

# Accepted Manuscript

Vaccines and the association with relapses in patients with neuromyelitis optica spectrum disorder

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PII: S2211-0348(18)30143-3  
DOI: [10.1016/j.msard.2018.05.003](https://doi.org/10.1016/j.msard.2018.05.003)  
Reference: MSARD 841

To appear in: *Multiple Sclerosis and Related Disorders*

Received date: 17 January 2018  
Revised date: 2 May 2018  
Accepted date: 4 May 2018

Please cite this article as: Maureen A. Mealy PhD(c) , Lawrence J. Cook PhD , Florence Pache MD , Diego L. Velez MD , Nadja Borisow MD , Daniel Becker MD , Jorge A. Jimenez Arango MD , Friedemann Paul MD , Michael Levy MD , Vaccines and the association with relapses in patients with neuromyelitis optica spectrum disorder, *Multiple Sclerosis and Related Disorders* (2018), doi: [10.1016/j.msard.2018.05.003](https://doi.org/10.1016/j.msard.2018.05.003)



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**Highlights:**

- In this international collaboration, we retrospectively investigated the rate of a relapse occurring within 30, 60, and 90 days of a vaccination and compared it with the rate of a relapse occurring within randomly selected dates.
- Vaccines were associated with relapses in patients with neuromyelitis optica spectrum disorder who are not on preventive immunotherapy.
- The increased likelihood of vaccine-associated relapses was not present among patients in this patient cohort using preventive immunotherapy.
- We recommend vaccination for NMO patients after initiation of preventive immunotherapy to reduce the risk of vaccine-associated relapse.

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