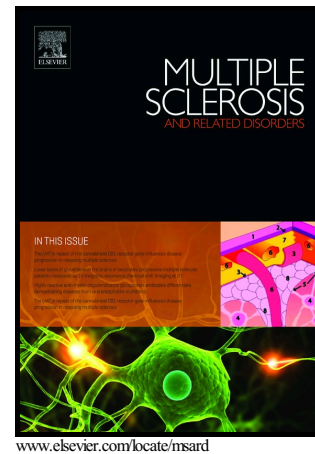


Author's Accepted Manuscript

Lesion accumulation is predictive of long-term cognitive decline in multiple sclerosis

Russell Ouellette, Åsa Bergendal, Sara Shams, Juha Martola, Caterina Mainero, Maria Kristoffersen Wiberg, Sten Fredrikson, Tobias Granberg



PII: S2211-0348(18)30090-7
DOI: <https://doi.org/10.1016/j.msard.2018.03.002>
Reference: MSARD797

To appear in: *Multiple Sclerosis and Related Disorders*

Received date: 2 October 2017
Revised date: 14 February 2018
Accepted date: 1 March 2018

Cite this article as: Russell Ouellette, Åsa Bergendal, Sara Shams, Juha Martola, Caterina Mainero, Maria Kristoffersen Wiberg, Sten Fredrikson and Tobias Granberg, Lesion accumulation is predictive of long-term cognitive decline in multiple sclerosis, *Multiple Sclerosis and Related Disorders*, <https://doi.org/10.1016/j.msard.2018.03.002>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Lesion accumulation is predictive of long-term cognitive decline in multiple sclerosis

Russell Ouellette, BSc^{1,2}; Åsa Bergendal, PhD^{3,4}; Sara Shams, MD, PhD^{3,5}; Juha Martola, MD, PhD^{3,5}; Caterina Mainero, MD, PhD^{2,6}; Maria Kristoffersen Wiberg, MD, PhD^{3,5}; Sten Fredrikson, MD, PhD^{1,7}; Tobias Granberg, MD, PhD^{2,3,5,6*}

¹Karolinska Institutet, Department of Clinical Neuroscience, Stockholm, Sweden

²Athinoula A. Martinos Center for Biomedical Imaging, Department of Radiology, Massachusetts General Hospital, Charlestown, MA, USA

³Karolinska Institutet, Department of Clinical Science, Intervention and Technology, Division of Medical Imaging and Technology, Stockholm, Sweden

⁴Karolinska University Hospital, Department of Medical Psychology, Stockholm, Sweden

⁵Karolinska University Hospital, Department of Radiology, Stockholm, Sweden

⁶Harvard Medical School, Boston, MA, USA

⁷Karolinska University Hospital, Department of Neurology, Stockholm, Sweden

Title character count: 87

Word count abstract: 234

Word count paper: 2913

Number of references: 40

Number of tables: 1

Number of figures: 3

Supplemental Data: 4 e-tables, 4 e-figures

Search Terms: [41] Multiple sclerosis, [205] Neuropsychological assessment, [120] MRI, [38] Assessment of cognitive disorders

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات