

Alzheimer, Demenz, Parkinson, Hirnatrophie durch Spirochaeten und andere Erreger von Infektionskrankheiten
Alzheimer's disease, dementia, Parkinson's disease, brain atrophy caused by spirochetes and other pathogens of infectious diseases

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[Miklossy J.](http://www.ncbi.nlm.nih.gov/pubmed/23346260) (2012) **Chronic or late lyme neuroborreliosis**: analysis of evidence compared to chronic or late **neurosyphilis**. *Open Neurol J.* 6, 146-57
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[doi:10.1038/nrn2620](https://doi.org/10.1038/nrn2620)

Jucker M (2015) **Alzheimer und Gen-Mutation**
<https://www.youtube.com/watch?v=bVqh5XD5A7k>

Jucker M (2017) **Fokus Demenz**. <https://www.youtube.com/watch?v=pm2YMa92gJw>

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Boxmeyer L. (2017) **Are the Infectious Roots of Alzheimer's Buried Deep in the Past ?** *J Mol Path Epidemiol.* 3, 2 www.rense.com/general96/ALZHEIMERS.pdf

Basis: Genug Schlaf, Bewegung, soziale Interaktion, gesunde Ernährung, menschliche Wärme
Based are: enough sleep, plenty of exercise, social interaction, healthy diet, human warmth

[Reitz Chr, Tang M-X, Schupf N et al.](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3068839/) (2010) **A Summary Risk Score for the Prediction of Alzheimer Disease in Elderly Persons**. *Arch Neurol.* 67(7), 835-841. doi:10.1001/archneurol.2010.136.
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"Risk factors contributing to the risk score were age, sex, education, ethnicity, APOE ε4 genotype, history of diabetes, hypertension or smoking, high-density lipoprotein levels, and waist to hip ratio. The resulting risk score predicted dementia well".

[Bredesen DE](http://www.ncbi.nlm.nih.gov/pubmed/25324467) (2014) **Reversal of cognitive decline: a novel therapeutic program**. *Aging (Albany NY)*. 6(9), 707-17. <http://www.ncbi.nlm.nih.gov/pubmed/25324467> <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4221920/>
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Visual signs and symptoms in patients with the visual variant of Alzheimer disease.
https://www.google.de/search?q=visual+signs+and+symptoms+in+patients&hl=de&btnG=Google+Search&gws_rd=ssl

(2006) Borrelieninfektion, Therapieversager, Halbwertszeit v. Immunglobulinen und DNA. Borrelia infection, treatment failures, half-life of Immunoglobulins and DNA

<http://www.erlebnishaft.de/dauerheilung.pdf> <http://www.dieterhassler.de/fileadmin/PDF/CTJ806.pdf>

„Die maximale Latenzzeit bis zum Auftreten von Krankheitssymptomen betrug acht Jahre.... Daher kann heute als geklärt gelten, dass die Lyme-Borreliose eine primär chronisch verlaufende Infektionskrankheit ist, bei der es in Analogie zur Syphilis keine Spontanheilung gibt. Die These eines „Durchseuchungstiter“ im Sinne einer durchgemachten, spontan überstandenen Infektion konnte nie belegt werden und sollte heute obsolet sein“.
“The maximum latency to onset of disease symptoms was eight years. The thesis of a "Durchseuchungstiter" in the sense of had taken place spontaneously recovering from infection could never be substantiated and should now be obsolete”.

Diagnostic - Therapy - Booklet on Borrelia and Co - Infections for Clinicians and Practitioners.

Literatur dokumentierte Wirts-Eigenschaften und Infekt - Ursachen bei der Alzheimer Krankheit, Demenz, Parkinson, Hirnatrophie (Prione s.o. zusätzlich)

Literary - documented characteristics of the host and infection causes in Alzheimer's disease, dementia, parkinson´s, brain atrophy (prions see above as well)

Immunosystem

Girolamo F (2017), Bredesen DE (2017)

[Mice lacking functional B and T cells](#): Spáni C (2015)

[Transgenic Mice](#): Jucker M (2015, 2017)

Neuroglia

Soreq L et al. (2017) **Major shifts in glial regional identity are a transcriptional hallmark of human brain aging**. Cell Reports. 18(2), p557–570, DOI: 10.1016/j.celrep.2016.12.011

[http://www.cell.com/cell-reports/abstract/S2211-1247\(16\)31684-9](http://www.cell.com/cell-reports/abstract/S2211-1247(16)31684-9)

[http://www.cell.com/cell-reports/pdf/S2211-1247\(16\)31684-9.pdf](http://www.cell.com/cell-reports/pdf/S2211-1247(16)31684-9.pdf)

Viruses

[Virus triggers chronic illnesses and chronic infections, health, and the so called autoimmune diseases](#)

[Immunsuppressive Virusarten, Bakterien und Protozoen](#)

[Virus, Bakterium und Immunsystem](#)

Herpes simplex virus Type 1 (HSV1)

Wisniewsky HM (1978) Saldanha J (1986, 2012) Jamieson GA (1991) Stanley LC (1994) Beffert U (1998) Itzhaki RF (1997, 2008, 2014) Hemling N (2003) Wozniak MA (2007, 2009, 2011) Zambrano A (2008), Letenneur L (2008) De Chiara G (2010) Cheng SB (2011), Lerchundi R (2011) Bearer EL (2013), Carter CJ (2013), Ball MJ (2013) [Lövheim H](#) (2014), [Mancuso R](#) (2014), Martin C0 (2014) Bourgade K (2015, 2016), Civitelli L (2015), Gillet L (2015), Piacentini R (2015), Lövheim H (2 x 2015), [Harris SA](#) (2015)

HIV Virus

Esiri MM (1998) Smith DB (2014)

Bacteria and misfolded proteins

[Borrelien Behandlung mit Antibiotika bei Menschen Lyme disease treatment with antibiotics in humans](#)

Borrelia, oral treponemata

MacDonald AB (1986, 1987, 1988, 4 x 2006, 2007, 2008, 2016), Pappolla MA (1989), Miklossy J (1990, 1993, 1994, 1998, 2004, 3 x 2006, 3 x 2008, 2011, 2012, 2013, 2014, 2015, 2016), Riviere GR (1991), Waniek C (1995) Riviere GR (2002) Green DA (2005) Meer-Scherrer L (2006) Blanc F (2014), Maheshwari P (2014), Blanc F (2014), Allen HB (2016), Zahn (2016), Ide (2016), Bastian (2017)

[Chlamydia, Chlamydoiphila, CPN](#)

Chlamydia pneumoniae

Balin BJ (1998, 2008) Little CS (2004) Boelen E (2007) Maheshwari P, (2014, 2015)

Propriion bacterium acnes

Kornhuber HH (1996)

Helicobacter pylori

Kountouras J (2006)

Mycoses, fungi

Pisa D (2013, 2015, 2017) Alonso R (2 x 2014, 2017), AlzForum (2015)

Air pollution, Nanoparticles

Kirschvink JL (1992) Pankhurst Q (2008) Moulton PV (2012) Teller S (2015) Chau-Ren Jung (2015)

Toxins

Portelius E (2016), Killin LOJ (2016), Mahler B (2016), Mirza A (2017), Klotz (2017)

Leitlinie Demenz, guideline dementia

<http://www.dgn.org/leitlinien/3176-leitlinie-diagnose-und-therapie-von-demenzen-2016>

Kratz T (2017) **Diagnostik und Therapie von Verhaltensstörungen bei Demenz.** Deutsches Ärzteblatt 114(26), 447-454

<https://www.aerzteblatt.de/archiv/191886/Diagnostik-und-Therapie-von-Verhaltensstoerungen-bei-Demenz>

Possibilities for early detection

Coffman B (2017) **Detecting Alzheimer's disease earlier using ... Greebles?** University of Louisville. <http://uoflnews.com/releases/detecting-alzheimers-disease-earlier-using-greebles/>

Mason, E et al. (2017) **Family History of Alzheimer's Disease is Associated with Impaired Perceptual Discrimination of Novel Objects.** *Journal of Alzheimer's Disease*, 57(3), 735-745 DOI: 10.3233/JAD-160772 <http://content.iospress.com/articles/journal-of-alzheimers-disease/jad160772>

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Wisniewsky HM (1978) **Possible viral etiology** of neurofibrillary changes and neuritic plaques. In Alzheimer's Disease: Senile Dementia and Related Disorders (Aging, Vol 7), Katzman R, Terry RD, Bick KL, eds. Raven Press, New York, pp. 555-557.

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« Spirochetes evade host defenses, locate intracellularly, form more resistant atypical forms and notably biofilms, which contribute to sustain chronic infection and inflammation and explain the slowly progressive course of dementia in AD. To consider co-infecting microorganisms is equally important, as multi-species biofilms result in a higher resistance to treatments and a more severe dementia. »

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„Five genera were common to all nine patients: Alternaria, Botrytis, Candida, Cladosporium, and Malassezia. These observations could be used to guide targeted antifungal therapy for AD patients. Moreover, the differences found between the fungal species in each patient may constitute a basis to understand the evolution and severity of clinical symptoms in AD“.

Maheshwari P, Eslick GD (2017) **Bacterial infection increases the risk of Alzheimer’s disease: An evidence-based assessment.** In *Handbook of Infection and Alzheimer’s Disease*, Miklossy J, ed. IOS Press, Amsterdam, in press.

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« Chair:, AE Barron, R Itzhaki, Discussant:... - Innovation in ..., 2017 - academic.oup.com Abstract Alzheimer disease (AD) is one of the most devastating diseases and aging is one of the most important risk factors. For many years huge efforts have been made to better understand the etiopathogenesis of AD. Also, many treatment trials have been performed. At present, we do not know what is the exact cause of AD nor how to treat it but we know that neuroinflammation plays an important role, the latter occurring even some 20 years before ...» [Zitieren](#) [Speichern](#)

[Cascella M](#), [Bimonte S](#), [Muzio MR](#), [Schiavone V](#), [Cuomo A](#) (2017) **The efficacy of Epigallocatechin-3-gallate (green tea) in the treatment of Alzheimer's disease: an overview of pre-clinical studies and translational perspectives in clinical practice.**

[Infect Agent Cancer](#). 12, 36. doi: 10.1186/s13027-017-0145-6. eCollection 2017. <https://www.researchgate.net/publication/317698412> [The efficacy of Epigallocatechin-3-gallate green tea in the treatment of Alzheimer's disease An overview of pre-clinical studies and translational perspectives in clinical practice](https://www.ncbi.nlm.nih.gov/pubmed/28642806) <https://www.ncbi.nlm.nih.gov/pubmed/28642806>

„The purpose of this review is to summarize the in vitro and in vivo pre-clinical studies on the use of EGCG in the prevention and the treatment of AD as well as to offer new insights for translational perspectives into clinical practice.“

https://www.ncbi.nlm.nih.gov/pubmed/?linkname=pubmed_pubmed&from_uid=28642806

[Pisa D](#), [Alonso R](#), [Fernández-Fernández AM](#) et al. (2017) **Polymicrobial Infections In Brain Tissue From Alzheimer's Disease Patients.** [Sci Rep](#). 7(1), 5559. doi:

10.1038/s41598-017-05903-y. <https://www.ncbi.nlm.nih.gov/pubmed/28717130>

«Finally, several structures that could belong to fungi or prokaryotes were detected using peptidoglycan and Clostridium antibodies, and PCR analysis revealed the presence of several bacteria in frozen brain tissue from AD patients. Thus, our results show that polymicrobial infections consisting of fungi and bacteria can be revealed in brain tissue from AD patients. «

[Girolamo F](#), [Coppola C](#), [Ribatti D](#) (2017) **Immunoregulatory effect of mast cells influenced by microbes in neurodegenerative diseases.** [Brain Behav Immun](#). 65, 68-89.

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<http://mobile.the-scientist.com/article/50208/do-microbes-trigger-alzheimer-s-disease>

[Carter, Chris J](#) (2017) **Genetic, Transcriptome, Proteomic, and Epidemiological Evidence for Blood-Brain Barrier Disruption and Polymicrobial Brain Invasion as Determinant Factors in Alzheimer's Disease.** DOI: 10.3233/ADR-170017 [Journal of Alzheimer's Disease Reports](#), 1(1) 125-157 <http://content.iospress.com/articles/journal-of-alzheimers-disease-reports/adr170017>

«AD serum amyloid- β autoantibodies may attenuate its antimicrobial effects favoring microbial survival and cerebral invasion leading to activation of neurodestructive immune/inflammatory processes, which may also be augmented by age-related immunosenescence. AD may thus respond to antibiotic, antifungal, or antiviral therapy. «

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MacDonald A. (2013) **The Biology of Lyme Disease: An Expert's Perspective** <http://youtu.be/r8tESJvM88>
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- ➔ Bransfield RC <http://www.mentalhealthandillness.com/>
- ➔ [Miklossy J.](#) (2017) **Handbook of Infection and Alzheimer's Disease** <http://www.iospress.nl/book/handbook-of-infection-and-alzheimers-disease/>
- ➔ Miller A (2017) <https://www.youtube.com/channel/UCD19kTsVBMH-F0BfV3335Ow>
- ➔ **Immunsuppressive Virusarten** <http://www.erlebnishaft.de/immunsuppressivvirus.pdf>
- ➔ **Virus triggers** <http://www.erlebnishaft.de/virus triggers.pdf>
- ➔ **Virus, Bakterium und Immunsystem** <http://www.erlebnishaft.de/virusbaktimmun.pdf>
- ➔ **Biofilm, biofilms** <http://www.erlebnishaft.de/biofilmmed.pdf>
- ➔ **L-Forms, round bodies** <http://www.erlebnishaft.de/stressvar1.pdf>
- ➔ <http://www.erlebnishaft.de/stressvar2.pdf>
- ➔ **Selbstorganisation** http://www.erlebnishaft.de/selbst_muster_nano.pdf
- ➔ **Virulenz Inhibitoren** http://www.kabilahsystems.de/virulenz_inhibitoren.pdf
- ➔ **Genetische Faktoren** http://www.xerlebnishaft.de/genetische_faktoren.pdf
- ➔ **Angiopathie** <http://www.xerlebnishaft.de/angiopathie.pdf>
- ➔ **PH, V-ATPase, Zytoskelett, Neurotoxins** <http://www.kabilahsystems.de/ph.pdf>
- ➔ **Medscape** (2013) Brain Glucose Hypometabolism, Ketosis, and Alzheimer Disease: From Controversy to Consensus. http://www.medscape.org/viewarticle/809725?src=wnl_cme_revw
- ➔ **Multiple Sklerose** <http://www.erlebnishaft.de/multipleskleroseborreliose.pdf>
- ➔ **ALS** <http://www.xerlebnishaft.de/als.pdf>
- ➔ **Autismus** http://www.xerlebnishaft.de/autismus_und_lyme.pdf
- ➔ **Schizophrenie** http://www.erlebnishaft.de/psychiatric_patients.pdf
- ➔ **Priones (... ALS?)** <http://www.erlebnishaft.de/prione.pdf>
- ➔ **Immunitaet** http://www.erlebnishaft.de/danger_model.pdf
- ➔ **Methylzyklus** <http://www.erlebnishaft.de/methylierung.pdf>
<http://www.xerlebnishaft.de/bildmethyl-arginin.pdf>
- ➔ **L-Arginin** <http://www.xerlebnishaft.de/bildmethyl-arginin.pdf>
- ➔ **Biogene Amine und Peptide** <http://www.kabilahsystems.de/biogeneamineundpeptide.pdf>
- ➔ **Fettsäuren (Omega 3)** <http://www.kabilahsystems.de/ungesaetfetts.pdf>
- ➔ **Immunsuppression** <http://www.xerlebnishaft.de/immunsuppression.pdf>
- ➔ **Antimikrobiotik** <http://www.kabilahsystems.de/antibiosetherapieplan.pdf>
<http://www.xerlebnishaft.de/antibiosetherapie.pdf>
<http://www.xerlebnishaft.de/phytotherapie.pdf>

Methylenblau, Rember®

http://scholar.google.de/scholar?q=remember+methylene+blue+alzheimer%27s&hl=de&as_sd t=0&as_vis=1&oi=scholar&sa=X&ei=C1QpU_0fz9eyBoHQgLA&ved=0CDkQgQMwAA

- ➔ **Zahn- und Mundpflege, dental and oral care** http://www.xerlebnishaft.de/zahn_mundpflege.pdf
- ➔ **Salutogenese, Resilienz** <http://www.xerlebnishaft.de/salutogenese.pdf>

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- ➔ **Virusinfektionen** <http://www.erlebnishaft.de/virustriggers.pdf> [Immunsuppressive Virusarten](http://www.erlebnishaft.de/virusbaktimmun.pdf)
- ➔ **Chlamydien, Chlamydiophila** http://www.kabilahsystems.de/chlamydia_pneumoniae.pdf
- ➔ **Andere Krankheitserreger** <http://www.xerlebnishaft.de/antibiosetherapie.pdf>
<http://www.kabilahsystems.de/antibiosetherapieplan.pdf>
- ➔ **Mitochondrien Dysfunktion** <http://www.xerlebnishaft.de/mitochondrien.pdf>

- Zytoskelett-Krankheiten <http://www.xerlebnishaft.de/zytoskelett.pdf>
- Prione <http://www.erlebnishaft.de/prione.pdf>
- Bakterielle L-Formen, filtrierbare, filterable Bakterienformen (<250 Nanometer) <http://www.erlebnishaft.de/stressvar1.pdf> <http://www.erlebnishaft.de/stressvar2.pdf>
- Biofilm und quorum sensing <http://www.erlebnishaft.de/biofilmmed.pdf> <http://www.xerlebnishaft.de/quorum.pdf>
- Horizontaler Gentransfer <http://www.erlebnishaft.de/gentransfer.pdf>
- Gen-Dynamik, Gene dynamics http://www.xerlebnishaft.de/gen_dynamik.pdf
- Symbiogenese <http://www.erlebnishaft.de/symbiogenese.pdf>
- Selbstorganisation http://www.erlebnishaft.de/selbst_muster_nano.pdf
- Chronic Inflammatory Disorders. Multisystem diseases caused by pathogens http://www.kabilahsystems.de/ko-erreg_eupd1.pdf
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« We concluded that *T. gondii* infection not only could not be a risk factor to PD, but even it could be concluded that patients with PD are in more risk to acquisition of infection. »

Bildgebende Diagnostik, Imaging diagnostics

Prior to any tumor therapy, may be a long term antibiotic treatment should be done. Jeder Tumor-Therapie sollte eventuell doch eine (Langzeit-) Antibiose voraus gehen. <http://www.xerlebnishaft.de/krebsstammzelltherapie.pdf>

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fungi and some viruses. ... Our findings suggest interplay between hBD-1 and neuroimmunological responses in AD, marked by microglial and astrocytic activation, and increased expression of the peptide within the choroid plexus and accumulation within GVD. As a constitutively expressed component of the innate immune system, we propose that hBD-1 may be of considerable importance early in the disease process.”

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« These data demonstrate that the amyloidogenic A β x-42 variants have antimicrobial activity and may therefore act as antimicrobial peptides in the immune system. »

Behandle physikalisch (körperliche und geistige Bewegung, ausreichend Schlaf, weniger Stress), probiotisch (Körperpflege, Oralhygiene, Probiotika-Einnahme),

bei vitaler Indikation (Entzündungszeichen, Entzündungsmarker) zusätzlich mit Antibiotika, dann aber gezielt, hart und so frühzeitig wie möglich.

Treat physically (exercise, sleep, stress reduction), probiotic and in case of vital indication (signs of chronic inflammation disorder) additionally with antibiotics,

but then targeted, hard and as early as possible.

- ➔ http://www.kabilahsystems.de/therap_02_virus.pdf o.a.
- ➔ [Therapie bei chronischen Multiinfektionskrankheiten durch Krankheitserreger](#)
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„The Clinicaltrials.gov database demonstrates that relatively few clinical trials are undertaken for AD therapeutics, considering the magnitude of the problem. The success rate for advancing from one phase to another is low, and the number of compounds progressing to regulatory review is among the lowest found in any therapeutic area. The AD drug-development ecosystem requires support. “

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Back to top: <http://www.erlebnishaft.de/alzheimerspirochaetosis.pdf>

