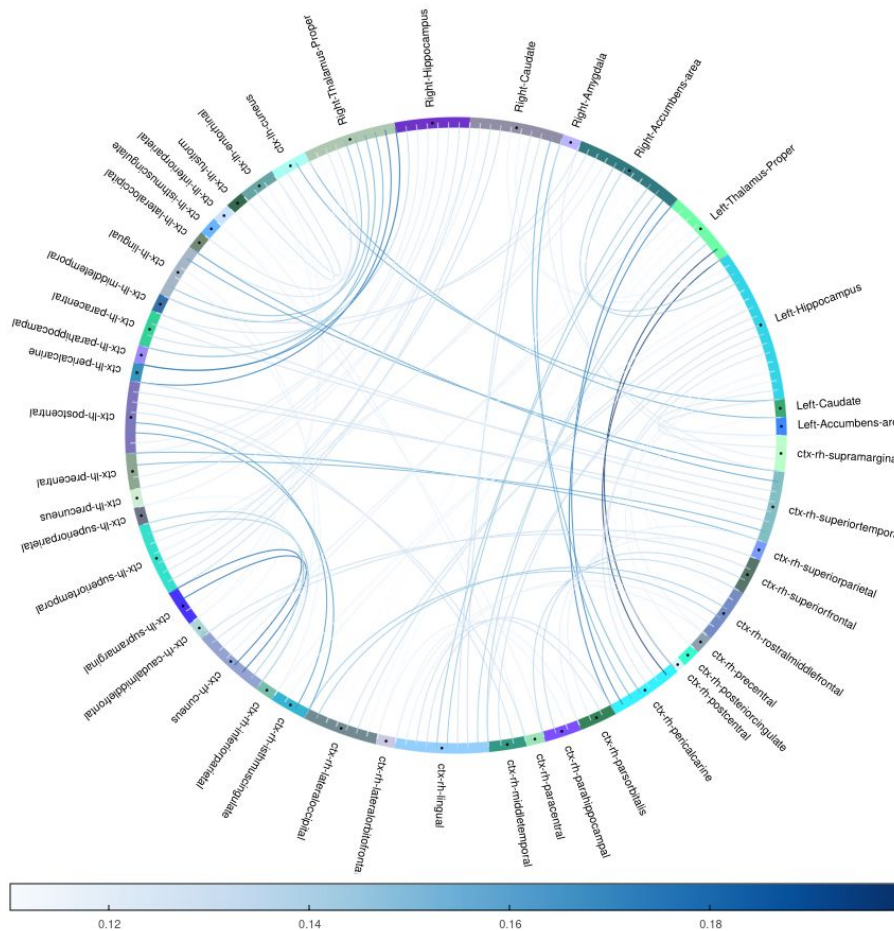

This is a rather clutered graph, but we find it maybe interesting to once visualize the complexity of the network. In order to propose more informative images, we can, for instance, highlitght the nodes with the biggest differences in FA-weight between patients and controls. When we do that, we can see that the left and right pericalcarine areas show strong difference in cross-hemisphere connectivity with the thalamus, amygdala, hippocampus and nucleus accumbens:

A reverse, but somewhat complementary approach, is to show the areas that right and left thalamus connect with most differently between patients and controls:

And of course, one option is to simply use a threshold value to make more visible the difference in connections:

Finally, we show here an image from 3 different angles of difference between patients and controls, this time not of FA weights, but of graph strenght magnitude: