

THE NEUROPSYCHIATRIC LYME ASSESSMENT

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Symbols:

- + Symptom/Syndrome Present
- = Sub-Syndromal
- Symptoms Not Present
- ? Unknown
- 0 Not Applicable or Available
- * High Diagnostic Significance
- # Uncommon Symptoms

Column Headers:

- PB - Premorbid Baseline
- CI - Present in Course of Illness
- C - Current
- S - Subsequent Visits

DATABASE ITEMS:

- BBI - Baseline before illness
- DB1 - Diagnosis based on Clinical Symptoms & Positive Western Blot
- DB2 - Diagnosis based on Clinical Symptom & Other Criteria I.e.: LUAT, PCR etc.

Patient Name:	
Date of Birth:	
Current Age:	
Date:	
Date of Infection:	
Date of LD Diagnosis:	
Date Treatment Started:	
History Exposure to Endemic Area:	
History of Tick Bite(s):	
History Erythema Migrans Rash:	
 With Flu-like Symptoms:	
Recurrent Erythema Migrans Rash:	
Lab Findings:	
Other Diagnoses Considered:	
Pre-Existing Psychiatric Illness:	
Pre-Existing Physical Illness:	

Cognitive Symptoms

DATABASE

The cognitive symptoms associated with Lyme disease can best be described as a slowness, weakness and inaccuracy of associations. Sample questions are included.

BBI	DB1	DB2	PB	CI	C	S
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Attention Span (Perception): The ability to focus and maintain attention on the environment

Sustained Attention

? Can you sustain your attention upon significant events in your environment?

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Allocation of Attention

? Can you prioritize and allocate your attention upon the most significant perceptions of your environment?

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Distracted by Frustration

? Do you easily lose your capacity for attention when frustrated?

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Distracted by Hyperacuity

? Are you easily distracted from excessive sensitivity to any of the following:

- *Auditory
- Visual
- Tactile
- Olfactory

Memory

DATABASE

	BBI	DB1	DB2	PB	CI	C	S
*Working Memory <i>? Can you retain information long enough to complete problem solving?</i>							
*Working Spatial Memory <i>? Can you retain awareness of structures in your surrounding space?</i>							
Recent Memory <i>? Can you retain information for brief periods of time (min/hrs)?</i>							
Remote Memory <i>? Can you recall information learned in prior years?</i>							
Encoding Errors <i>? Is information stored correctly?</i>							
Memory Retrieval *Slowness of Retrieval <i>? Is there a slowness retrieving:</i>							
Words							
Numbers							
Names							
Faces							
Motor Sequences (i.e.: recalling how to tie your shoes...)							
Geographical/Spatial (i.e.: driving to the store, etc.)							
Sequential Memory Letter Reversals <i>? Do you reverse the sequence of letters in words?</i>							
Spelling Errors <i>? Do you have a decreased ability to spell correctly?</i>							
Word Substitution Errors <i>? Do you insert the opposite, closely related or wrong word in a sentence?</i>							
Number Reversals <i>? Do you reverse numbers when writing a phone number?</i>							

Processing cont'd...

DATABASE						
BBI	DB1	DB2	PB	CI	C	S

Depersonalization <i>? Is there a loss of contact w/ith your physical existance?</i>						
Derealization <i>? Is there a loss of feeling of reality?</i>						
Agnosia <i>? Are you unable to recognize familiar objects?</i>						
Apraxia <i>? Have you lost the ability to perform skilled tasks?</i>						

Imagery

Capacity for visual imagery <i>? Can you picture a map of the U.S. in your head?</i>						
*Intrusive Images <i>? Do images that suddenly appear in your mind? Are they:</i>						
Aggressive						
Sexual						
Other						
*Hypnagogic Hallucinations <i>? Do you dream sometimes even when you are awake?</i>						
Vivid Nightmares <i>? Do you have vivid nightmares?</i>						
Illusions <i>? Are sounds or things you see in your peripheral vision sometimes distorted?</i>						
Hallucinations <i>? Do you hear, see, smell or feel things that aren't there?</i>						

Thought Processing/Exec Function	DATABASE						
	BBI	DB1	DB2	PB	CI	C	S
Unfocused concentration <i>? Do you have difficulty focusing your thought on a problem solving task?</i>							
*Brain fog sensation <i>? Is there a slowness, weakness & inaccuracy in your thought processes?</i>							
*Prioritizing Multiple Tasks <i>? Do you have difficulty planning and prioritizing multiple tasks?</i>							
*Concentration on Multiple Tasks <i>? Do you have difficulty performing multiple simultaneous tasks?</i>							
Racing Thoughts <i>? Do you have racing thoughts?</i>							
Obsessive Thoughts <i>? Do you have repetitive thoughts that you cannot control?</i>							
Mental Apathy <i>? Is there a lack of spontaneous thought, ideas &/or initiative?</i>							
Abstract Reasoning <i>? Have you significantly lost your ability for abstract reasoning?</i>							

	DATABASE						
	BBI	DB1	DB2	<u>PB</u>	<u>CI</u>	C	S
Mood Symptoms							
Decreased Frustration Tolerance							
Sudden Abrupt Mood Swings							
Hypervigilance							
Paranoia							
Behavioral Symptoms							
Disinhibition							
Exaggerated Startle Reflex							
Explosive Anger							
Suicidal							
Homicidal							
Accident Prone							
Decreased Social Functioning							
Decreased Job/School Performance							
Marital/Family Problems							
Substance Abuse							
Legal Difficulties							
Dissociative Episodes							
Compensatory Compulsions							
Dropping Objects							
Crying Spells							
Psychiatric Syndromes							
Depression							
*Rapid Cycling Bipolar							
Panic Disorder							
Obsessive-Compulsive Disorder							
Social Phobia							
Generalized Anxiety							
PTSD							

<i>Vegetative Functioning</i>	DATABASE						
	BBI	DB1	DB2	PB	CI	C	S
*Impaired Sleep Wakefulness Cycle							
Not Well-Rested in a.m.							
Insomnia							
Initial							
Mid							
Late							
Hypersomnia							
Loss of 24 hour Cycle							
*Eating Disorder							
Anorexia							
Weight Loss							
Non-Appetite Motivated							
Over-eating							
Weight Gain w/o Increased Food Intake							
Weight Gain with Increased Food Intake							
Sexual							
*Decreased Libido							
Increased Libido							
Decreased Capacity for Arousal							
Decreased Capacity for Orgasm							
Menstrual Irregularity							
Decreased Capacity for Pleasure							
Altered Sexual Imagery							
*Temperature Control							
Body Temperature Fluctuations							
Flushing							
Intolerance to Heat							
Intolerance to Cold							
Decreased Body Temperature							
Low Grade Fevers							
Night Sweats							
Chills							

	DATABASE						
	BBI	DB1	DB2	PB	CI	C	S
Neurological							
*Headaches							
General Headaches							
*Cervical Radioculopathy							
Migraine							
Orgasm Migraine							
TMJ							
Tension							
Cluster							
Sinus							
*Cranial Nerves							
I. Olfactory, loss of smell, altered taste							
II. Ophthalmologic							
Blurred Vision							
*Photophobia							
Bright Light							
Fluorescent and Flicker							
Floaters							
Flashes							
*Conjunctivitis							
Eye Pain							
Dry Eyes							
Papilledema							
Blind Spots							
Night Blindness							
Peripheral Shadows							
Iritis							
Uveitis							
Optic Neuritis							
Other (specify)							

DATABASE						
BBI	DB1	DB2	PB	CI	C	S
III, IV, VI Double Vision or Eye Drifts When Tired,						
Ptosis						
V. Sensory Loss						
*VII. Bell's Palsy						
*VIII. Tinnitus						
Hearing Loss						
Dizziness						
Vertigo						
Motion Sickness						
Tullio's						
IX, X Episodic Loss of Speech, Choking on						
Food, Difficulty Swallowing						
XI. SCM and Trap Pain and Paresis						
XII. Tongue Deviates to Side						

Seizures

Grand Mal						
*Complex Partial						

Other Neurological

DATABASE						
BBI	DB1	DB2	<u>PB</u>	<u>CI</u>	C	S
Numbness						
Tingling						
Sensory Loss						
Burning						
Static Electric Sensation						
Crawling Sensation under Skin						
Stabbing Sensation						
Paresis						
Tremor						
Twitching						
Muscle Tightness						
Muscle Discomfort (restless leg)						
Myoclonic Jerks						
Torticollis						
Tourette's						
#EPS						
Ataxia						
Fainting						
Herniated Disks						
Spasticity						
Meningismus						
Rhomberg						
Other (specify)						

Other Physical Symptoms

DATABASE						
BBI	DB1	DB2	PB	CI	C	S

Musculoskeletal

	BBI	DB1	DB2	PB	CI	C	S
Joint							
Pain, Swelling, Tightness, Crepitation (specify joints)							
Bone Thinning/Fractures							
*Bone Pain (tibia, ribs, iliac crest, sternum, clavicle, etc)							
Epicondylitis							
Plantar Fasciitis							
Chronic Fatigue Syndrome							
Fibromyalgia/Enthesitis							
Myalgia							
Chondritis (ear, nose, costochondral)							
Tendonitis							
Carpal Tunnel							

Cardiac

	BBI	DB1	DB2	PB	CI	C	S
Chest Pain							
Heart Block							
MVP							
Racing Pulse							
Episodes of Rapid and Slow Heart Rate							
Pericarditis							
Cardiomyopathy							
Murmur							
Hypertension							
Hypertensive Crisis							

Pulmonary/Upper Respiratory

	BBI	DB1	DB2	PB	CI	C	S
Shortness of Breath							
Cough							
Sore Throat							
Swollen Glands							
Asthma							

Other Physical Symptoms cont'd...

	DATABASE						
	BBI	DB1	DB2	<u>PB</u>	<u>CI</u>	C	S
Upper GI Distress							
Non-Ulcerative Dyspepsia							
Irritable Bowel							
Abdominal Bloating							
#Gastroparesis							
#Hepatitis							
#Pancreatitis							
#Inflammatory Bowel							
#Cholecystitis							
#Gall Stones							
#Fecal Incontinence							

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Genital Pain							
Breast Pain, Tenderness							
Lactation							
Irritable Bladder							
Interstitial Cystitis							
Urinary Incontinence							
#Atrophy of Genitalia							
Anesthesia of Genitalia							
Recurrent UTI							

Autoimmune Symptoms

	DATABASE						
	BBI	DB1	DB2	PB	CI	C	S
Other							
Alcohol Intolerance							
Hair Loss							
Thyroid Dysfunction							
Wilson's Syndrome							
Adrenal Insufficiency							
Hypoglycemia							
Vasculitis							
Ankle Edema							
Tooth Pain							
Periodontal Disease							
Nose Bleeds							
MCS							
Allergies							
Splenomegaly							
Ecchymosis							
Chronic Pain							
ACA							
Lymphocytoma							
Erythema of Palms & Soles							
Other (specify)							
Other (specify)							
Other (specify)							

Fluctuations of Symptoms

*Herxheimer Reaction							
*Progression of Symptoms							
*Symptoms Fluctuation throughout the Day							
Stress Increases Symptoms							
Infectious Disease Increases Symptoms							
28 Day Cycle or Longer							
Perimenstrual Relapse							
Episodic Relapse							
Antibiotics Reduce Symptoms							

	DATABASE						
	BBI	DB1	DB2	<u>PB</u>	<u>CI</u>	C	S
Babesiosis Screen							
Severe Headaches							
Sweats							
Chills							
Severe Fatigue							
Severe Muscle Ache							
Afternoon Fever							
Rapid Progression of Lyme disease symptoms							
Ehrlichiosis Screen							
Decreased White Count							
Decreased Platelet Count							
Elevated Liver Enzymes							
Splenomegaly							

<u>Treatment</u> Psychiatric:

<u>Medical:</u> Oral Antibiotics:
IM & IV Antibiotics:

<i>Other:</i>

<i>Status:</i>

