# White matter lesion

Mild Traumatic brain injury (mTBI) is a signature wound in military personnel, and repetitive mTBI has been linked to age-related neurodegenerative diseases that affect white matter (WM) in the brain [1].

Periventricular white matter lesion

see Leukoencephalopathy.

## ARWMC Rating Scale for MRI and CT

### White matter lesions

0 No lesions (including symmetrical, well-defined caps or bands)

1 Focal lesions

2 Beginning confluence of lesions

3 Diffuse involvement of the entire region, with or without involvement of U fibers

## Basal ganglia lesions

0 No lesions

1 1 focal lesion (≥5 mm)

2 >1 focal lesion

3 Confluent lesions

1)
Bouchard HC, Sun D, Dennis EL, Newsome MR, Disner SG, Elman J, Silva A, Velez C, Irimia A, Davenport ND, Sponheim SR, Franz CE, Kremen WS, Coleman MJ, Williams MW, Geuze E, Koerte IK, Shenton ME, Adamson MM, Coimbra R, Grant G, Shutter L, George MS, Zafonte RD, McAllister TW, Stein MB, Thompson PM, Wilde EA, Tate DF, Sotiras A, Morey RA. Age-dependent white matter disruptions after military traumatic brain injury: Multivariate analysis results from ENIGMA brain injury. Hum Brain Mapp. 2022 Mar 15. doi: 10.1002/hbm.25811. Epub ahead of print. PMID: 35289463.