

INTRODUCTION

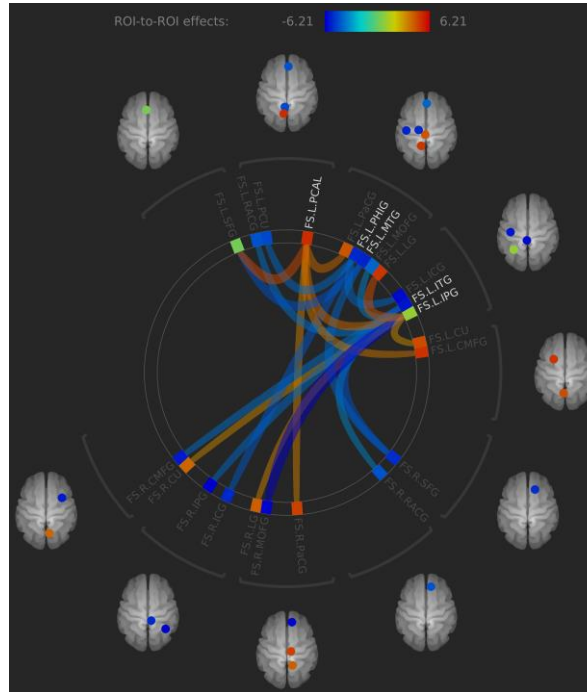
COVID-19: Headache is among the most frequent neurological symptoms, including long-term effects

Objective: Evaluate the resting-state functional properties of patients with persistent headache after COVID-19

METHODS

Sample: 10 patients (54.0 years; 42-65 years; 9 women) + **10 controls (HC)**; 52.0 years; 42-64 years; 9 women)

Resting-state **functional connectivity** between 84 cortical and subcortical gray matter regions



CONCLUSIONS

COVID-19 headache (connectivity):

- Strengthened → Occipital ROIs
- Weakened → Frontal, temporal and parietal ROIs

RESULTS

- COVID-19 > HC → Occipital - Cingulate/Frontal/Parietal ROI
- COVID-19 < HC → Cingulate - Temporal - Parietal - Frontal - Parahippocampal ROIs
- Main seeds: Inferior parietal + Middle/Inferior temporal + Parahippocampal + Pericalcarine