

Multiple Sklerose (MS) und Neuroborreliose Multiple sclerosis and neuroborreliosis

Viruserarten, viruses

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→ Virus triggers <http://www.erlebnishaft.de/virus triggers.pdf>

→ Anderson SM, Klinken SP, Hankins WD. (1985) A murine recombinant retrovirus (MSRV) containing the src oncogene transforms erythroid precursor cells in vitro. Mol Cell Biol. 5(12), 3369-3375. <http://www.ncbi.nlm.nih.gov/pubmed/3939314>

→ MSRV http://ac.els-cdn.com/S0042682299997921/1-s2.0-S0042682299997921-main.pdf?_tid=1a58bdc4-4f9a-11e3-99d6-00000aacb361&acdnat=1384701083_7c037e9ebe7e39bd42b0ab26be8610a1

→ MSRV http://hal.inria.fr/docs/00/06/66/67/PDF/Rolland_et_al_Journal_of_Immunology_In_Press.pdf

Bakterien, bacteria

Spirochaeten im extra Kästchen unten,
spirocheta see below, extra box.

Rostasy K, Reiber H, Pohl D et al. (2003), Cossu D, Masala S, Cocco E et al. (2012)

→ Mycobacteria http://www.kabilahsystems.de/atypical_mycobacteria.pdf

http://www.ncbi.nlm.nih.gov/pubmed?LinkName=pubmed_pubmed&from_uid=23439580

→ Chlamydien, Chlamydophila http://www.kabilahsystems.de/chlamydia_pneumoniae.pdf

Protozoen, protozoa

Kissler H. (2001)

Apicomplexa <http://www.kabilahsystems.de/toxoplasmen.pdf>

Mikrofilarien, Nematoden, Microfilaria, nematodes

Innes JR, Shoho C (1952, 1953), Fleming JO, Cook TD (2006), Correale J, Farez M (2007), Correale J, Farez M, Razzitte G (2008, 2009), Correale J, Farez M, Razzitte G (2008), Correale J, Farez M (2009), MacDonald A (2016)

→ Eosinophilie <http://www.xerlebnishaft.de/eosinophilie.pdf>

→ Mikrofilarien <http://www.xerlebnishaft.de/mikrofilarien.pdf>

Spirochaeten, spirochaeta

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Bullock WE (now Gye) (1913) MS agent in Rabbits Lancet 1185

Steiner G (1917) Spirochetes The Cause of MS. Med Klin

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Ichelson R (1957) Cultivation of Spirochetes from Spinal Fluids of MS Cases with Negative Controls. Procl. Soc. Exp. Biol Med 70:411
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Kurtz SK (1986) Relapsing fever/Lyme disease - Multiple sclerosis. Medical Hypotheses, volume 21, issue 3, pages 335-343
Marshall V (1988) Multiple sclerosis is a chronic central nervous system infection by a spirochetal agent. Med Hypotheses (1988 Feb) 25(2):89-92
Liegner (1990, 1992) Lyme encephalomyelitis and MS
Smielewska-Badora J (2000) Lyme borreliosis and Multiple sclerosis: Any Connection? A Seroepidemic study.
Fritzsche M (2004) Chronic Lyme borreliosis at the root of Multiple sclerosis - is a cure with antibiotics attainable?
... 2005 – 2017 see the listed literature below

Quelle: <http://owndoc.com/lyme/multiple-sclerosis-is-lyme-disease-anatomy-of-a-cover-up/>

Genetisches Risiko, genetic risc

[Sawcer S](#), [Helleenthal G](#), [Pirinen M](#) et al. (2011) Genetic risk and a primary role for cell-mediated immune mechanisms in multiple sclerosis. *Nature*. 2011 Aug 10; 476(7359): 214–219. doi: [10.1038/nature10251](https://doi.org/10.1038/nature10251) PMID: 21876028 EMSID: UKMS36028
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3182531/>

Risiken bei der Therapie mit Immunsuppressiva, Risks in therapy with immunosuppressants

Havla J, Warnke C, Derfuss T et al (2016) ÜBERSICHTSARBEIT. Interdisziplinäres Risikomanagement in der Therapie der multiplen Sklerose.
<http://www.aerzteblatt.de/pdf/113/51/m879.pdf?ts=15.12.2016+13%3A42%3A47>

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<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2021051/>

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« **We conclude that there was an epidemic of MS on the Faroes and that the disease was probably introduced by the British troops (or their baggage). If so, then MS on the Faroes is a transmissible disease, most likely infectious; but only about 1 in 500 of the exposed individuals were clinically affected.** »

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« **The diagnosis of MS and NB are difficult because of remarkably similar clinical and neuroimaging features. The infectious etiology of MS remains probable and in patients diagnosed with possible MS it is reasonable to evaluate *B. burgdorferi* infection in order to ensure etiologic treatment.** »

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“Thus, the data indicate that the two main links between EBV and MS (IM and high anti-EBNA-1-IgG titers) are paralleled by activation of the potentially neuropathogenic HERV-W/MSRV. These novel findings suggest HERV-W/MSRV activation as the missing link between EBV and MS, and may open new avenues of intervention.”

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Unsere Daten deuten darauf hin, dass das intrathekale Milieu eine **Keimzentrums-ähnliche** Reaktion enthält mit klonaler Expansion und umfangreicher Hypermutation in IgM-produzierenden B-Zellen“.

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https://de.wikipedia.org/wiki/Liste_von_Multiple-Sklerose-Wirkstoffen_in_der_Erprobung
https://en.wikipedia.org/wiki/Multiple_sclerosis_research

Immunstimulantien, immune restauration, immune stimulation
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Behandle physikalisch-medizinisch und bei vitaler Indikation zusätzlich mit Antibiotika, dann aber gezielt (möglichst kausal), hart und so frühzeitig wie möglich. Treat physically, probiotic and in case of vital indication additionally with antibiotics, but then targeted (if possible causally), hard and as early as possible.

→ **Therapie – Empfehlungen bei chronischen Multiinfektionskrankheiten**
Treatment recommendations in chronic multi infectious diseases

→ Therapievariante 2 http://www.kabilahsystems.de/therap_02_virus.pdf

→ Therapievariante 8 http://www.kabilahsystems.de/therap_08_protozoen_oder_hefen.pdf

→ Therapievariante 9 http://www.kabilahsystems.de/therap_09_bei_mikrofilariose.pdf

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