

Optic Radiation Tractography Anatomical Results

The figure consists of two side-by-side box plots. The left plot, titled 'ROI Area', shows the distribution of ROI area for two groups: Normal Vision (n=20) and Abnormal Vision (n=14). The y-axis ranges from 0 to 500. The Normal Vision group has a median ROI area of approximately 200, while the Abnormal Vision group has a significantly lower median of approximately 100. The right plot, titled 'OR Volume', shows the distribution of OR volume for the same two groups. The y-axis ranges from 0 to 100,000. The Normal Vision group has a median OR volume of approximately 55,000, while the Abnormal Vision group has a significantly lower median of approximately 45,000. Both plots indicate a statistically significant difference between the groups with p-values of 0.001 for ROI Area and 0.003 for OR Volume.

Group	n	ROI Area (Median)	OR Volume (Median)
Normal Vision	20	~200	~55,000
Abnormal Vision	14	~100	~45,000

Analysis of OR tractography demonstrated OR atrophy in the abnormal vision group