

**THE NEUROPSYCHIATRIC LYME ASSESSMENT**

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<b>Symbols:</b>	<b>Column Headers:</b>
• Symptoms/Symptom Present	PB - Premorbid Baseline
• Sub-Symptom	Cl - Present in Course of Illness
- Symptoms Not Present	C- Current
0 Unknown	S - Subsequent Visits
○ Not Applicable or Available	<b>DATABASE ITEMS:</b>
● High Diagnostic Significance	DB1 - Baseline before illness
■ Unknown Symptoms	DB1 - Diagnosis based on Clinical Symptoms & Positive Western Blot
	DB2 - Diagnosis based on Clinical Symptoms & 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.

**Attention Span (Perception):** The ability to focus and maintain attention on the environment.

	BBI	DB1	DB2	PB	Cl	C	S
Sustained Attention ? Can you sustain your attention upon significant events in your environment?							
Allocation of Attention ? Can you prioritize and allocate your attention upon the most significant perceptions of your environment?							
Distracted by Frustration ? Do you easily lose your capacity for attention when frustrated?							
Distracted by Hyperactivity ? Are you easily distracted from excessive sensitivity to any of the following: Auditory Visual Tactile Olfactory							

**Memory** **DATABASE**

Working Memory  
? Can you retain information long enough to complete problem solving?

Working Spatial Memory  
? Can you retain awareness of structures in your surrounding space?

Recent Memory  
? Can you retain information for brief periods of time (min/hrs)?

Remote Memory  
? Can you recall information learned in prior years?

Encoding Errors  
? Is information stored correctly?

Memory Retrieval  
? Slowness of Retrieval  
? Is there a slowness retrieving:  
Words  
Numbers  
Names  
Faces  
Motor Sequences (i.e.: recalling how to be your shoes...)  
Geographical/Spatial (i.e.: driving to the store, etc.)

Sequential Memory  
Letter Reversals  
? Do you reverse the sequence of letters in words?  
Spelling Errors  
? Do you have a decreased ability to spell correctly?  
Word Substitution Errors  
? Do you insert the opposite, closely related or wrong word in a sentence?  
Number Reversals  
? Do you reverse numbers when writing a phone number?

**Processing** **DATABASE**

Reading Comprehension  
? Have you had a significant decline in your ability to understand what you read?

Auditory Comprehension  
? Have you had a significant decline in your ability to understand spoken language?

Sound Localization  
? Have you lost the ability to localize the source of a sound?

Spatial Perceptual Distortions (Microscopia, etc.)  
? Did you lose a sense of spatial awareness of your environment?  
? Do things seem smaller than they really are? (Microscopia)

Optic Ataxia  
? Do you have difficulty targeting your movements through space? (i.e.: bumping into doorways, placing objects, etc.)

Transposition of Laterality  
? Can you rotate something 180 degrees in your mind (i.e.: copying, not mirroring an aerobics instructor facing you)?

L-R Confusion  
? Do you confuse left and right?

Calculation  
? Have your calculation abilities declined?

Fluency of Speech  
? Does your speech flow smoothly when you talk?

Slurring  
? Do you stutter?  
Slurred Speech  
? Is your speech slurred?

Fluency of Written Language  
? Can you put your thoughts into writing?  
Handwriting  
? Have you noticed a change in your handwriting?

**Processing cont'd...** **DATABASE**

Depersonalization  
? Is there a loss of contact with your physical existence?

Derealization  
? Is there a loss of feeling of reality?

Agnosia  
? Are you unable to recognize familiar objects?

Apraxia  
? Have you lost the ability to perform skilled tasks?

**Imagery**

Capacity for visual imagery  
? Can you picture a map of the U.S. in your head?

Intrusive Images  
? Do images that suddenly appear in your mind? Are they:  
Aggressive  
Sexual  
Other

Hypnagogic Hallucinations  
? Do you dream sometimes even when you are awake?

Vivid Nightmares  
? Do you have vivid nightmares?

Illusions  
? Are sounds or things you see in your peripheral vision sometimes distorted?

Hallucinations  
? Do you hear, see, smell or feel things that aren't there?

**Thought Processing/Exec Function** **DATABASE**

Unfocused concentration  
? Do you have difficulty focusing your thought on a problem solving task?

Brain fog sensation  
? Is there a slowness, weakness & inaccuracy in your thought processing?

Prioritizing Multiple Tasks  
? Do you have difficulty planning and prioritizing multiple tasks?

Concentration on Multiple Tasks  
? Do you have difficulty performing multiple simultaneous tasks?

Racing Thoughts  
? Do you have racing thoughts?

Obsessive Thoughts  
? Do you have repetitive thoughts that you cannot control?

Mental Apathy  
? Is there a lack of spontaneous thought, ideas &/or initiative?

Abstract Reasoning  
? Have you significantly lost your ability for abstract reasoning?

**Mood Symptoms** **DATABASE**

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

**Vegetative Functioning** **DATABASE**

**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

**Neurological** **DATABASE**

**Headaches**

General Headaches  
"Cervical" Radioculopathy  
Migraine  
Osgood 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)

**III, IV, VI Double Vision or Eye Drifts When Tired,**

Fluffs  
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**

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**

**Musculoskeletal**

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**

Chest Pain  
Heart Block  
MVP  
Racing Pulse  
Episodes of Rapid and Slow Heart Rate  
Pericarditis  
Cardiomyopathy  
Murmur  
Hypertension  
Hypertensive Crisis

**Pulmonary/Upper Respiratory**

Shortness of Breath  
Cough  
Sore Throat  
Swollen Glands  
Asthma

**Other Physical Symptoms cont'd...** **DATABASE**

**GI**

Upper GI Distress  
Non-Ulcerative Dyspepsia  
Irritable Bowels  
Abdominal Bloating  
#Gastroparesis  
#Hepatitis  
#Inflammatory Bowel  
#Cholecystitis  
#Gall Stones  
#Fecal Incontinence

**GU**

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

**Autoimmune Symptoms** **DATABASE**

**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  
Echymosis  
Chronic Pain  
ACA  
Lymphoedema  
Erythema of Palms & Soles  
Other (specify)  
Other (specify)

**Fluctuations of Symptoms**

"Heinheimer" Reaction  
"Progression" of Symptoms  
Symptoms Fluctuate Throughout the Day  
Stress Increases Symptoms  
Infectious Disease Increases Symptoms  
28 Day Cycle or Longer  
Periodic Relapse  
Episodic Relapse  
Antibiotics Reduce Symptoms

**Babesiosis Screen** **DATABASE**

Severe Headaches  
Sweats  
Chills  
Severe Fatigue  
Severe Muscle Ache  
Aftersoon Fever  
Rapid Progression of Lyme disease symptoms

**Ehrlichiosis Screen**

Decreased White Count  
Decreased Platelet Count  
Elevated Liver Enzymes  
Splenomegaly

**Treatment**

Psychiatric:

**Medical:**

Oral Antibiotics:

IM & IV Antibiotics:

**Other:**

**Status:**

**Comments:**



