

CURRENT STANDARDS IN POSTVIRAL DISEASES OF THE AUTONOMIC NERVOUS SYSTEM

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Conflict of interest

- Third-party funding, fees, royalties
 - Karl Landsteiner University of Health Sciences, Austrian Alzheimer's Association
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Learning objective

- Basic introductions Post-viral syndromes
- Definitions
- Pathogenetic hypotheses
- Clinical approach
- Autonomic postinfections syndromes including POTS
- Current management recommendations
- Current fields of development in postinfectious diseases

Key messages

- Neurological complications represent an important aspect in the spectrums of postinfectious syndromes involved.
- Postviral conditions are often of chronic nature.
- Management - as in other chronic conditions - should rely on the conventional diagnostic measures and management of lead symptoms.

Literature

ASTIN, Rónan, et al. Long COVID: mechanisms, risk factors and recovery. *Experimental physiology*, 2023, 108. Jg., Nr. 1, S. 12-27.

BROWN, Rachel L., et al. Pathophysiology, diagnosis, and management of neuroinflammation in covid-19. *Bmj*, 2023, 382. Jg.

FANCIULLI, Alessandra, et al. EFAS/EAN survey on the influence of the COVID-19 pandemic on European clinical autonomic education and research. *Clinical Autonomic Research*, 2023, 33. Jg., Nr. 6, S. 777-790.

GREENHALGH, Trisha, et al. Long COVID: a clinical update. *The Lancet*, 2024, 404. Jg., Nr. 10453, S. 707-724.

LEONE, Maurizio Angelo, et al. Outcome predictors of post-COVID conditions in the European Academy of Neurology COVID-19 registry. *Journal of neurology*, 2024, 271. Jg., Nr. 6, S. 3153-3168.

LUNDBERG-MORRIS, Lisa, et al. Covid-19 vaccine effectiveness against post-covid-19 condition among 589 722 individuals in Sweden: population based cohort study. *Bmj*, 2023, 383. Jg.

STRUHAL, Walter; ALMAMOORI, Doaa. A review of the sequelae of post Covid-19 with neurological implications (post-viral syndrome). *Journal of the Neurological Sciences*, 2025, S. 123532.