

Multiple Sclerosis

Multiple Sclerosis, myelopathies, polyneuropathies, brain tumor, encephalopathy. (Neurosurgery.1992May;30(5): 769-73)

1986 (USA): Relapsing fever/Lyme disease – Multiple sclerosis. Medical Hypotheses, volume 21, issue 3, pages 335-343

2000 (Poland): Lyme borreliosis and Multiple sclerosis: Any Connection? A Seroepidemic study. Ann Agric Environ Med. issue 7, 141-143

2001 (Norway): Association between Multiple sclerosis and Cystic Structures in Cerebrospinal Fluid. Infect 29:315

2004 (Switzerland): Chronic Lyme borreliosis at the root of Multiple sclerosis – is a cure with antibiotics attainable?

Case report: Initial diagnosis of Multiple Sclerosis

43-year-old patient, suffering since May 2005 from

- Persistent paraesthesia of the left leg
- 80% blindness of the left eye
- Progressive myalgia
- Recurrent dizziness
- Substantial loss of stamina (high risk of occupational disability)

Diagnosis by neurologists: MS

Spinal fluid and laboratory tests were negative (no Borrelia antibody AI, no chronic IgG synthesis in the form of oligoclonal bands in the spinal fluid)

Borrelia IgM/IgGELISA and Immunoblot were tested several times and found to be negative

Therapy: Corticosteroids increased her symptoms + she suffered bad side-effects from the corticosteroids

Case report: Initial findings on 26th Oct. 2005 before antibiotic treatment



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Patient:

Date of birth: Date of Reception: Date of Report: Barcode-ID: Physician:

Material: CPDA, Heparin, EDTA, Serum

Analysis	Result	Units	Reference Range
Borrelia burgdorferi antibodies (Westernblot)			
Borrelia-Blot-IgG-antibodies	negative		negative
Borrelia-Blot-IgM-antibodies	negative		negative

The specific Borrelia burgdorferi-IgG/IgM-antibodies are no indication for a humoral immune response against Borrelia burgdorferi. Please look at the results of the Borrelia-EliSpot and the CD57+cell-count.

CD 57 Flow Cytometry

CD 57 + NK-cells (%)	28	%	2-77
CD 57 + NK-cells (absolute)	- 40	/ul	100-360

The CD57-cell-count indicates a chronic immune-suppressive situation, which can be caused by Borrelia burgdorferi.

Borrelia burgdorferi EliSpot

Borrelia burgdorferi Fully Antigen	+	30	SI	< 2
Borrelia b. OSP-Mix (OSPA/OSPC/DbpA)	+	5	SI	< 2
Borrelia burgdorferi LFA-1	+	8	SI	< 2

The results of the EliSpot-Tests are an indication for an actual cellular activity against Borrelia burgdorferi.

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Case report: Borrelia EliSpot 8 weeks after Ceftriaxone IV treatment

Patient:

Date of birth: Date of Reception: Date of Report: Barcode-ID: Physician:

Material: CPDA, Heparin, EDTA, Serum

Analysis	Result	Units	Reference Range
Borrelia burgdorferi antibodies (Westernblot)			
Borrelia-Blot-IgG-antibodies	negative		negative
Borrelia-Blot-IgM-antibodies	negative		negative

The specific Borrelia burgdorferi-IgG/IgM-antibodies are no indication for a humoral immune response against Borrelia burgdorferi. Please look at the results of the Borrelia-EliSpot and the CD57+cell-count.

CD 57 Flow Cytometry

CD 57 + NK-cells (%)	28	%	2-77
CD 57 + NK-cells (absolute)	180	/ul	100-360

The CD57-cell-count indicates no chronic immune-suppressive situation.

Borrelia burgdorferi EliSpot

Borrelia burgdorferi Fully Antigen	0	SI	< 2
Borrelia b. OSP-Mix (OSPA/OSPC/DbpA)	0	SI	< 2
Borrelia burgdorferi LFA-1	0	SI	< 2

The results of the EliSpot-Tests are no indication for an actual cellular activity against Borrelia burgdorferi.

By Jan 23rd, 2006, the patient was clinically symptom-free and able to work

Correct diagnosis: Chronic Neuroborreliosis with Multiple Sclerosis-like symptoms

Multiple Sclerosis: Laboratory tests suggested

1. Borrelia SeraSpot + Borrelia EliSpot + CD57-cells
2. Chlamydia pneumonia IgG/IgA antibodies + Chlamydia pneumoniae EliSpot
3. Mycoplasma pneumoniae IgG/IgA antibodies
4. Bartonella IgG/IgM antibodies
5. Coxsackie Virus IgG/IgA antibodies
6. EBV EliSpot
7. CMV EliSpot
8. HHV6 IgG/IgM antibodies

**"90% of chronic fatigue patients
are Lyme positive."**

(Informal study by American Lyme Disease
Alliance at www.lymealliance.org)

CFS / ME

1. Borrelia-SeraSpot + Borrelia-EliSpot + CD57-cells
2. Chlamydia pneumoniae IgG/IgA antibodies + Chlamydia pneumoniae EliSpot
3. Mycoplasma pneumoniae IgG/IgA antibodies
4. Bartonella IgG/IgM antibodies
5. Parvovirus B19 IgG/IgM antibodies
6. Coxsackie Virus IgG/IgA antibodies
7. EBV EliSpot
8. CMV EliSpot
9. Herpes Simplex Virus 1 / 2 IgG/IgA/IgM antibodies + Herpes simplex Virus EliSpot
10. HHV 6-IgG/IgM antibodies

Alzheimer's Disease

“Pure Lyme dementia exists and has a good outcome after antibiotics. It is advisable to do Lyme serology in demented patients.2

(Blank et al.: Journal of Alzheimer's disease, Volume 4/2014, 1087-1093)

Alzheimers / Dementia

1. Borrelia SeraSpot + Borrelia-EliSpot + CD57 cells
2. Chlamydia pneumoniae IgG/IgA antibodies + Chlamydia pneumoniae EliSpot
3. Mycoplasma pneumoniae IgG/IgA antibodies
4. Coxsackie Virus IgG/IgA antibodies
5. Herpes simplex virus 1 / 2 IgG/IgA/IgM antibodies + Herpes simplex virus EliSpot
6. EBV EliSpot
7. CMV EliSpot

Parkinsonism

"Borrelia can cause Parkinsonism"
(Arch.of Path.& Lab.Med.127(9):1204-6)

Parkinsonism

1. Borrelia SeraSpot + Borrelia EliSpot + CD57 cells
2. Chlamydia pneumoniae IgG/IgA antibodies + Chlamydia pneumoniae EliSpot
3. Mycoplasma pneumoniae IgG/IgA antibodies
4. Bartonella IgG/IgM antibodies
5. Coxsackie Virus IgG/IgA antibodies
6. EBV EliSpot
7. CMV EliSpot

Autism

“20 - 30% of autistic disorders can be caused by Borrelia and 58% by Mycoplasma”
(Bransfield et al.: Med Hypotheses 2008; 70(5):967-74)

Autism

1. Borrelia SeraSpot + Borrelia-EliSpot + CD57-cells
2. Chlamydia pneumoniae IgG/IgA antibodies + Chlamydia pneumoniae EliSpot
3. Mycoplasma pneumoniae IgG/IgA antibodies
4. Bartonella IgG/IgM antibodies
5. Coxsackie Virus IgG/IgA antibodies
6. EBV EliSpot
7. CMV EliSpot
8. ASL titer

Multiple symptoms = Multiple infections



MULTIPLE SYMPTOMS = MULTIPLE INFECTIONS

Symptom selection	"Chronic Lyme disease" is an multi infectious disease at a immuno-weakened host										
	Borrelia	Chl. pneumoniae	Chl. trachomatis	Mykoplasma	Bartonella	Ehrlichia	Rickettsia	Yersinia	Babesia	EBV virus	Coxsackie virus
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
limbs, tendon pain	■	■	■	■	■	■	■	■	■	■	■
muscle pain	■	■	■	■	■	■	■	■	■	■	■
joint pain	■	■	■	■	■	■	■	■	■	■	■
memory- concentration problems	■	■	■	■	■	■	■	■	■	■	■
headache	■	■	■	■	■	■	■	■	■	■	■
nausea, vomiting	■	■	■	■	■	■	■	■	■	■	■
encephalitis	■	■	■	■	■	■	■	■	■	■	■
fatigue, exhaustion	■	■	■	■	■	■	■	■	■	■	■
feverish feeling	■	■	■	■	■	■	■	■	■	■	■
chills, tremors	■	■	■	■	■	■	■	■	■	■	■
flu symptoms	■	■	■	■	■	■	■	■	■	■	■
stomach ache	■	■	■	■	■	■	■	■	■	■	■
diarrhea	■	■	■	■	■	■	■	■	■	■	■
jaundice	■	■	■	■	■	■	■	■	■	■	■
Increased liver values	■	■	■	■	■	■	■	■	■	■	■
enlargement of the spleen	■	■	■	■	■	■	■	■	■	■	■
dark urine	■	■	■	■	■	■	■	■	■	■	■
urination with itching	■	■	■	■	■	■	■	■	■	■	■
deteriorated seeing	■	■	■	■	■	■	■	■	■	■	■
heart problems	■	■	■	■	■	■	■	■	■	■	■
cough	■	■	■	■	■	■	■	■	■	■	■
pneumonia	■	■	■	■	■	■	■	■	■	■	■
anemia	■	■	■	■	■	■	■	■	■	■	■
rash	■	■	■	■	■	■	■	■	■	■	■
Skin bleeding	■	■	■	■	■	■	■	■	■	■	■
lymphadenopathy	■	■	■	■	■	■	■	■	■	■	■
suppurating tonsils, dental probl.	■	■	■	■	■	■	■	■	■	■	■

The coinfections checklist for patients, developed by Dr. Schwarzbach



Coinfections-Checklist

Name, first name Date (DD/MM/YYYY)

▶	Actual and former symptoms Please mark with a cross	X	Score-Points (filled in by physician/naturopath)	Ranking
1	Stomach ache, gut problems		Ehrlichia:	
2	Anaemia		Babesia:	
3	Diarhoea intermittent		Rickettsia:	
4	Fever or feverish feeling		Bartonella:	
5	Lack of concentration, memory disturbance, forgetfulness		Chl.pneumoniae:	
6	Encephalitis/Inflammation of the brain (NMR)		Chl.trachomatis:	
7	Yellowish colour of the skin/eyes		Yersinia:	
8	Painful joints, swollen joints		Mykoplasma:	
9	General aches and pains, tendon problems		Coxsackie-Virus:	
10	Flu-like symptoms intermittent		EBV/CMV:	
11	Rash(es)			
12	Small red/purple spots of the skin			



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Evaluation template for therapists, developed by Dr. Schwarzbach



Coinfections Evaluation Template

	Ehrlichia	Babesia	Rickettsia	Bartonella	Chlamidia pneumoniae	Chlamydia trachomatis	Yersinia	Mycoplasma	Coxsackie-Virus	Epstein-Barr-Virus



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Coinfections checklist: Patient 1

B.C.

Name, First name

15th Oct. 2010

Date

▶	Symptoms - Please tick the appropriate symptoms (to be filled in by the patient)	X	Score-Points (to be filled in by the physician)	Ranking
01	Stomach-ache	X	Ehrlichia: 5	4
02	Anaemia		Babesia: 5	4
03	Diarhoea		Rickettsia: 5	4
04	Fever or feverish feeling	X	Bartonella: 6	3
05	Lack of concentration, memory disturbance, forgetfulness	X	Chl.pneumoniae: 8	1
06	Encephalitis (Inflammation of the brain)		Chl.trachomatis: 3	6
07	Yellowish colour of the skin (Jaundice)	X	Yersinia: 4	5
08	Painful joints	X	Mykoplasma: 7	2
09	General aches and pains	X	Coxsackie-Virus: 7	2
10	Flu-like symptoms	X	EBV: 6	3
11	Rash			
12	Petechiae			
13	Heart-problems	X		
14	Cough			
15	Headache	X		
16	Impaired liver function/ liver parameters			
17	Pneumonia			
18	Swollen or inflamed lymph nodes			
19	Tonsilitis			
20	Enlargement of the spleen (Splenomegaly)			
21	Fatigue / exhaustion	X		
22	Muscle pain	X		
23	Shivering	X		
24	Blurred vision			
25	Nausea, vomiting	X		
26	Dark urine	X		
27	Painful or ichty urinating			

Laboratory results: Patient 1

	Results	Reference range
Borrelia burgdorferi antibodies		
Borrelia IgG Immunoblot	positive Bands: p39+,p41+,p83+,p58+,p83+,LBb+, VlsE-Bg+, VlsE-Bb+,VlsE-Ba+	negative
Borrelia IgM Immunoblot	negative	negative
Elispot-LTT Borrelia		
Borrelia Full Antigen	+ SI >3	< 2
Borrelia Peptide Mix	+ SI 4	< 2
Borrelia LFA-1	SI 2	< 2
CD3/CD57 NK cells	- 49 /ul	>100 /ul
Chlamydia pneumoniae antibodies		
Chl. pneumoniae IgG EIA*	+ 71.3 RE/ml	< 16.0 = neg.
Chl. pneumoniae IgA EIA*	+ 2.29 ratio	< 0.8 = neg.
Elispot LTT Chlamydia pneumoniae		
Chlamydia pneumoniae	+ SI 46	< 2

* Enzyme immunoassay

Coinfections checklist: Patient 2

A.K.
Name, First name

27th March 2011
Date

▶	Symptoms - Please tick the appropriate symptoms (to be filled in by the patient)	X	Score-Points (to be filled in by the physician)	Ranking
01	Stomach-ache		Ehrlichia: 3	3
02	Anaemia		Babesia: 3	3
03	Diarhoea		Rickettsia: 3	3
04	Fever or feverish feeling	X	Bartonella: 4	2
05	Lack of concentration, memory disturbance, forgetfulness		Chl.pneumoniae: 5	1
06	Encephalitis (Inflammation of the brain)		Chl.trachomatis: 3	3
07	Yellowish colour of the skin (Jaundice)		Yersinia: 2	4
08	Painful joints	X	Mykoplasma: 5	1
09	General aches and pains	X	Coxsackie-Virus: 4	2
10	Flu-like symptoms	X	EBV: 3	3
11	Rash			
12	Petechiae			
13	Heart-problems			
14	Cough			
15	Headache			
16	Impaired liver function/ liver parameters			
17	Pneumonia			
18	Swollen or inflamed lymph nodes			
19	Tonsillitis			
20	Enlargement of the spleen (Splenomegaly)			
21	Fatigue / exhaustion	X		
22	Muscle pain	X		
23	Shivering			
24	Blurred vision			
25	Nausea, vomiting			
26	Dark urine			
27	Painful or ichty urinating			

Laboratory results: Patient 2

	Results	Reference range
Borrelia burgdorferi antibodies		
Borrelia IgG Immunoblot	negative	negative
Borrelia IgM Immunoblot	positive	negative
	Bands: OspC-Bg/Bb/Ba+, p41+	
Borrelia burgdorferi Elispot-LTT		
Borrelia full antigen	+ SI 27	< 2
Borrelia peptide mix	SI 1	< 2
Borrelia LFA-1	SI 3	< 2
CD3/CD57 NK cells	- 41 /ul	>100 /ul
Chlamydia pneumoniae antibodies		
Chl. pneumoniae IgG EIA	+ 119.0 RE/ml	< 16.0 = neg.
Chl. pneumoniae IgA EIA	+ 1.62 ratio	< 0.8 = neg.
Chlamydia pneumoniae Elispot-LTT		
Chlamydia pneumoniae	+ SI 10	< 2
Mycoplasma pneumoniae antibodies		
Mycoplasma pn. IgG EIA	+ 71.1 RE/ml	< 22
Mycop. pneumoniae IgA EIA	+ 1.2 ratio	< 1.1
Ehrlichia Elispot-LTT		
Ehrlichia	+ SI 3	< 2

Coinfections checklist: Patient 3

F.H.
Name, First name

12th Apr. 2011
Date

▶	Symptoms - Please tick the appropriate symptoms (to be filled in by the patient)	X	Score-Points (to be filled in by the physician)	Ranking
01	Stomach-ache		Ehrlichia: 6	3
02	Anaemia		Babesia: 4	5
03	Diarhoea		Rickettsia: 4	5
04	Fever or feverish feeling		Bartonella: 3	6
05	Lack of concentration, memory disturbance, forgetfulness	X	Chl.pneumoniae: 8	1
06	Encephalitis (Inflammation of the brain)		Chl.trachomatis: 3	6
07	Yellowish colour of the skin (Jaundice)		Yersinia: 2	7
08	Painful joints	X	Mykoplasma: 7	2
09	General aches and pains	X	Coxsackie-Virus: 3	4
10	Flu-like symptoms		EBV: 3	6
11	Rash			
12	Petechiae			
13	Heart-problems	X		
14	Cough	X		
15	Headache	X		
16	Impaired liver function/ liver parameters			
17	Pneumonia			
18	Swollen or inflamed lymph nodes			
19	Tonsillitis			
20	Enlargement of the spleen (Splénomegaly)			
21	Fatigue / exhaustion	X		
22	Muscle pain	X		
23	Shivering	X		
24	Blurred vision			
25	Nausea, vomiting			
26	Dark urine			
27	Painful or ichty urinating			

Laboratory results: Patient 3

	Results	Reference range
Borrelia burgdorferi antibodies		
Borrelia IgG Immunoblot	negative	negative
Borrelia IgM Immunoblot	negative	negative
Borrelia burgdorferi Elispot-LTT		
Borrelia full antigen	+ SI 27	< 2
Borrelia peptide mix	+ SI 7	< 2
Borrelia LFA-1	SI 1	< 2
CD3/CD57 NK cells	- 96 /ul	>100 /ul
Chlamydia pneumoniae antibodies		
Chl. pneumoniae IgG EIA	+ 46.8 RE/ml	< 16.0 = neg.
Chl. pneumoniae IgA EIA	0.35 ratio	< 0.8 = neg.
Chlamydia pneumoniae Elispot-LTT		
Chlamydia pneumoniae	+ SI 13	< 2
Ehrlichia Elispot-LTT		
Ehrlichia	+ SI 24	< 2
ANA (EIA)	+ 43.9 units	< 20

Coinfections checklist: Patient 4

B.C.
Name, First name

15th Oct. 2010
Date

▶	Symptoms - Please tick the appropriate symptoms (to be filled in by the patient)	X	Score-Points (to be filled in by the physician)	Ranking
01	Stomach-ache	X	Ehrlichia: 5	4
02	Anaemia		Babesia: 5	4
03	Diarhoea		Rickettsia: 5	4
04	Fever or feverish feeling	X	Bartonella: 6	3
05	Lack of concentration, memory disturbance, forgetfulness	X	Chl.pneumoniae: 8	1
06	Encephalitis (Inflammation of the brain)		Chl.trachomatis: 3	6
07	Yellowish colour of the skin (Jaundice)	X	Yersinia: 4	5
08	Painful joints	X	Mykoplasma: 7	2
09	General aches and pains	X	Coxsackie-Virus: 7	2
10	Flu-like symptoms	X	EBV: 6	3
11	Rash			
12	Petechiae			
13	Heart-problems	X		
14	Cough			
15	Headache	X		
16	Impaired liver function/ liver parameters			
17	Pneumonia			
18	Swollen or inflamed lymph nodes			
19	Tonsilitis			
20	Enlargement of the spleen (Splenomegaly)			
21	Fatigue / exhaustion	X		
22	Muscle pain	X		
23	Shivering	X		
24	Blurred vision			
25	Nausea, vomiting	X		
26	Dark urine	X		
27	Painful or ichty urinating			

Laboratory test results: Patient 4

		Results	Unit	Reference range
Borrelia burgdorferi antibodies (ELISA)				
Borrelia IgG antibodies (ELISA)	+	71.9	RU/ml	< 16=neg. >22.0=pos.
Borrelia IgM antibodies (ELISA)		4.72	RU/ml	< 16=neg. >22.0=pos.
Borrelia burgdorferi antibodies (immunoblot)				
Borrelia Blot IgG antibodies	+	positive		negative
		Bands: OspC (+), p41 +, VlsE-Bb +		
Borrelia Blot IgM antibodies		negative		negative
Borrelia burgdorferi EliSpot				
Borrelia burgd. full antigen	+	4	SI	< 2
Borrelia OSP mix (OSPA/OSPC/DbpA)	+	3	SI	< 2
Borrelia LFA-1		1	SI	< 2
Yersinia antibodies				
Yersinia IgG antibodies (EIA)	+	1.9	ratio	< 0.8=neg.; >1.1=pos.
Yersinia IgA antibodies (EIA)	+	8.6	ratio	< 0.8=neg.; >1.1=pos.

Laboratory test results: Patient 4

		Results	Unit	Reference range
Yersinia EliSpot				
Yersinia EliSpot	+	20	SI	< 2
Chlamydia pneumoniae antibodies				
Chlam.pneum. IgG antibodies (ELISA)	+	1.2	ratio	< 0.8=neg.; >1.1=pos.
Chlam.pneum. IgA antibodies (ELISA)	+	3.5	ratio	< 0.8=neg.; >1.1=pos.
Chlamydia pneumoniae EliSpot				
Chlamydia pneumoniae EliSpot	+	18	SI	< 2
Mycoplasma pneumoniae antibodies				
Mycoplasma pneumoniae IgG (EIA)	+	1.1	ratio	< 0.8=neg.; >1.1=pos.
Mycoplasma pneumoniae IgM (EIA)		0.3	ratio	< 0.8=neg.; >1.1=pos.
Mycoplasma pneumoniae IgA (EIA)	+	2.0	ratio	< 0.8=neg.; >1.1=pos.
Cytomegalovirus				
Cytomegalovirus IgG antibodies (EIA)	+	3.7	ratio	< 0.8=neg.; >1.1=pos.
Cytomegalovirus IgM antibodies (EIA)		0.3	ratio	< 0.8=neg.; >1.1=pos.
Cytomegalovirus EliSpot				
CMV EliSpot	+	4	SI	<2

Laboratory test results: Patient 4

		Results	Unit	Reference range
Coxsackie-Virus antibodies				
Coxsackie Virus IgG Type B1 (IFT)	+	1:400	titer	< 1:100
Coxsackie Virus IgA Type B1 (IFT)	+	1:100	titer	< 1:10
Rickettsia antibodies				
Rickettsia rickettsii IgG antibodies	+	1:256	titer	< 1:64
Rickettsia typhi IgG antibodies		< 1:64	titer	< 1:64
Epstein-Barr-Virus antibodies				
EBV-CA IgG antibodies (EIA)	+	7.1	ratio	< 0.8=neg; >1.1=pos
EBV-EBNA antibodies (EIA)	+	4.2	ratio	< 0.8=neg; >1.1=pos
EBV-CA IgM antibodies (EIA)		0.4	ratio	< 0.8=neg; >1.1=pos
Epstein-Barr Virus EliSpot				
EBV-EliSpot (lytic)	+	17	SI	< 2
EBV-EliSpot (latent)	+	8	SI	< 2
CD 57 flow cytometry				
CD 57 positive NK cells	-	37	/µl	100-360

Summary Patient 4

Coinfections checklist (symptoms):

Multiple infections with

Borrelia burgdorferi + Chlamydia pneumoniae + Mycoplasma pneumoniae + Coxsackie virus + Epstein Barr Virus + Rickettsia + Yersinia

Laboratory test results:

Multiple infections with

Borrelia burgdorferi + Chlamydia pneumoniae + Mycoplasma pneumoniae + Coxsackie-Virus + Epstein Barr Virus + Rickettsia rickettsii + Yersinia + Cytomegalovirus

Complementary therapy options: for example...

A) Lee Cowden Protocol against viruses

Takuna + Burbur-Pinella + Samento + Serrapeptase:

"For Coxsackie, EBV and CMV Dr. Cowden recommends the Cowden Support Programme (CSP) plus Takuna. For patients with high viral loads he recommends 30 drops of Takuna 4 times daily or 30 drops 2 times per day for patients with lower viral loads."

B) Nutrined Program against bacteria and viruses

1. Multimessenger
2. Artemisinin SOD
3. ATP Fuel
4. Transfer Factor Lym Plus (against Lyme, bacteria and viruses)
5. Messenger N1 (against Mycoplasma/Chlamydia and viruses)
6. Lumbrokinase (against biofilms)

How to obtain ArminLabs tests in the UK

- The Academy of Nutritional Medicine is the hub for ArminLabs tests in the UK. Please visit the ArminLabs tab on their webpage www.aonm.org
- The tab is: <http://www.aonm.org/Armin%20Labs>
- Their number is 03331 210 305
- They will advise you, arrange for a blood draw if requested, arrange a courier of the bloods to Germany, etc.

Thank you very much for your attention!



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