

**Co-pathogens and toxins in
Lyme disease,
Multi-system – Multi-infection – diseases
and in
Cavete diagnoses**

by

Eng. vers. completed in 3 / 2017 Dr. med. Bernt-Dieter Huismans
http://www.kabilahsystems.de/ko-erreger_eng.pdf <http://www.xerlebnishaft.de/veroeffentlichungen.pdf>

<http://Huismans.click>





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Introduction

The following compilation resulted from over forty years of experience as a doctor in the treatment of patients, since 1974 as a house physician working for internal diseases, since 1997 with the additional designation environmental medicine, 2008 to 2015 during the practical work in a clinic with focus on chronic Lyme disease and co-infections with patients that also had to suffer from other multi-system - Multi-infection diseases .

The **compilation** is not complete. The **literature collection** is not strictly selected and not strictly well-ordered. Overlaps are possible.

The presentation corresponds to the author's experience horizon as a doctor in dealing with patients in South Germany. The scientific substantiation of the content of the presentation has not been made until now. Die interested skilled persons must find out for themselves what they have to believe.

[Literature collection](#) and for further information click on the attached links in each case.



Co-pathogens and toxins in Lyme disease

A Lyme borreliosis without co-pathogens and without toxins could not be proved by us despite intensive employment with this topic

<http://www.xerlebnishaft.de/infektursachenspektrum.pdf>

Chronic Lyme borreliosis is a multi-system multi-infection syndrome at an immune deficient host

<http://www.xerlebnishaft.de/chronisch.pdf>



Distances less than 80 Nanometers

Comparison of the sizes of lifeforms <http://www.xerlebnishaft.de/lebensstrukturenvergleich.pdf>

Family	Nanometer (10 ⁻⁹ meters)	Mode	Appearances
Quantum, Number, Structure	> 80	Self-organization	Observers structure
Atome	0,3-2,7	Periodic System of elements	Nuclear fusion, Nuclear decay

<https://zeitenundformen.files.wordpress.com/2014/01/brigitte-rothlein-schrodingers-katze.pdf> See here on page 13

At intervals of less than 80 nanometers, the real world of the observers and of classical physics gradually changes into the world of the quantum mechanics:

https://www.youtube.com/watch?v=FwNV_e-Xz68

<https://www.youtube.com/watch?v=nRA6Gnu6g-0>

<https://www.youtube.com/watch?v=HMMsti9AQLg>

Self-Organization http://www.erlebnishaft.de/selbst_muster_nano.pdf

Immunology http://www.erlebnishaft.de/danger_model.pdf

Symbiosis <http://www.erlebnishaft.de/symbiogenese.pdf>

Life http://www.xerlebnishaft.de/gen_dynamik.pdf [Xenoautophagie](#)

Cell formation https://www.youtube.com/watch?v=VGulal_181g_kabilah

<https://www.youtube.com/watch?v=DgA-aWnHyh8>

<https://www.youtube.com/watch?v=R30YKfEuyo0> https://books.google.de/books/about/Symphonie_des_Lebendigen.html?id=ABsSAAAACAAJ&source=kp_cover&red

→ **See also page 39**



Viruses size comparison

Comparison of the sizes of lifeforms <http://www.xerlebnishaft.de/lebensstrukturenvergleich.pdf>

Family	Nanometer (10 ⁻⁹ meters)	Mode	Appearances
DNA-Viruses	20-300	DNA-Bacteriophages	
Parvo-Virus	18-26	Hepatitis-A-Virus	Hepatitis Type A
Papova-Virus		Papilloma-Virus	Tumors, Diseases of skin and mucous membranes
Herpeto-Virus	100-200	Herpes-Virus	“Fever blisters“, Chickenpox, Beltrose, Burkitt-Lymphoma
Pox-Virus	230-300	Vaccinia-Virus, Parapox-Virus	Smallpox, Cow-pox
RNA-Virus species	20-300	RNA-Bacteriophages	
Picorna-Virus	20-40	Enterovirus, Rhinovirus	Poliomyelitis, Influenza, Foot and Mouth disease.
Toga-Virus = Arbo-Virus	40-70	Alphavirus (Human being, Animal), Flavivirus, Rubivirus	Horsesencephalitis, Rubella, Yellow fever, FSME, Dengue-fever, Tal-fever
Retro-Virus	100	Slow-Virus, Lentivirus, HIV, Onkorna-Virus	Acquired immune deficiencies, AIDS/SIDA, Carcinomas
Orthomyxo-Virus	80-100	Influenzavirus	Influenza
Paramyxo-Virus	100-300	Parainfluenza-Virus, Morbillivirus	Mumps, Measles, Distemper, Rinderpest
Rhabro-Virus	70x175, 70x650	Lyssavirus	Rabies



Viruses as co-pathogens, therapy

Pathogen (examples only)

<http://www.erlebnishaft.de/virusbaktimmun.pdf>
<http://www.erlebnishaft.de/immunsuppressivvirus.pdf>
http://www.xerlebnishaft.de/borrel_inflam_lymphom_neopl.pdf
<http://www.erlebnishaft.de/virusstriggers.pdf>

- Epstein Barr Virus
- Herpes Virus-6, -7, -8
- Varicella zoster Virus
- Cytomegalovirus
- Coxsackie Virus
- Papilloma Virus
- Borna Virus
- ALS retrovirus
- MS retrovirus, Torque teno Virus
- Tick-Borne Encephalitis Virus
- Parvovirus B19
- Vaccinia-Virus types
- Adenovirus
- Phlebovirus / Bunya virus
- Measlesvirus, Mumps virus
- Human borna disease virus
- Powassan Virus, Bourbon Virus
- Hepatitis B und C Virus
- HIV ...

The DNA –World

The RNA – World

Therapy http://www.kabilahsystems.de/therap_02_virus.pdf

<http://www.xerlebnishaft.de/amantadin.pdf>

<http://www.kabilahsystems.de/biogeneamineundpeptide.pdf>

Woche	Tag	Labor	Azithromycin 500 mg	Minocyclin 100 mg	Artemisia 200 mg	Delimmun Delimmun	Rifampicin
1	Mo		1-0-0		2-0-2	entsprechend	
	Die		1-0-0		2-0-2		
	Mi				2-0-2		
	Do		1-0-0		2-0-2		
	Fr				2-0-2		
	Sa		1-0-0		2-0-2		
	So				2-0-2		
2	Mo	Blut, EKG, Sono	1-0-0	½-0-0	2-0-2		
	Die			½-0-0	2-0-2		
	Mi		1-0-0	½-0-0	2-0-2		
	Do			½-0-½	2-0-2		
	Fr		1-0-0	½-0-½		2-0-2	
	Sa					2-0-2	
	So					2-0-2	
3	Mo		1-0-0			2-0-2	
	Die			½-0-0		2-0-2	
	Mi		1-0-0	1-0-1		2-0-2	
	Do			1-0-1		2-0-2	
	Fr		1-0-0	1-0-1		2-0-2	

Antibiotics + Probiotics +
Metabolism supportives +
Physiotherapy, all at the same
time!

Please observe standard dosage and instructions leaflet



[Disclaimer](#)

Contraindications: <http://www.kabilahsystems.de/gegen.pdf>

Bacteria and Bacteria-Persisters

Comparison of the sizes of lifeforms <http://www.xerlebnishaft.de/lebensstrukturenvergleich.pdf>

Family	Nanometer (10 ⁻⁹ meters)	Mode	Appearances
Bakt. Stealth Formes, CWD's	< 250		
Numerous shapes	50-250	Extra-/Intracellular bacterial variants, Bakt. Pleomorphism DNA+RNA+Lipides+Peptides	Possibly rheumatological, neurological and psychiatric diseases

Bacteria change the appearance between the original form

(**frontal pathogen**) and a cell wall defektive (deficient) form (**CWD**)

<https://de.wikipedia.org/wiki/Pleomorphie>

(**stealth pathogen**). Bacteria resp. microbes live **pleomorph**.

<http://www.xerlebnishaft.de/trotzantibiosepat.pdf>

Synonyma: Pleomorphic bacteria forms, Bakterial induction forms, Gymnoplasts, Bakterial reversion forms



Bacteria and Bacteria-Persisters

As a **frontal pathogen** some bacteria (Shigella, Listerines, Rickettsia, Borrelia) can move with the help of **actin filaments through the zells of their host and into neighboring cells.**

As a **stealth pathogen**, i.e. as a cell-wall-deficient form (as **CWD** form), bacteria can remain in **endosomes** (prelysosomal intermediates) or can be transported to neighboring cells by **transcytosis** or they were **endoautophagically digested and eliminated** <http://www.xerlebnishaft.de/xenoautophagie.pdf> or they can be dismissed into the **cytoplasm**.

Viable but Non Cultivable Microbes

„**Spermin** levels might explain why some individuals have classical bacteria in infections and others only L-phase organisms.“ [Mattman L \(2001\) S. 93](http://www.xerlebnishaft.de/bildmethyl-arginin.pdf) <http://www.xerlebnishaft.de/bildmethyl-arginin.pdf>
<http://www.kabilahsystems.de/biogeneamineundpeptide.pdf>

Medical Microbiology <http://www.pmbio.icbm.de/vl/phys/patho.pdf>



Bacteria and Bacteria-Persisters

CWD s can be greater than 250 nanometers or less than 250 nanometers.

**CWD s, which pass a porosity of 250 nanometers or less, are called "filterable microbes" Mattman L (2001). <http://www.erlebnishaft.de/stressvar1.pdf>
<http://www.erlebnishaft.de/stressvar2.pdf>**

CWD s greater than 250 nanometers, synonyma: Round bodies, Cysts, Blebs, Dormants, Bacterial stress variants, Persisters, Eberth-Koch s variants, Slowly growing bacterial populations, Bacterial Yin-Yang Variants according to Zhang, Atypical bacterial variants.

http://de.wikibooks.org/wiki/Medizinische_Mikrobiologie:_Atypische_Bakterien

CWD s smaller than 250 nanometers, synonyma: "filterable microbes", bacterial L-formes (L = little, large, lipoidal, lithe, Lister), L1-Forms , L-Phase Variants, (E. Klieneberger – Nobel , 1935), Bacterial Yin-Yang variants according to Zhang, Atypical bacterial variants, Nanobacteria / Nanobes.

<http://www.erlebnishaft.de/stressvar1.pdf>

Medical Microbiology <http://www.pmbio.icbm.de/vl/phys/patho.pdf>



Bacteria and Bacteria-Persisters

„Most **CWD** forms include filterable, viable units, but this is not invariable, it depends on the age of the culture and nutrients supplied“.

[Mattman L. \(2001\) Cell Wall Deficient Forms. Stealth Pathogens. CRC Press 3rd Edition, p.11
https://books.google.de/books?id=SoDOBQAAQBAJ&sitesec=buy&hl=de&source=gbs_buy_r](https://books.google.de/books?id=SoDOBQAAQBAJ&sitesec=buy&hl=de&source=gbs_buy_r)

CWD s have a very slow metabolism (Multiplication approximately every four weeks)
CWD´s are largely resistant to antibiotics.

CWD´s, which are smaller than 250 nanometers, ie the so called „filterable microbes“ have virus properties. <http://www.erlebnishaft.de/gentransfer.pdf>

CWD s can return to their frontal pathogenic variants under more favorable living conditions and become active again in this form.

Medical Microbiology <http://www.pmbio.icbm.de/vl/phys/patho.pdf>



Bacteria and Bacteria-Persisters

Intracellular discovered foreign bodies in diseases

<http://www.erlebnishaft.de/stressvar1.pdf>

Levy bodies in Parkinson s disease <http://www.erlebnishaft.de/alzheimerspirochaetosis.pdf>

Amyloid plaques in Alzheimer <http://www.erlebnishaft.de/alzheimerspirochaetosis.pdf>

Elementary bodies (EK) http://www.kabilahsystems.de/chlamydia_pneumoniae.pdf

in Arteriosclerosis <http://www.xerlebnishaft.de/angiopathie.pdf>

Spheroid neuronal included bodies, Bunina bodies in Amyotrophic lateral sclerosis

<http://www.xerlebnishaft.de/als.pdf>

Round bodies, cysts in Lyme Borreliosis <http://www.erlebnishaft.de/stressvar2.pdf>

Bubbles and granules in Carcinomas and Sarcomas <http://www.erlebnishaft.de/stressvar1.pdf>

<http://www.xerlebnishaft.de/krebsstammzelltherapie.pdf>



Bacteria and Bacteria-Persisters

Koch's postulates, revised version http://www.xerlebnishaft.de/expand_koch_post.pdf

Characteristics	Frontal pathogens Hot infections Infection chaud	↔	Stealth pathogens (CWD's) Hidden infections Infection caché
Incubation	short (hours or days)		long term (months or years)
Symptoms	akut		chronic
Immunity	sterilisable		almost non-sterilizable
Transmission	direct		indirectly
Reproduction	quickly		slowly
Carrier status	especially		generally
Therapy	3 to 7 or 14 days		3 to 6 months or for years

Falkow S (2004) <http://www.ncbi.nlm.nih.gov/pubmed/15035010>

Breitschwerdt EB (2013) <http://www.sciencedirect.com/science/article/pii/S0021997512004367>



Bacteria Reversion-Therapy

Activators of the reversion of stealth to frontal pathogens:

High stealth pathogen density <http://www.xerlebnishaft.de/quorum.pdf> (disease relapse)

Heat (sauna, [hyperthermia](#)), coldness („catch a cold“), 40 C or 20–30 , e.g. 25 C or Trypsin

Lactobacillus – variants <http://www.kabilahsystems.de/probiotika.pdf>

[Vitamin E](#), amino sugar, mucin, gelatine, agar agar (not autoklaved)

C10 <http://aac.asm.org/content/55/11/5380.full>,

Spermine <http://www.kabilahsystems.de/biogeneamineundpeptide.pdf>

Microbial extract (Bacteria cellwall extracts; n-acetylglucosamine, diaminopimelinacid)

Frequent antibiotic change from: Mattman L (2001) **Cell Wall Deficient Forms, Stealth Pathogens**

Oxygen [O₂](#)

3rd Edition, 416 pages <https://www.crcpress.com/Cell-Wall-Deficient-Forms-Third-Edition-Stealth-Pathogens/Mattman/p/book/9780849387678>

[UV](#) - light of the wave length 380 - 400 nm

Adsorbing surfaces (Chlorella, Healing earth finely ground, Animal charcoal, Cholestyramin)

<http://www.kabilahsystems.de/entgiftung.pdf>



Bacteria in chronic Lyme Borreliosis, therapy

Disease causing agents (examples)

http://de.wikibooks.org/wiki/Medizinische_Mikrobiologie:_Atypische_Bakterien
<http://www.xerlebnishaft.de/symptomatik.pdf>
http://www.xerlebnishaft.de/symptomatik_lyme.pdf

- **Borrelia, Treponemes (Spirochetes)**
<http://www.erlebnishaft.de/morgellonsdisease.pdf>
- **Rickettsia** <https://de.wikipedia.org/wiki/Rickettsien>
- **Ehrlichia** <http://www.kabilahsystems.de/anaplasmaphagocytophilum.pdf>
- **Bartonella** <http://www.kabilahsystems.de/bartonellen.pdf>
- **Mykoplasmas** <http://www.kabilahsystems.de/mycoplasma.pdf>
- **Yersinia enterocolitica**
<http://www.kabilahsystems.de/yersiniaenterocolitica.pdf>
- **Chlamydia pneumoniae**
http://www.kabilahsystems.de/chlamydia_pneumoniae.pdf
- **Chlamydia trachomatis**
- **Leptospires**
- **Brucelles**
- **Francisella tularensis**
- **Coxiella burnetii, Q-fever**
- **Mollicutes**
- **Mycobakteria other than Tuberculosis (MOT s)** http://www.kabilahsystems.de/atypical_mycobacteria.pdf

Therapy <http://www.kabilahsystems.de/antibiosetherapieplan.pdf>

<http://www.xerlebnishaft.de/antibiosetherapie.pdf> <http://www.kabilahsystems.de/bakteriophagen.pdf> [Verhaltensweisen](#)

Azithromycin+Minocycline+Artemisia annua int.

http://www.kabilahsystems.de/therap_01_basis.pdf

Woch e	Tag	Labor	Azithromycin	Minocyclin	Artemisia	Delimmun	Rifampicin
1	Mo		1 - 0 - 0		2 - 0 - 2		
	Die		1 - 0 - 0		2 - 0 - 2		
	Mi				2 - 0 - 2		
	Do		1 - 0 - 0		2 - 0 - 2		
	Fr				2 - 0 - 2		
	Sa		1 - 0 - 0		2 - 0 - 2		
	So				2 - 0 - 2		
2	Mo	Blut, EKG, Sono	1 - 0 - 0	½ - 0 - 0	2 - 0 - 2		
	Die			½ - 0 - 0	2 - 0 - 2		
	Mi		1 - 0 - 0	½ - 0 - 0	2 - 0 - 2		
	Do			½ - 0 - ½	2 - 0 - 2		
	Fr			0 - ½	2 - 0 - 2		
	Sa				2 - 0 - 2		
	So				2 - 0 - 2		
3	Mo				2 - 0 - 2		
	Die			½ - 0 - 1	2 - 0 - 2		
	Mi		1 - 0 - 0	1 - 0 - 1	2 - 0 - 2		
	Do				2 - 0 - 2		

**combined,
pathogen-
oriented,
longterm
treated**

Antibiotics + Probiotics +
Metabolism supportives +
Physiotherapy, all at the same
time!

Please observe standard dosage and instructions leaflet

New version of Koch s postulates http://www.xerlebnishaft.de/expand_koch_post.pdf

[Disclaimer](#) **Contraindications:** <http://www.kabilahsystems.de/gegen.pdf>



Bacteria in chronic Lyme borreliosis, therapy

Therapy alternative 1: Azithromycin+Minocycline+Artemisia +Rfampicin

http://www.kabilahsystems.de/therap_03_rifa.pdf

Therapy alternative 2: Azithromycin+Minocycline+Artemisia +Metronidazole

http://www.kabilahsystems.de/therap_06_bei_therapieresistenz.pdf Tinidazol statt Metronidazol

Overview graphical representations for therapy <http://www.xerlebnishaft.de/antibioetherapie.pdf>

<http://www.kabilahsystems.de/antibioetherapieplan.pdf>

Woc he	Tag	Labor	Azithromycin	Minocyclin	Artemisia	Dapson	Rifampicin Rifampicin
1	Mo				2-0-2		1-0-0
	Die				2-0-2		1-0-0
	Mi				2-0-2		1-0-0
	Do				2-0-2		1-0-0
	Fr				2-0-2		1-0-0
	Sa				2-0-2		1-0-0
	So				2-0-2		1-0-0
2	Mo	Blut, EKG, Sono		½-0-0	2-0-2		1-0-0
	Die			½-0-0	2-0-2		1-0-0

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Woc he	Tag	Labor	Azithromycin	Minocyclin	Artemisia	Delimmu	Metronidaz Metronidazole
1	Mo		1-0-0		2-0-2		
	Die		1-0-0		2-0-2		
	Mi				2-0-2		
	Do		1-0-0		2-0-2		
	Fr				2-0-2		
	Sa		1-0-0		2-0-2		
	So				2-0-2		
2	Mo	Blut, EKG, Sono	1-0-0	½-0-0			1-0-2
	Die			½-0-0			1-0-2
	Mi		1-0-0	½-0-0			1-0-2

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New version of Koch s postulates http://www.xerlebnishaft.de/expand_koch_post.pdf

[Disclaimer](#)

Contraindications: <http://www.kabilahsystems.de/gegen.pdf>



Bacteria in chronic Lyme borreliosis, therapy

Therapy in neurological symptomatic: Azithromycin+Cefuroxim+Artemisia +Delimmun http://www.kabilahsystems.de/therap_05_neurologisch_akut.pdf

Therapy in pregnancy and in children: Azithromycin+Cefuroxim http://www.kabilahsystems.de/therap_04_schwangere_und_kinder.pdf

Phytotherapy: Tropaeolum niger, Horseradisch, Minocycline, Artemisia annua intense http://www.kabilahsystems.de/therap_07_phyto_kombi_etc.pdf

Woche	Tag	Labor	Azithromycin	Cefuroxim	Artemisia	Delimmun	Rifampicin
1	Mo		1-0-0	Cefuroxim	2-0-2		
	Die		1-0-0		2-0-2		
	Mi				2-0-2		
	Do		1-0-0		2-0-2		
	Fr				2-0-2		
	Sa		1-0-0		2-0-2		
	So				2-0-2		
2	Mo	Blut, EKG, Sono	1-0-0	1-0			
	Die			1-0-1			
	Mi		1-0-0	1-0-1	2-0-2		
	Do			1-0-1	2-0-2		
	Fr		1-0-0	1-0-1	2-0-2		
	Sa			1-0-1	2-0-2		
	So			1-0-1	2-0-2		
3	Mo		1-0-0	1-0-1			

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Betalactamases <https://www.ncbi.nlm.nih.gov/pubmed/9158807>
<https://de.wikipedia.org/wiki/%CE%92-Lactamase-Inhibitoren>

Please observe standard dosage and instructions leaflet

Woche	Tag	Labor	Azithromycin	Cefuroxim	Artemisia	Delimmun	Rifampicin
1	Mo		1-0-0	Cefuroxim			
	Die		1-0-0				
	Mi						
	Do		1-0-0				
	Fr						
	Sa		1-0-0				
	So						
2	Mo	Blut, EKG, Sono	1-0-0	1-0-1			
	Die			1-0-1			
	Mi		1-0-0	1-0-1			
	Do			1-0-1			
	Fr		1-0-0	1-0-1			
	Sa			1-0-1			
	So			1-0-1			

Some other phytotherapeutics

<http://www.xerlebnishaft.de/phytotherapie.pdf>

Antibiotics + Probiotics + Metabolism supportives + Physiotherapy, all at the same time!

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Contraindications: <http://www.kabilahsystems.de/gegen.pdf>



Archeas

<http://www.spektrum.de/lexikon/biologie/archaebakterien/4739>
<https://de.wikipedia.org/wiki/Archaeen#Stoffwechsel>

Archeas (Extremophiles) are unicellular organisms with **nucleus aequivalent**, which grow under extreme conditions, e.g. in an oxygen free environment and at higher temperatures.

Some Archeas produce methane and hydrogen sulfide, **Archeas may be stinking (Biogas)**. Archeas are found in children older than 2 years and adults in the **gums** and in the **intestines**.

Nuclear containing organisms (Eukaryotes) have an archea like configuration.

<http://www.erlebnishaft.de/archaeae.pdf>

<https://www.elsevier.com/books/the-biochemistry-of-archaea-archaebacteria/kates/978-0-444-81713-6>.

Archeas do not make people sick. As a neoplasm, however, in the case of cancer and sarcoma, the eukaryote cell turns in stages to its origin as a free living archaea similar creature.

But archeas promote the growth of pathogenic bacteria by their simple presence.

The more archeas in the mouth, the stronger the periodontitis http://www.xerlebnishaft.de/zahn_mundpflege.pdf .

In patients with colon cancer and/or divertikulosis / diverticulitis the amount of archeas is increased. <http://onlinelibrary.wiley.com/doi/10.1002/bies.10354/abstract> <https://de.wikipedia.org/wiki/Archaeen>

New version of Koch s postulates http://www.xerlebnishaft.de/expand_koch_post.pdf



Archeas

An infection with archeas as a special ko-infection has not yet been described in case of Lyme borreliosis

However carcinomas and sarkomas are found more frequently in chronic inflammatory diseases as we find it in
Multi-System – Multi-Infektion – diseases.

http://www.diplomica-verlag.de/gesundheitswissenschaften_94/antibiotika-langzeit-therapie-bei-chronischer-lyme-borreliose-mit-borrelien-dna-nachweis-durch-pcr-intensivbehandlung-kombinationsbehandlung-langzeitbehandlung_159733.htm

New version of Koch s postulates http://www.xerlebnishaft.de/expand_koch_post.pdf



Fungi

Fungi can grow both outside and inside the cells of their host and multiply.

There are only indirect evidence of fungi as co-infektion in Lyme-Borreliosis.

Schardt FW (2004) Clinical effects of fluconazole in patients with neuroborreliosis. Eur J Med Res 9(7), 334-6. <https://www.ncbi.nlm.nih.gov/pubmed/15337633>

“Eleven patients with neuro-borreliosis had been treated with 200 mg fluconazole daily for 25 days after an unsuccessful therapy with antibiotics. At the end of treatment eight patients had no borreliosis symptoms and remained free of relapse in a follow-up examination one year later. In the remaining four patients, symptoms were considerably improved. At the end of therapy immune reactivity (IgM+) disappeared in three patients. Since borrelia spp. are almost exclusively localised intracellular, they may depend on certain metabolites of their eucaryotic host cell. Inhibition of P450 and other cytochromes by fluconazole may incapacitate Borrelia upon longterm exposure”.

Schardt FW (2012) Therapievorschlage bei neurologischen Symptomen einer Lyme Borreliose. http://www.neuroborreliose.net/informationen_therapie/therapievorschlaege/index.html



Fungi as Co-pathogens in Lyme-borreliosis

Disease causing agents (examples)

- **Candida species**
- **Malassezia furfur** (Pityriasis versicolor)
- **Aspergillus species** (Aspergillosis)
- **Cryptococcus neoformans**
- **Rhizopus**
- **Coccidioides immitis**
- **Histoplasma capsulatum**

The therapy may last over years

„An immunocompromised host, can be killed from any fungus“, Rinaldi M. (1991)

<http://www.kabilahsystems.de/probiotika.pdf>

Therapy

Minocycline+Artemisia annua(+Delimmun)+Fluconazol <http://www.kabilahsystems.de/fluconazol.pdf>

Polyenes (z. B. Amphotericin B), Nystatin, Capryl acid, Lauryl acid, local: pH 5, Lactulose

<http://www.kabilahsystems.de/ungesaettfetts.pdf>

New version of Koch s postulates http://www.xerlebnishaft.de/expand_koch_post.pdf

[Disclaimer](#)

Contraindications: <http://www.kabilahsystems.de/gegen.pdf>

Woche	Tag	Labor	Azithromycin	Minocyclin	Artemisia	Delimmun®	Fluconazol
1	Mo				2 - 0 - 2		Fluconazol
	Die				2 - 0 - 2		
	Mi				2 - 0 - 2		
	Do				2 - 0 - 2		
	Fr				2 - 0 - 2		
	Sa				2 - 0 - 2		
	So				2 - 0 - 2		
2	Mo	<u>Blut,</u> <u>EKG,</u> <u>Sono</u>		½ - 0 - 0			1 - 0 - 0
	Die			½ - 0 - 0			1 - 0 - 0
	Mi			½ - 0 - 0			1 - 0 - 0
	Do			½ - 0 - ½			1 - 0 - 0
	Fr			½ - 0 - ½			1 - 0 - 0
	Sa			½ - 0 - ½			1 - 0 - 0
	So			½ - 0 - ½			1 - 0 - 0
3	Mo			½ - 0 - 1			1 - 0 - 0
	Die			½ - 0 - 1			1 - 0 - 0
	Mi			1 - 0 - 1			1 - 0 - 0

Antibiotics + Probiotics + Metabolism supportives + Physiotherapy, all at the same time!

Please observe standard dosage and instructions leaflet



Protozoons

Family	Nanometer (10 ⁻⁹ meters)	Mode	Appearances
Single cell creatures			
Numerous forms	2.000 - 5.000	Without cell nucleus (Procaryotes ; Bacteria, Archaea) With cell nucleus (Eucaryotes; Fungi, Protozoons)	Liveliness

Protozoons are living creatures consisting of only one cell.

Protozoons can form **cell colonies and**

****they can live in biofilms****

together with bacteria, viruses, archeae, fungi and microalgae



Protozoons as Co-pathogens in Lyme-borreliosis

Disease causing agents (examples)

- **Babesia**
<http://www.kabilahsystems.de/babesien.pdf>
- **Toxoplasm**
<http://www.kabilahsystems.de/toxoplasmen.pdf>
- **Trypanosomes**
- **Leishmania**
- **Coccidia**
- **Theileria**
- **Cryptospora**
- **Isospora**
- **Plasmodia**
- **Protomyxoa rheumatica**
- **Sporozoa**

Therapy

Minocycline+Artemisia annua+Malarone

http://www.kabilahsystems.de/therap_08_protozoen_oder_hefen.pdf

Woche	Tag	Labor	Azithromycin	Minocyclin	Artemisia	Delimmun®	Malarone®
1	Mo				2 - 0 - 2		Malarone
	Die				2 - 0 - 2		
	Mi				2 - 0 - 2		
	Do				2 - 0 - 2		
	Fr				2 - 0 - 2		
	Sa				2 - 0 - 2		
	So				2 - 0 - 2		
2	Mo	Blut , EKG , Sono		½ - 0 - 0			1 - 0 - 0
	Die			½ - 0 - 0			1 - 0 - 0
	Mi			½ - 0 - 0			1 - 0 - 0
	Do			½ - 0 - ½			1 - 0 - 0
	Fr			½ - 0 - ½			1 - 0 - 0
	Sa						1 - 0 - 0
	So						1 - 0 - 0
3	Mo						1 - 0 - 0
	Die			½ - 0 - 1			1 - 0 - 0
	Mi			1 - 0 - 1			1 - 0 - 0

Antibiotics + Probiotics +
Metabolism supportives +
Physiotherapy, all at the same
time!

Please observe standard dosage and instructions leaflet

Contraindications: <http://www.kabilahsystems.de/gegen.pdf>



Biofilms

Biofilms and quorum sensing in the medicine

<http://www.erlebnishaft.de/biofilmmed.pdf> <http://www.xerlebnishaft.de/quorum.pdf>

Family	Nanometer (10 ⁻⁹ meters)	Mode	Appearances
<u>Biofilms</u>			
„ <u>Cities of Microbes</u> “	>50.000	<u>luxtazellular creatures</u>	Surface settlements

Biofilms are **extra- and intra – cellular layers** by microorganisms, i.e. by bacteria, viruses, archaea, protozoa, fungi and microalgae.

Biofilms are „**Cities of Microbes**“. They are symbiogenetic living creatures. Biofilms are very antibiotic resistant.

The bacteria language group and the special parent esperanto of biofilms is called **Quorum sensing**. <http://www.xerlebnishaft.de/quorum.pdf>



Biofilms and Therapy

Disease phenomena a. pathogens (examples)

- **Osteomyelitis**
- **Wound infections**
- **bacterial endocarditis**
- **Periodontal disease**
- **Urethritis**
- **Prostatitis**
- **Tooth caries**
- **Peri-Implantitis, catheter infections**
- **Chronic inflammation of the middle ear in children**
- **Staphylococcus epidermidis**
- **Staphylococcus aureus**
- **Pseudomonas aeruginosa**
- **Escherichia coli**
- **Candida species**
- **Archeas**
- **Virus types**
- **Protozoa**
- **Fungi**
- **Microalgae**

Therapy

Makrolids: Azithromycin

http://www.kabilahsystems.de/azithromycin_and_lyme.pdf,

Clarithromycin, clindamycin

Samento, banderol http://www.kabilahsystems.de/samento_banderol.pdf,

Phenothiazins, methylenblue <http://www.xerlebnishaft.de/phenothiazine.pdf>,

Bacteriophages <http://www.kabilahsystems.de/bakteriophagen.pdf>

Lactoferrin <http://www.kabilahsystems.de/immunsti.pdf>,

Ajoene, garlic http://www.kabilahsystems.de/azithromycin_and_lyme.pdf,

Polyphenols <http://www.kabilahsystems.de/polyphenole.pdf>,

Grapefruit http://www.xerlebnishaft.de/grape_kern.pdf,

Lumbrokinase <http://nattokinasehearthealth.com/60/what-is-lumbrokinase/> ,

Nattokinase <http://nattokinasehearthealth.com/60/what-is-lumbrokinase/>,

Anticoagulation <http://www.kabilahsystems.de/hyperkoagulation.pdf> ,

pH swing therapy <http://www.kabilahsystems.de/ph.pdf>,

N-Acetylcystein <http://www.kabilahsystems.de/biogeneamineundpeptide.pdf>,

Acyldepsipeptid (ADEP) <https://www.ncbi.nlm.nih.gov/pubmed/24226776>,

Elektromagnetism, ultrasound <http://www.xerlebnishaft.de/quor>



Protein and Protein folding

Prions are proteins <http://www.erlebnishaft.de/prione.pdf>

Family	Nanometer (10 ⁻⁹ meters)	Mode	Appearances
Thioesters			
„Thio intermediate world“		Complement casckade	Liveliness
Polypeptides			
Motion and calculation filaments	25x1.000	Pattern matching, Pattern recognition, Mustererkennung	Liveliness

The protein- and the thioester world <http://www.kabilahsystems.de/biogeneamineundpeptide.pdf>

Prions (proteinaceous infectious particles) are infektiuous proteins that is, they can multiply themselves autonomously.

Prions can even bequeath Skills and abilities among their healthy hosts.

Prions survive dry heat of more than 200 C.

Chaperones („Anstandsdamen“ = heat shock proteins, HSP, heat shock cognates, HSC) ensure in the endoplasmatic reticulum of the eucaryotic cell for the correct folding of the proteins

http://www.xerlebnishaft.de/endo_reticulum.pdf <http://www.xerlebnishaft.de/complement.pdf>.

Incorrect folded, the so called denatureted prions are usually pathogenic, they impede physiological processes on the cells. <http://www.xerlebnishaft.de/xenoautophagie.pdf>



Denatured proteins as Co-pathogens in Lyme

Disease promoters and tests

- Prion diseases (examples)
 - vCJK (Creutzfeldt-Jakob-disease)
 - BSE (Bovine spongiform encephalitis)
 - TSE (Transmissible spongiform encephalopathy)
 - Scrapie
 - Kuru Kuru (in cannibalism)
- Protein folding diseases (examples)
 - Alzheimer <http://www.erlebnishaft.de/alzheimerspirochaetosis.pdf>
 - Parkinson
 - Levibody dementia
 - Cataract

Blood test for mad cow disease (2012)

<http://www.channel4.com/news/blood-test-breakthrough-for-mad-cow-disease>

Jackson GS, Burk-Rafel J, Edgeworth JA et al. (2014) Population Screening for Variant Creutzfeldt-Jakob Disease Using a Novel Blood Test Diagnostic Accuracy and Feasibility Study. JAMA Neurol. Published online doi:10.1001/jamaneurol.2013.6001

<http://archneur.jamanetwork.com/article.aspx?articleid=1834620>

Orrú CD, Bongianini M, Tonoli G, Ferrari S, Hughson AG et al. (2014) A Test for Creutzfeldt–Jakob Disease Using Nasal Brushings. N Engl J Med 371, 519-529 August 7, 2014 DOI: 10.1056/NEJMoa1315200

Therapy

Nothing, but:

[Hannaoui S, Gougerot A, Privat N, Levavasseur E, Bizat N, Hauw JJ, Brandel JP, Haïk S. \(2013\) Cycline efficacy on the propagation of human prions in primary cultured neurons is strain-specific. J Infect Dis. <http://www.ncbi.nlm.nih.gov/pubmed/24265435>](http://www.ncbi.nlm.nih.gov/pubmed/24265435)

“First, we successfully propagated various Creutzfeldt-Jakob disease isolates (sporadic, variant and iatrogenic CJD) in neuronal cultures expressing the human prion protein. Then, we found that doxycycline was the most effective compound, with important variations between isolates. Isolates from sporadic CJD, the most common form of prion diseases showed the highest sensitivity.”



Toxins

<http://www.kabilahsystems.de/neurotoxine.pdf> <http://www.kabilahsystems.de/entgiftung.pdf>
<http://www.kabilahsystems.de/bakteriophagen.pdf>

▪ **Parasites toxins** (bacteria, fungi, algae, neoplasms, pus heards etc.), **antibiotic** and **chemotherapeutic agents** <http://www.kabilahsystems.de/antibiosetherapieplan.pdf> <http://www.kabilahsystems.de/herxh.pdf>
<http://www.xerlebnishaft.de/krebsstammzelltherapie.pdf> <http://www.xerlebnishaft.de/eosinophilie.pdf>
http://www.xerlebnishaft.de/borrel_inflam_lymphom_neopl.pdf <http://www.kabilahsystems.de/antizyt-chem.pdf>

▪ **Mycotoxins** <http://www.xerlebnishaft.de/amphibiensterben.pdf>

Mykotoxins, **mold poisons**, are metabolic products, which in the case of vertebrates– including the amphibians – already cause poisoning symptoms in smallest amounts. <http://de.wikipedia.org/wiki/Mykotoxin>

▪ **Halogenated hydrocarbons** <http://www.xerlebnishaft.de/kraeutertherapie.pdf>

Halogenated hydrocarbons are metabolic products, which are used in nature in very small quantities as **warfare agents**, e.g. thyroid hormones.

Disturbed cell metabolism

▪ **Aromatics** <http://www.kabilahsystems.de/polyphenole.pdf>

Aromatics are **cyclic hydrocarbons**, e.g. cholesterol, gall juice, hormones.

Irritable bowel, leaky gut, dysbiosis

▪ **Complement- (Thioester-) blocker** <http://www.xerlebnishaft.de/complement.pdf> <http://www.kabilahsystems.de/biogeneamineundpeptide.pdf>

Thioester are **sulfur containing hydrocarbons**, e.g. in the complement system.

Hormon- and neurotransmitter dysbalance

Vit.B12, D3, Se...-deficit

<http://www.xerlebnishaft.de/vitamine.pdf>

▪ **Metals, endoprostheses, fine dust, tatoos, nano particles** http://www.xerlebnishaft.de/elektro_spur_ph.pdf

Metals are **often the active centres of enzymes**. Fe, Cu, Co, Se, As, Ni, Al, Cd, Pb, Hg, Sn, Arg, Au

▪ **Electromagnetic and acoustic** in particular **fixed frequency vibrations, personally movement deficit**

Electromagnetism, warmth, chill <http://www.xerlebnishaft.de/quorum.pdf>

Noise, ultrasound, infrasound <http://www.erlebnishaft.de/infrasound.pdf>



Toxins as Co-factors in Lyme-Borreliosis

Pathogens (examples)

- Halogenated hydrocarbons
- Aromatics
<http://www.kabilahsystems.de/polyphenole.pdf>
[http://www.thelancet.com/pdfs/journals/landia/PIIS2213-8587\(16\)30275-3.pdf](http://www.thelancet.com/pdfs/journals/landia/PIIS2213-8587(16)30275-3.pdf)
- Polystyrol and Polyurethane
- Thioester-blocker <http://www.xerlebnishaft.de/immunsuppression.pdf>
- <http://www.kabilahsystems.de/biogeneamineundpeptide.pdf>
- Heavy metal http://www.xerlebnishaft.de/elektro_spur_ph.pdf
- Thin-grained dust, nanoparticles, microplastics, Asbestos a.o.
<http://www.erlebnishaft.de/alzheimerspirochaetosis.pdf>
- Electromagnetic and acoustic energy, radioactivity, movement deficit, stress
<http://www.xerlebnishaft.de/quorum.pdf>
<http://www.xerlebnishaft.de/salutogenese.pdf>

Therapy

- Avoid plastic packaging, PVC, Emulsifiers * *, „plasticizer problem“, Benzene ...
- Avoid styropor in living rooms
- Avoid cytostatics and carcinogens
- avoid excessive intake of antioxydants
- Chelat-Therapy <http://www.kabilahsystems.de/entgiftung.pdf>
- Avoid ...
- Keep distance because intensity of radiation decreases with the square of distance, "radiation hygiene". Stay in physical and mental movement.



Threadworms (Nematoda)

Microfilaria, threadworms, dwarf threadworms, askarides

<http://www.xerlebnishaft.de/mikrofilarien.pdf> <http://www.xerlebnishaft.de/eosinophilie.pdf>

Family	Nanometer (10 ⁻⁹ meters)	Mode	Appearances
Metazoans			
Symbiogenetic Organisms	>500.000.000	With Zell nucleus (Eukaryonts ; Plants, Animals), the milieu, Self-nonsel - Danger model	Liveliness

An infection with nematodes as co-infection has not been described in case of Lyme-Borreliosis

MacDonald A London Lecture (2016) « Multiple Sclerosis is a Neural Larval Migrans Illness » <https://vimeo.com/166688480>

[INNES JR, SHOHO C](#) (1952) Nematodes, nervous disease, and neurotropic virus infection; observations in animal pathology of probable significance in medical neurology. *Br Med J.* 2(4780), 366-8. PMID: [14944823](#) PMCID: [PMC2021051](#)

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

[INNES JR, SHOHO C](#) (1953) Cerebrospinal nematodiasis: focal encephalomyelomalacia of animals caused by nematodes (*Setaria digitata*); a disease which may occur in man. *AMA Arch Neurol Psychiatry.* 70(3), 325-49. PMID: [13079357](#)

<http://www.ncbi.nlm.nih.gov/pubmed/13079357>



Threadworms as Co-pathogens in Lyme

Pathogens (examples)

- Dwarf threadworm, *Strongyloidiasis stercoralis*
- *Trichinella spiralis*
- Roundworm, *ascaris*
- other threadworms (Nematoda)
- *Baylisascaris procyonis*
- *Toxocara canis*
- *Toxocara cati*
- *Dirofilariosis* (Heartworm)

Woche	Tag	Labor	Azithromycin	Minocyclin	Artemisia	Delimmun	Mebendaz.
1	Mo		1 - 0 - 0		2 - 0 - 2		Mebendazol
	Die		1 - 0 - 0		2 - 0 - 2		
	Mi				2 - 0 - 2		
	Do		1 - 0 - 0		2 - 0 - 2		
	Fr				2 - 0 - 2		
	Sa		1 - 0 - 0		2 - 0 - 2		
	So				2 - 0 - 2		
2	Mo	<u>Blut,</u> <u>EKG,</u> <u>Sono</u>	1 - 0 - 0	½ - 0 - 0			1 - 0 - 1
	Die			½ - 0 - 0			1 - 0 - 1
	Mi		1 - 0 - 0	½ - 0 - 0			1 - 0 - 1
	Do			½ - 0 - ½	2 - 0 - 2		
	Fr				2 - 0 - 2		
	Sa				2		
	So				2		
3	Mo				2 - 0 - 2		
	Die			½ - 0 - 1	2 - 0 - 2		
	Mi		1 - 0 - 0	1 - 0 - 1	2 - 0 - 2		
	Do			1 - 0 - 1	2 - 0 - 2		

Antibiotics + Probiotics +
Metabolism supportives +
Physiotherapy, all at the same
time!

Please observe standard dosage and instructions leaflet

Therapy <http://www.xerlebnishaft.de/mikrofilarien.pdf>

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

Azithromycin+Minocycline+Artemisia annua intense+Mebendazol (or Ivermectin)



Self-organization, Immunology, Symbiosis



Self-organization, Immunology, Symbiosis

Humans are created from the **infection of an egg with a single sperm.**

Patterns of liberating beings are taken together symbiotically in this way.

Free living bacteria a.o.	Symbionts of the eucaryote cells, which were integrated into the nucleus of their host, the so-called endosymbionts
α -Proteobakteria, rickettsia	Mitochondria ~ nucleus
Blue algae	Chloroplasts ~ nucleus
Spirochaetae	Zytoskeleton ~ Zentriol-kinetosome ~ nucleolinus http://www.quantumconsciousness.org/
Spermium	Complex creatures

We're already in it

Endosymbiont theory <http://www.fsbio-hannover.de/oftheweek/257.htm>

Hydrogen-hyopthesis <http://www.fsbio-hannover.de/oftheweek/262.htm>

Symbiogenesis <http://www.erlebnishaft.de/symbiogenese.pdf>

Symbiogenesis is the fusion of two or more different organisms in a single new organism.



Self-organization, Immunology, Symbiosis

A person consists of 1 to 10% of his own cells, Zellen, **90 to 99% are sub-tenants**, obligate intracellular or extracellular or facultatively intracellular
Virus species, bacteria, archaea, fungi, etc.

Obligate intracellular pathogens	Facultative intracellular pathogens
Chlamydia spp, Coxiella burnetii, Ehrlichia spp, Erwinia spp, Rickettsia spp, Parachlamydia spp Mycobakterium leprae, Tropheryma Whipplei, Waddlia etc. Midichloria mitochondrii http://www.xerlebnishaft.de/mitochondrien.pdf	Borrelia spp, Treponemen, Leptospiren, Bartonellen, Mycoplasmen, Brucella spp, Legionella spp, Listeria spp, Mycobacterium spp, Neisseria spp, Salmonella spp, Shigella spp, Yersinia spp, Babesia spp, Toxoplasma, Protomyxzoa spp, Trypanosomen, Streptokokken spp, Candida etc.

We also want to go inside!

100 times more play bacterial genes in a person's life a role than their own genes. Bakteria offer protection <http://www.kabilahsystems.de/probiotika.pdf>. A few of them, however, also cause illnesses when they are in majority.

https://www.ted.com/talks/bonnie_bassler_on_how_bacteria_communicate



Self-organization, Immunology, Symbiosis

Not the infection with a pathogen or the contamination with a toxin but the **threat to the cohesion**, the endangering of the immunological balance of the host makes the disease.

T Görnitz: **Protyposis**, „the actual basic substance of all being“. https://books.google.de/books?id=Zi-yLvGFelEC&pg=PA18&lpg=PA18&dq=protyposis&source=bl&ots=uF-FIAvdQ&sig=gHV_T-zF9nRR3G3G9OWsNqgwq_A&hl=de&sa=X&ved=0ahUKEwi8gvHbv9rQAhWDF5oKHRzUCoQQ6AEIQTAG#v=onepage&q=protyposis&f=false

Danger model of immunology http://www.erlebnishaft.de/danger_model.pdf

http://www.xerlebnishaft.de/bakt_pathogenitaetsfaktoren.pdf

<http://www.xerlebnishaft.de/defizienzspektrum.pdf>

Examples of dangers - defense, spec. self organisation - mechanisms

Complement system <http://www.xerlebnishaft.de/complement.pdf> **P53 etc.** <http://www.erlebnishaft.de/p53.pdf>

Cytokines, Chemokines <http://www.kabilahsystems.de/antizyt-chem.pdf> http://www.xerlebnishaft.de/kommentinhalt_zell.pdf

Xenoautophagie <http://www.xerlebnishaft.de/xenoautophagie.pdf> <http://www.xerlebnishaft.de/lysosomotropika.pdf>

NA-Methylation <http://www.xerlebnishaft.de/bildmethyl-arginin.pdf> <http://www.erlebnishaft.de/methylierung.pdf>

DNA-repair <https://de.wikipedia.org/wiki/DNA-Reparatur>

MicroRNAs <http://www.xerlebnishaft.de/krebsstammzelltherapie.pdf>

Chaperones http://www.xerlebnishaft.de/endo_reticulum.pdf

Ph-level, elektrolytes, vitamins, hormons <http://www.kabilahsystems.de/ph.pdf> http://www.xerlebnishaft.de/elektro_spur_ph.pdf <http://www.xerlebnishaft.de/vitamine.pdf>

<http://www.kabilahsystems.de/biogeneamineundpeptide.pdf> <http://www.kabilahsystems.de/polyphenole.pdf>

Antibodies <https://de.wikipedia.org/wiki/Antik%C3%B6rper> **Virulence inhibitors** http://www.kabilahsystems.de/virulenz_inhibitoren.pdf

Heat, phagocytosis, neutrophil extracellular traps <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4811905/>

Anticoagulation <http://www.kabilahsystems.de/hyperkoagulation.pdf>

Concertante resonance theory

https://books.google.de/books/about/Symphonie_des_Lebendigen.html?id=ABsSAAAACAAJ&source=kp_cover&redir_esc=y



Self-organization, Immunology, Symbiosis

In practice Borrelia is never found as the sole cause of Lyme borreliosis.

Numerous different infective exciters and toxins are always found in an

immundeficient host. <http://www.xerlebnishaft.de/infektursachenspektrum.pdf>

<http://www.kabilahsystems.de/ph.pdf> http://www.erlebnishaft.de/TLR2_1_3_7_13.pdf

http://www.erlebnishaft.de/danger_model.pdf

http://www.xerlebnishaft.de/gen_dynamik.pdf

Only in community we are strong

Virus species and CWD's, persister variants of bacteria (e.g. plasmids), may integrate into the genome of their host organism, e.g. in the **memory cells.**

If you do not like us, we will only remain in your memory

On the next occasion, there is a disease relapse

Or we'll make you chronically ill at the same time



Self-organisation, Immunology, Symbiosis

Laboratory values contribute only to the detection of infection or poisoning, they do not make any statement about the existence and extent of a disease.

Laboratory values and **imaging methods** serve as labels. They serve for orientation and communication, but ultimately not for the diagnosis for the individual patient. The actual disease relationships in the individual patients remain in the dark every time!



Self-organization, Immunology, Symbiosis

When diagnosing whether sick or healthy the only question is:
Do you feel sick?

„Never touch a running system“.



Liveliness

What keeps us healthy

Dark matter (kosmology), Zero quantum, Number symbolism und Structure (biology)

<https://www.youtube.com/watch?v=e3AcrT8aSto> <http://www.hausarbeiten.de/faecher/vorschau/80450.html>

Dark energy (kosmology), Liveliness - Self organization - Morphogenesis:

5. Law of Thermodynamics, the Phanes Sound Theorem (biology) page 5

<https://www.youtube.com/watch?v=kjWbusZQaC0> <https://www.youtube.com/watch?v=w--HSMzMA-w>

<http://www.grin.com/de/e-book/71284/lebendigkeit-selbstorganisation-morphogenese-5-hauptsatz-der-thermodynamik>

What we can do for it

Nukleotide protection, page 7 <http://www.xerlebnishaft.de/lebendigkeit01.pdf>

Bakteria reversio therapy, page 14 <http://www.xerlebnishaft.de/lebendigkeit02.pdf>

Biofilm therapy, page 25 <http://www.xerlebnishaft.de/lebendigkeit03.pdf>

Antibiotic therapy, pages 7, 15, 16, 17, 21, 23, 31

Inner and outer milieu, „detoxification“ therapy, pp. 29, 28, 7, 15, 16, 17, 21, 23, 31



Cavete Diagnoses



Cavete – Diagnoses

<http://www.latein.me/latein/cavete>

What we think about

„Between the correct and the missed diagnoses still belongs an intermediate group of diagnoses, the „Cavete“ diagnoses.

The concept of **cavete diagnoses** was introduced by G. v. Bergmann, Charité Berlin, 1928 and 1932 for diagnoses, that are „so often confusion diagnoses and that must be drastically reduced in frequency““.

Gross R (2013) [Medizinische Diagnostik — Grundlagen und Praxis](#) http://www.erlebnishaft.de/cavete_diagnosen.pdf

https://books.google.de/books?id=HDGnBgAAQBAJ&pg=PA168&lpg=PA168&dq=cavete+diagnosen&source=bl&ots=FdSYqwuxP8&sig=08S_n5XV6ZIIEkf7ZkPLf_LD-x0&hl=de&sa=X&ved=0ahUKEwi2iMqsqfXPAhXMDxoKHxuTCQcQ6AEILDAD#v=onepage&q=cavete%20diagnosen&f=false



Cavete – Diagnoses

Cavete Diagnoses are found in all branches of medicine

<http://www.erlebnishaft.de/kommentalternativ.pdf>

- **Vegetative and psychosomatic**
- **Dermatologically**
- **Neurologically, psychiatric**
- **Rheumatologically**
- **Endokrinologically**
- **Pneumological**
- **Gastroenterological**
- **Nephrological**
- **Hematologically, angiologically, Cardialogically**
- **Pregnancy / sexuality and infiltrative, destructive, tumors**

Cavete Diagnoses associated with Lyme-Borreliosis, co-pathogens and toxins



Cavete–Diagnoses + Lyme-Borreliosis + Co-infections

- **Vegetative, psychosomatic**

- CFS (Chronic fatigue syndrom, Chronische Müdigkeit ohne Schmerzen), ME (myalgic encephalomyelitis)
http://www.erlebnishaft.de/chronic_fatigue.pdf

- **Dermatologically**

- Morgellons disease <http://www.erlebnishaft.de/morgellonsdisease.pdf>
- Lupus erythematodes, Mycosis fungoides <https://www.ncbi.nlm.nih.gov/pubmed/27393975>, Linear IgA disease, Alopecia <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4387695/>, Erythema migrans, Livedo racem., Erysipel, Lichen sclerosus et atrophicus http://www.erlebnishaft.de/lichen_sclerosus.pdf, Akrodermatitis chron.atroph.(ACA), Skleroderma



Cavete–Diagnoses + Lyme-Borreliosis + Co-infections

▪ Neurologically and psychiatric

- Sense organs, movement and consciousness <http://www.xerlebnishaft.de/zytoskelett.pdf>
- ENT-diseases http://www.xerlebnishaft.de/hoeren_und_spirochaeten.pdf
 - Angina plaut vinzent, actinomycosis <http://www.xerlebnishaft.de/aktinomykose.pdf>
- Eye diseases http://www.xerlebnishaft.de/lyme_augenbefall.pdf
- Multiple Sklerosis <http://www.erlebnishaft.de/multipleskleroseborreliose.pdf>
- Amyotrophic lateral sklerosis (ALS) <http://www.xerlebnishaft.de/als.pdf>
- Dementia, Alzheimer s disease, Parkinson s disease <http://www.erlebnishaft.de/alzheimerspirochaetosis.pdf>
- Creutzfeldt – Jakob – disease etc. <http://www.erlebnishaft.de/prione.pdf>
- Neurological patients http://www.xerlebnishaft.de/neurologische_patienten.pdf
- Psychiatric patients http://www.erlebnishaft.de/psychiatric_patients.pdf
- ADHS (attention deficit hyperactivity disorder), autism http://www.xerlebnishaft.de/autismus_und_lyme.pdf, „Broader Autism Phenotype“ (BAP), Asperger s syndrome, bipolar disorder, borderline
 - Guillan Barré (Landry Guillan Barrè Strohl Syndrome), CIDP (chron. inflammator. demyelinisierende Polyneuropathy) Polyradiculoneuropathy, PANDAS (Pediatric Autoimmune Neuropsychiatric Disorders Associated with Streptococcal Infections) Parsonage-Turner Syndrom, Epillepsy <http://www.ncbi.nlm.nih.gov/pubmed/25180856>
 - Charcot Marie-Tooth (Hereditäre motorisch-sensible Neuropathie Typ I (HMSN)), Anti-NMDA-Rezeptor-Enzephalitis Polyneuritis, peripheral Nervous paralysis, Pareses, Recurrent acute aseptic meningitis



Cavete–Diagnoses + Lyme-Borreliosis + Co-infections

▪ Rheumatological

- Arthritis, Rheumatoid arthritis, Juv. idiopathic arthritis <http://www.erlebnishaft.de/arthritiden.pdf>
- Rheumatic fever, Polymyalgia rheumatica <http://vimeo.com/3154687>

▪ Endokrinologically [http://www.thelancet.com/pdfs/journals/landia/PIIS2213-8587\(16\)30275-3.pdf](http://www.thelancet.com/pdfs/journals/landia/PIIS2213-8587(16)30275-3.pdf)

- Hashimoto Thyreoiditis, Addison-disease, thyreoid function disorders, menopausal syndromes...

▪ Pneumological

- Cystic fibrosis, sarcoidosis (M. Boeck) http://www.sarcoidosis.it/data/2012/1_2012/15-yeager.pdf

▪ Gastroenterological

- Digestive tract http://www.xerlebnishaft.de/zahn_mundpflege.pdf
- Leaky gut, Colitis, Hepatitis, Cholecystitis http://www.xerlebnishaft.de/gastroent_borr.pdf



Cavete–Diagnoses + Lyme-Borreliosis + Co-infections

- **Nephrological**
 - Chronic urinary tract infection <http://www.xerlebnishaft.de/cystitis.pdf>
 - Incontinence, glomerulonephritis, prostatitis ...
- **Hämatologically**
 - Eosinophilia <http://www.xerlebnishaft.de/eosinophilie.pdf>
- **Angiological, Cardiological**
 - Micro-angiopathy, macro-angiopathy <http://www.xerlebnishaft.de/angiopathie.pdf>
 - Irritation disease, cardiomyopathy <http://www.xerlebnishaft.de/herzkrankheit.pdf>
 - Wegener s granulomatosis, Purpura Schoenlein-Hennoch
- **Pregnancy / sexuality and infiltrating, destructive tumors**
 - Sexual transferability <http://www.kabilahsystems.de/borreliensexuellschwanger.pdf>
 - Tumor, neoplasm <http://www.xerlebnishaft.de/krebsstammzelltherapie.pdf>

Thank you for your attention



Essence 2017

At levels of less than 80 nanometers, the **real world of the observers** gradually moves into the **world of quantum mechanics**, the world of self-organization, immunology, symbiosis, life, and the living cell.

Some Virus types are not harmless. Bacteria change between an original form (**frontal pathogen**) and a cell wall defective form, a virus-like form (CWD) (**stealth pathogen**).

There are only two indirect indications of fungi as co-infection in Lyme Borreliosis.

Protozoa are single-cell organisms that form **cell colonies** and can live in **biofilms**.

Biofilms are **extra- and intra – cellular layers** (films) from microorganisms, from bacteria, Virus species, archaea, protozoa, fungi and microalgae „**Cities of Microbes**“, **symbiogenetic creatures**.

Toxins are chemical substances for organisms that are not processed properly.

Nematodes have not yet been detected in Lyme-Borreliosis as co-infections.

Between the correct and the missed diagnosis there is still an intermediate group, the „**Cavete**“ **Diagnoses**. Cavete Diagnoses are associated also with Lyme-Borreliosis, other pathogens and the influence of toxins.



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