

ME Sygdomsmekanisme

Review artikler

Unexplained post-acute infection syndromes.

Choutka, J., Jansari, V., Hornig, M. *et al. Nat Med* 28, 911–923 (2022). <https://doi.org/10.1038/s41591-022-01810-6>

Insights from myalgic encephalomyelitis/chronic fatigue syndrome may help unravel the pathogenesis of postacute COVID-19 syndrome

Anthony L. Komaroff, W. Ian Lipkin, *Trends in Molecular Medicine*, September 2021, Vol. 27, No. 9, DOI: <https://doi.org/10.1016/j.molmed.2021.06.002>

Myalgic Encephalomyelitis/Chronic Fatigue Syndrome – Evidence for an autoimmune disease. Franziska Sotznya *et al. Autoimmunity Reviews* volume 17, Issue 6, June 2018, pages 601-609 <https://doi.org/10.1016/j.autrev.2018.01.009>

Evidence of altered cardiac autonomic regulation in myalgic encephalomyelitis/chronic fatigue syndrome: A systematic review and meta-analysis.

Nelson, Maximillian J. PhD^{a,*}; Bahl, Jasvir S. BAppSci^a; Buckley, Jonathan D. PhD^a; Thomson, Rebecca L. PhD^{a,b}; Davison, Kade PhD^a. *Medicine* 98(43):p e17600, October 2019. | DOI: 10.1097/MD.00000000000017600 https://journals.lww.com/md-journal/fulltext/2019/10250/evidence_of_altered_cardiac_autonomic_regulation.36.aspx

Chronotropic Intolerance: An Overlooked Determinant of Symptoms and Activity Limitation in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome? Todd E. Davenport *et al. Front. Pediatr.*, 22 March 2019 V.7, page 1-14 (review article)

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Biomarkers for myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS): a systematic review. Maksoud, R., Magawa, C., Eaton-Fitch, N. *et al. BMC Med* 21, 189 (2023). <https://doi.org/10.1186/s12916-023-02893-9>

Hypothesis/viewpoint

Advances in Understanding the Pathophysiology of Chronic Fatigue Syndrome. Komaroff AL. *JAMA*. 2019;322(6):499–500.

doi:10.1001/jama.2019.8312

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2021, 131, e150377. <https://doi.org/10.1172/JCI150377>

The Pathobiology of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome: The Case for Neuroglial Failure. Renz-Polster H, Tremblay M-E, Bienzle D and Fischer JE (2022) Front. Cell. Neurosci. 16:888232. doi: 10.3389/fncel.2022.888232
<https://www.frontiersin.org/articles/10.3389/fncel.2022.888232/full>

Is chronic fatigue syndrome all in your brain?

An NIH study expands on a body of research locating objective markers of ME/CFS in the brain, the immunesystem, the gut, and beyond.

February 28, 2024. By Anthony L. Komaroff, MD, Editor in Chief, Harvard Health Letter
<https://www.health.harvard.edu/blog/is-chronic-fatigue-syndrome-all-in-your-brain-202402283020>

NIH Study Provides Long-Awaited Insight Into Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. Eastman Q. JAMA. 2024;331(14):1169–1171. doi:10.1001/jama.2024.3603
<https://jamanetwork.com/journals/jama/article-abstract/2816614>

Biomedicinske fund (få udvalgte)

WASF3 disrupts mitochondrial respiration and may mediate exercise intolerance in myalgicencephalomyelitis/chronic fatigue syndrome
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<https://www.pnas.org/doi/10.1073/pnas.2302738120>

Circulating microRNA expression signatures accurately discriminate myalgic encephalomyelitis from fibromyalgiaand comorbid conditions.
Evguenia Nepotchatykh, Iurie Caraus, Wesam Elremaly, Corinne Leveau Mohamed Elbakry , Christian Godbout , Bitá Rostami-Afshari, Diana Petre , Nasrin Khatami, Anita Franco, Alain Moreau. Sci Rep, 2023 Feb 2;13(1):1896.doi: 10.1038/s41598-023-28955-9
<https://www.nature.com/articles/s41598-023-28955-9>

Substrate utilisation of cultured skeletal muscle cells in patients with CFS.
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SWATH-MS analysis of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome peripheral blood mononuclear cellproteomes reveals mitochondrial dysfunction.
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Changes in DNA methylation profiles of myalgic encephalomyelitis/chronic fatigue syndrome patients reflect systemic dysfunctions.

A. M. Helliwell, E.C. Sweetman, P. A. Stockwell, C.D. Edgar, A. Chatterjee, & W.P. Tate. *Clinical Epigenetics* volume 12, Article number: 167 (2020)

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Cheng Guo, Xiaoyu Che, Thomas Briese, Amit Ranjan, Orchid Allicock, Rachel A. Yates, Aaron Cheng, Dana March, Mady Hornig, Anthony L. Komaroff, Susan Levine, Lucinda Bateman, Suzanne D. Vernon, Nancy G. Klimas, Jose G. Montoya, Daniel L. Peterson, W. Ian Lipkin, and Brent L. Williams. *Cell Host & Microbe* 31, 288–304, February 8, 2023

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Antibodies to β adrenergic and muscarinic cholinergic receptors in patients with Chronic Fatigue Syndrome. Madlen Loebel *et al. Brain, Behavior, and Immunity* Volume 52

Deep phenotyping of post-infectious myalgic encephalomyelitis/chronic fatigue syndrome. Walitt, B., Singh, K., LaMunio, S.R. *et al. Nat Commun* **15**, 907 (2024). <https://doi.org/10.1038/s41467-024-45107-3>