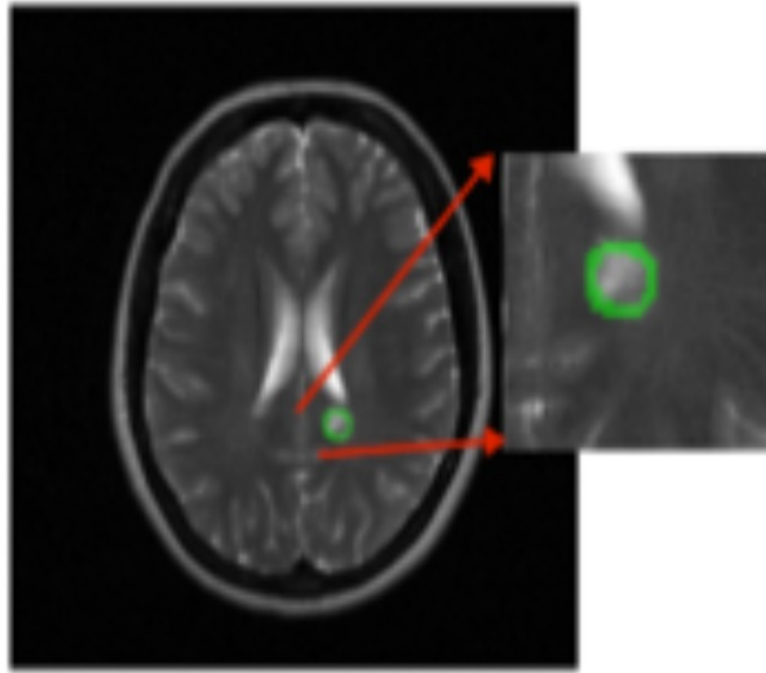
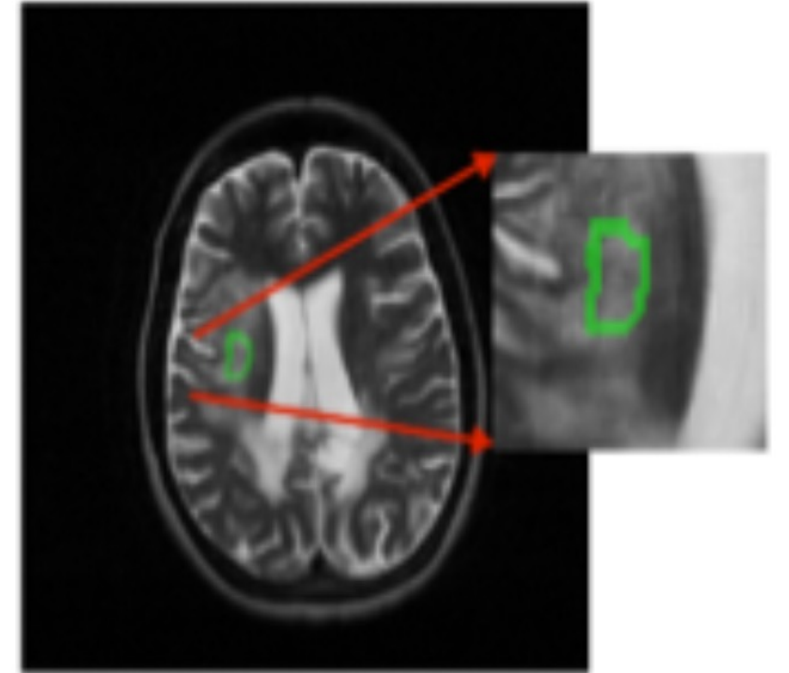


Normal



Isquemica



Desmielinizante

Classificação de WML baseado em etiologia

Leticia Rittner

Junho 2022

White matter lesions (WML)

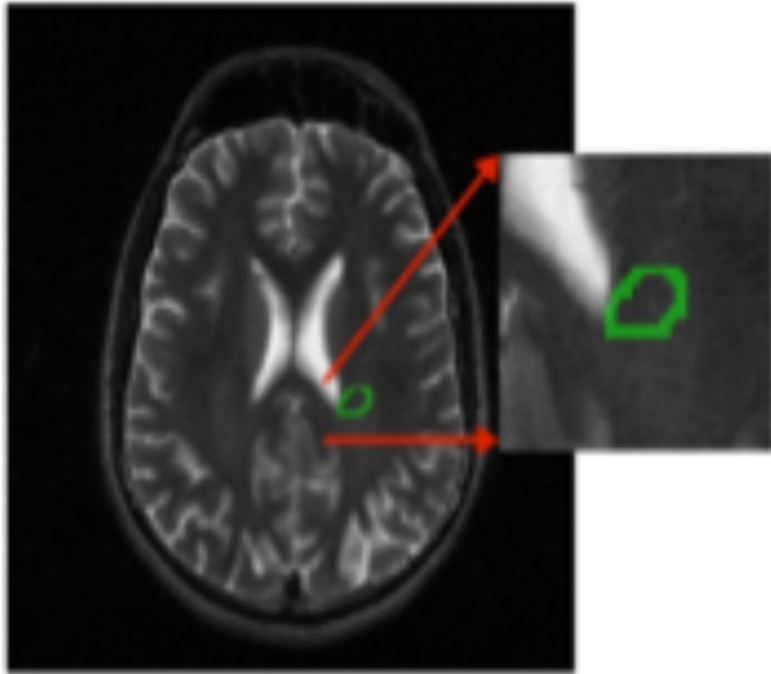
Lesions in the brain white matter can cause significant functional deficit

WMLs are frequently observed in neurological/psychiatric patients

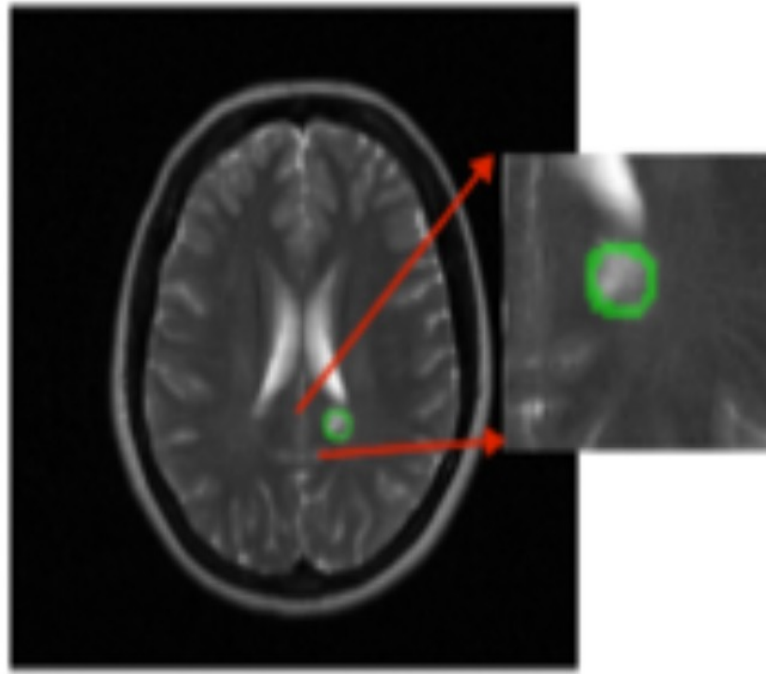
Etiology: ischemic/demyelinating

Presentation: bright in T2w and FLAIR (White matter hyperintensities)

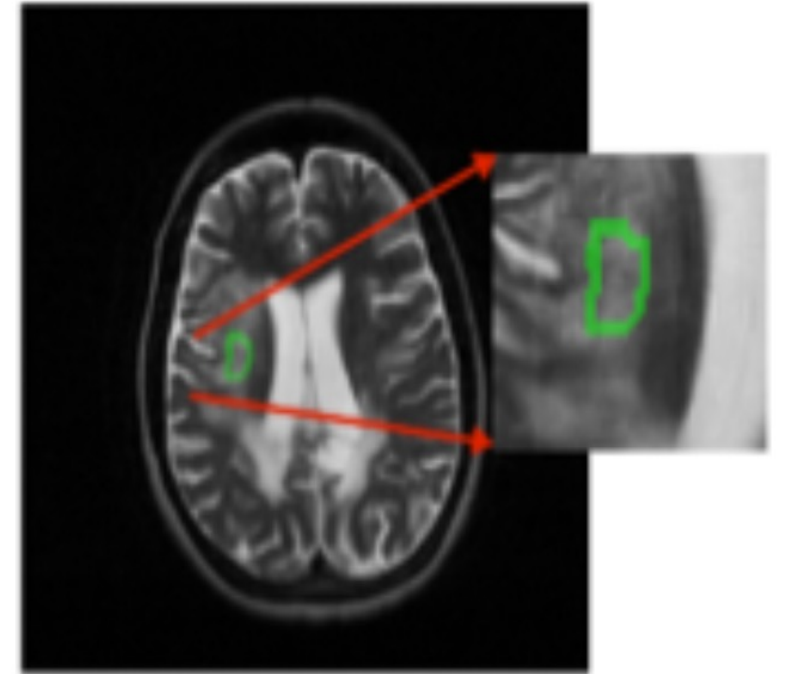
White matter lesions (WML)



Normal

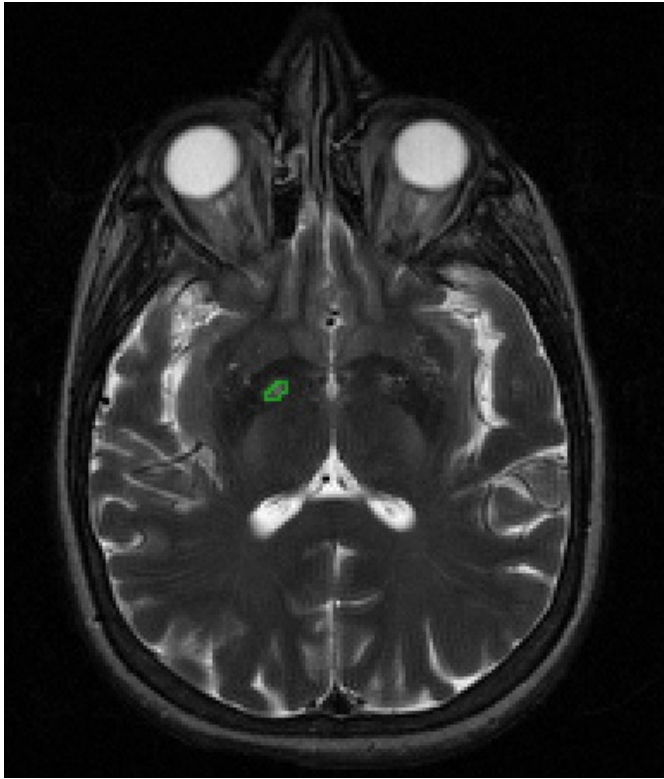


Isquemica

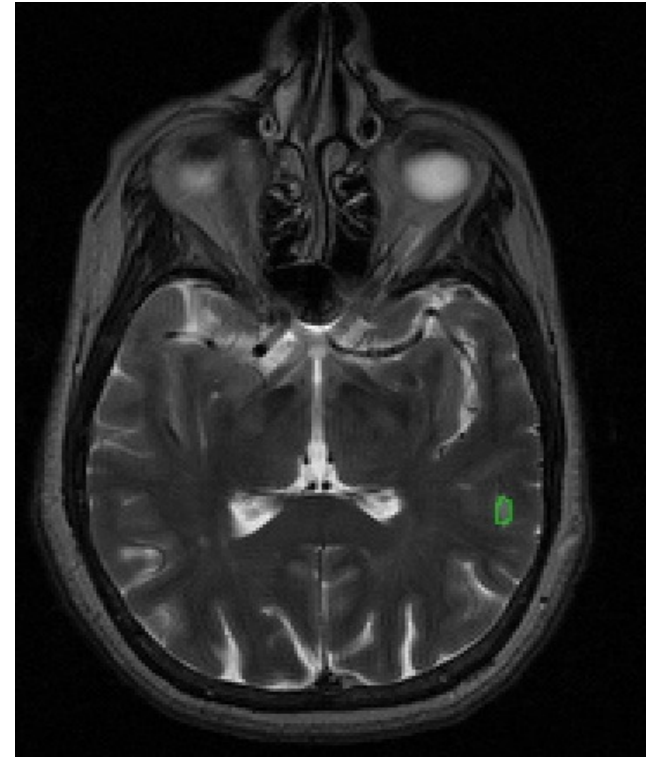


Desmielinizante

SLE (Systemic Lupus Erythematosus) etiology is still unknown



Periventricular



Subcortical

SLE (Systemic Lupus Erythematosus) etiology is still unknown

Current work aims to locate and/or segment WML with a specific etiology, but there are no studies that analyzed/ compared WML of different etiologies:

- Lesion etiology is important for adequate treatment
- A method that distinguishes demyelinating from ischemic lesions may be used to characterize lesions with unknown etiology

Lupus WMLs are more similar to demyelinating or ischemic WML?