

# 260 - WHITE MATTER MICROSTRUCTURAL ALTERATIONS IN PATIENTS WITH PERSISTENT HEADACHE AFTER COVID-19 INFECTION: AN EXPLORATORY STUDY

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## INTRODUCTION

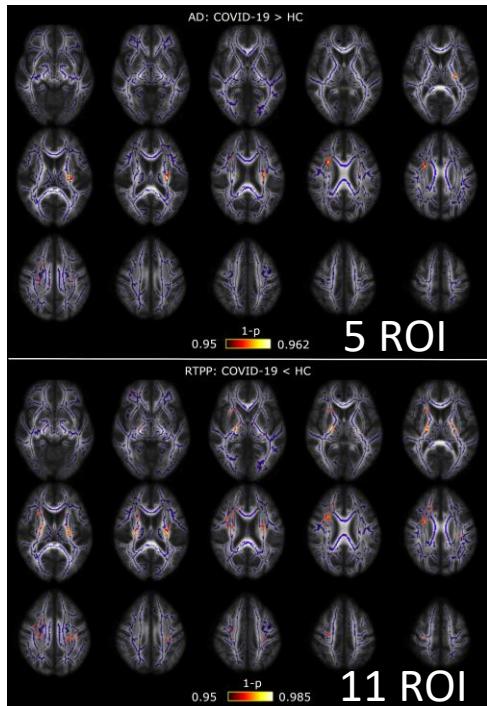
**COVID-19: Headache** is among the most frequent neurological symptoms, including long-term effects [1]

**Objective:** Evaluate the white matter structural properties of patients with persistent headache after COVID-19

## METHODS

**Sample:** 10 patients (54.0 years; 42-65 years; 9 women) + 10 controls (HC; 54.5 years; 42-64 years; 9 women)

Diffusion MRI measures: DTI (FA, MD, RD, AD) + AMURA [2] (RTOP, RTAP, RTPP) (see bottom-right) → Comparison via TBSS



## CONCLUSIONS

**COVID-19 headache:** possible association with **axonal alterations** (barriers in axial orientation)

## REFERENCES

- [1] Logue JK, et al., *JAMA Netw Open* (2021)
- [2] Aja-Fernández et al., *PLoS ONE* (2020)

