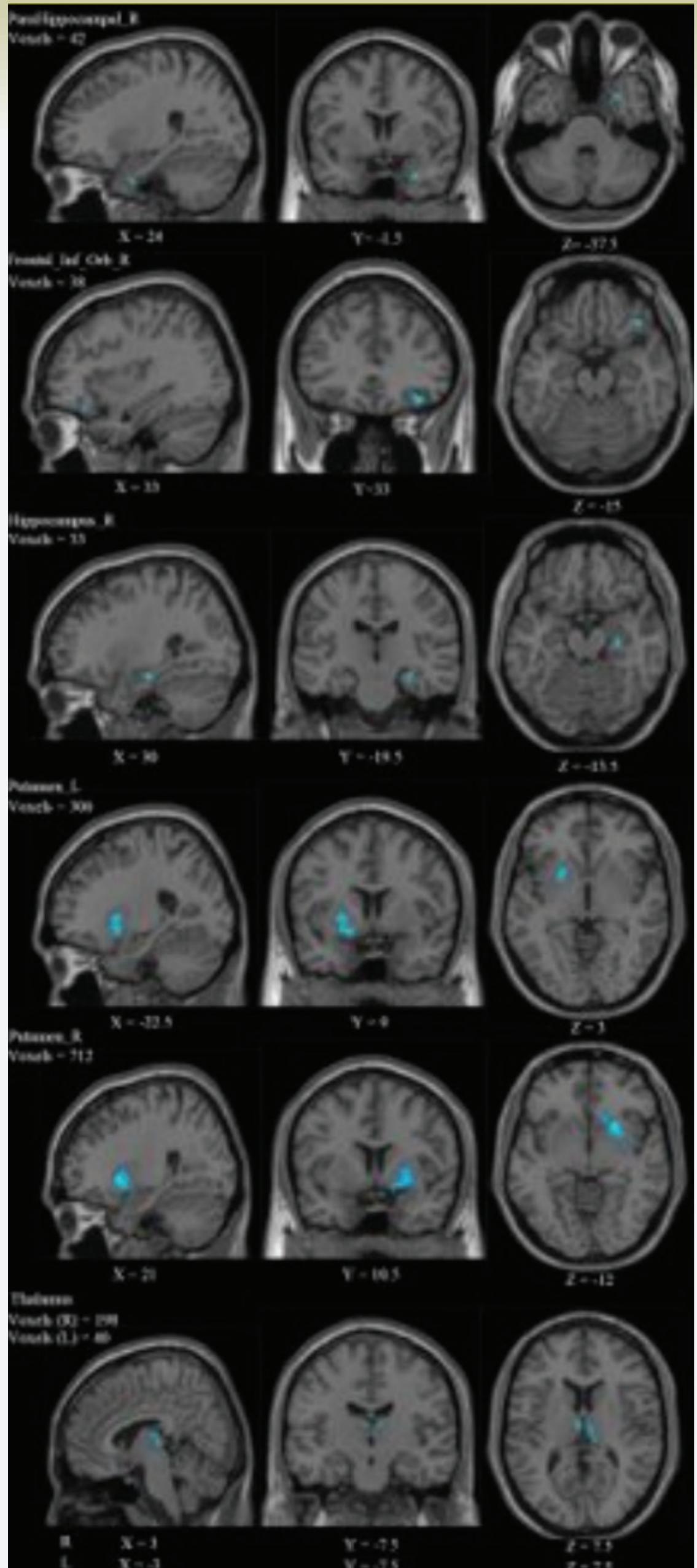
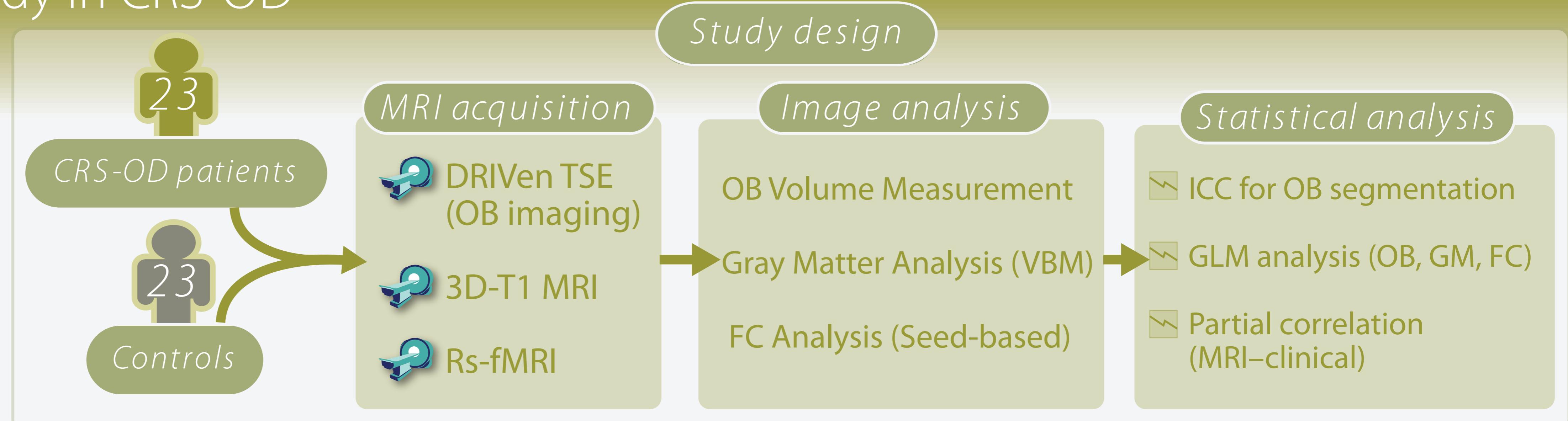


Decoding the neural basis of olfactory dysfunction

A multimodal MRI study in CRS-OD



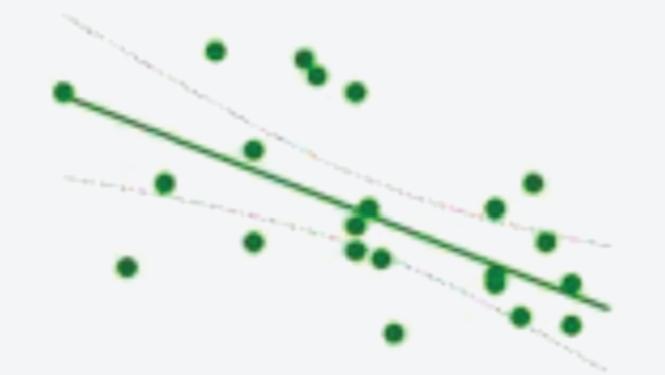
Brain regions with significantly reduced volume in CRS-OD patients vs. controls



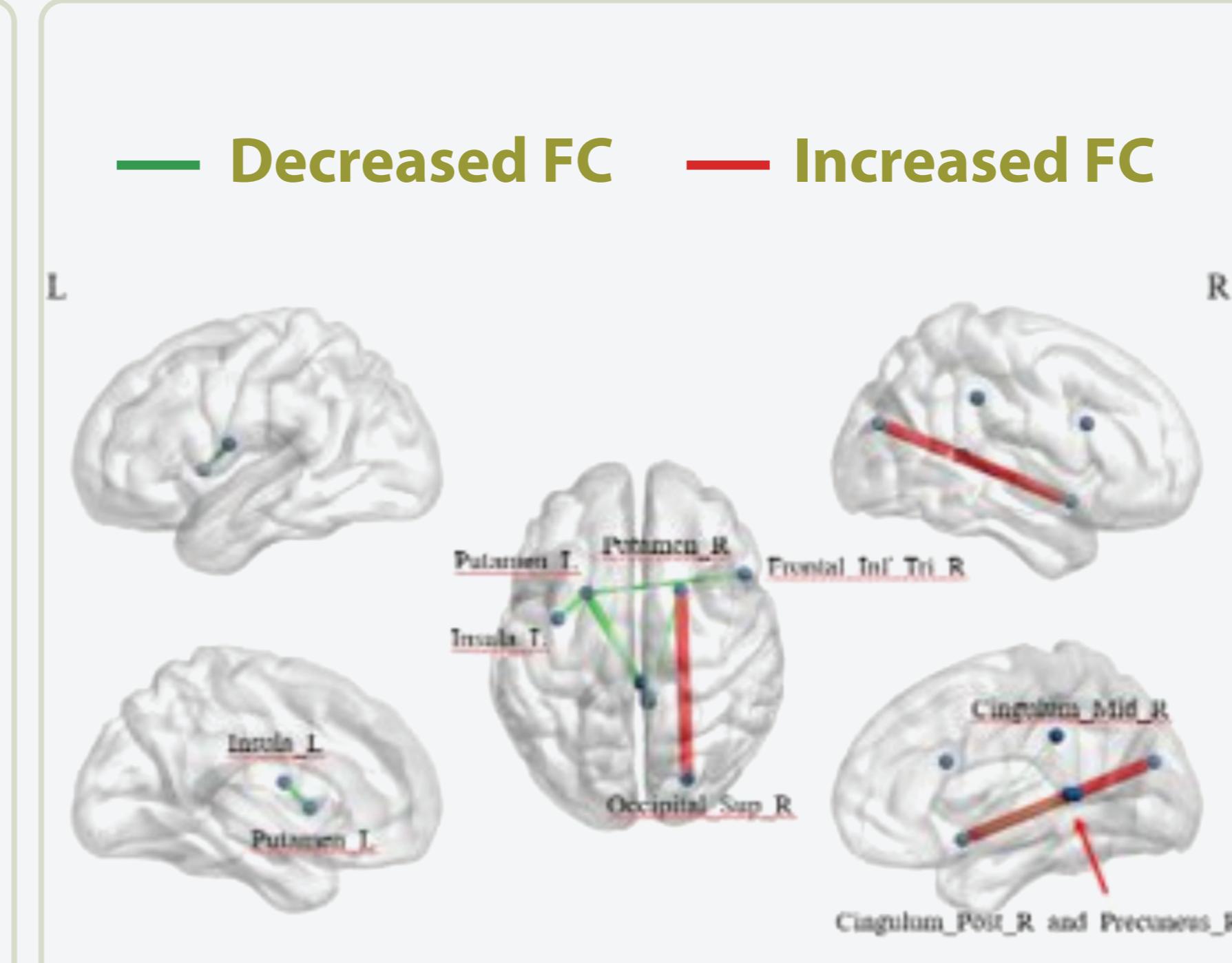
Significant negative correlation:



Right putamen volume and OCES scores



Right hippocampal volume and QOD scores



Bilateral putamen exhibited significant connections with multiple brain regions

→ CRS-OD is characterized by OB atrophy, gray matter loss, and altered FC, reflecting both peripheral and central neural alterations

→ Multimodal MRI may provide new insights into CRS-OD pathophysiology, warranting further longitudinal studies