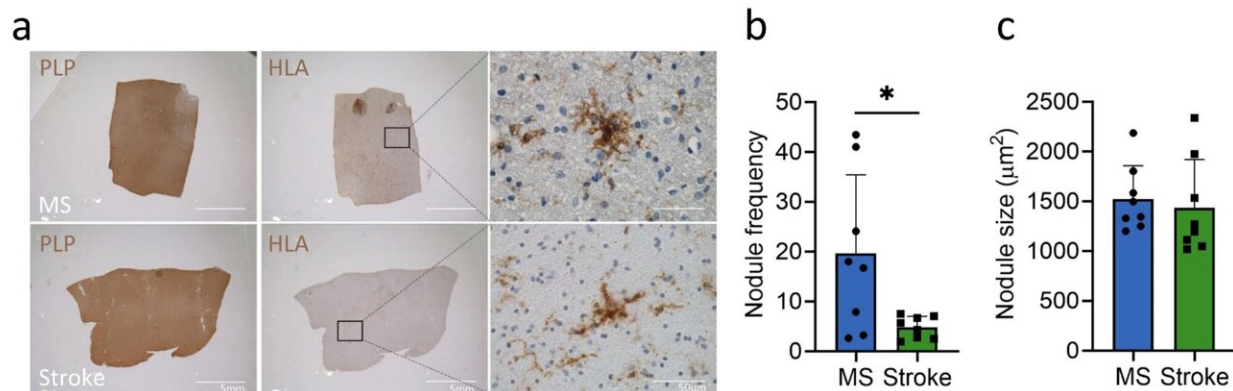


Normal-appearing tissue offers insights into lesion formation in multiple sclerosis

February 26 2024



Microglia nodules in MS are more frequent than in stroke but are similar in size. IHC stainings with HLA and PLP shown in brown. Quantifications performed on $n = 8$ MS and $n = 8$ stroke donors. **a** PLP and HLA staining of (NA)WM matter in MS and in stroke shows no sign of demyelination and clustering of HLA-DR⁺ cells into nodules. **b** In MS, 197 nodules were counted in total and in stroke 60 nodules were counted in total. Microglia nodule frequency was calculated per donor as number of microglia nodules per 100 mm². The nodule frequency was higher in MS compared to stroke ($p = 0.03$). **c** In MS, 197 nodules were measured in total, and in stroke, 46 nodules were counted in total. Microglia nodule size as measured in µm² was similar in MS and stroke. Bar plots show mean \pm standard deviation. Significance was tested with a two-sided Student's t test, p value

Citation: Normal-appearing tissue offers insights into lesion formation in multiple sclerosis (2024, February 26) retrieved 11 May 2024 from <https://medicalxpress.com/news/2024-02-tissue-insights-lesion-formation-multiple.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.