

BioBites: The Fiber Optics of Lyme Disease

June 7, 2022

Martin Hart, DC, Senior Doctor at the Biologix Center for Optimum Health

Presentation

The human fiber optic network. Internet companies utilize fiber optics cables to carry vast amounts of data in the form of light. Similarly, the human fiber optics network spreads out throughout the whole body, enabling communication. Biophotons are the medium of communication; the network itself is known as the Crystalline Matrix. This Matrix connects the extracellular matrix (connective tissue and fascia) with the cytoskeleton and nucleus, containing DNA material, of every cell. The Crystalline Matrix carries biophotonic information and energetic emissions, putting all cells in communication with one another.

Light and the body. Everything in the universe is governed by electromagnetic force. The entire spectrum of electromagnetic forces uses light molecules, photons, as its means of interaction. Only a small portion of that spectrum is available to us as visible light. From this we understand that light holds the human body together, enables communication throughout the body, and controls all chemical processes in the body.

Biophotons and the human body. DNA is the body's main biophoton emitter. It transmits, receives, and stores information in the form of biophotons, much like servers behave in terms of a communication network.

Lyme as a light disruptor. Borrelia, lyme spirochetes, use light in a fashion similar to humans. They use light to communicate, form communities, find food, evade danger, change shape, form biofilms, and morph antigens. Lyme also consumes collagen - our connective tissue. The Crystalline Matrix uses different types of collagen as its substrate. Like rats eating away at power lines, borrelia eating the body's collagen disrupts our communication system and disrupts everything.

Bio-Spectral Emissions Sequencing™. Bio-Spectral Emissions Sequencing™ (BES) is a form of adjunctive-diagnostic and treatment selection biofeedback testing that allows doctors at the Biologix Center to gain valuable data from the human body's crystalline matrix. The information is offered in real-time. This testing allows practitioners to tap into the body's light field and gather data. Treatments and remedies can be frequency-matched, using BES. This allows practitioners to tailor a patient's treatment to their bioindividual needs.

Neurophotonic Therapy. Like running a diagnostic on your fiber-optic internet connection and optimizing its function, Neurophotonic Therapy (NPT), developed by Dr. David Jernigan, allows practitioners to utilize the body's neurological system along with the eyes to push various colors through the body and see, with BES, how the body responds. This effectively tests the body's communication network and organization fields as well as how the body is utilizing energy, how light is acting as a nutrient, and how light is affecting the neurological system. This stimulus-response therapy can help in the rebalancing process. It also has the ability to show the presence of various bacteria, not visible on other forms of testing.

Clearing Lyme Disease. One of the first things that has to happen is the metaphorical rats in the power lines - the bacteria - need to be cleared. This can be done through a variety of methods:

- Anti-microbials, herbs, etc
- Rebuilding and supporting the immune system
- Dietary changes
- Restore the terrain
- Anti-inflammatories

Each body has its preferred order of operations. Regardless, make sure these bases are covered.

The Biological Medicine approach to healing. Biological Medicine evaluates how inputs are processed as information that lead to systems regulation and either adaptation (health) or maladaptation (dis-ease and ultimately disease). Disease is the result of too much stress and/or a systems breakdown. Lifestyle and environmental medicine are important when ensuring a healthy input. In terms of fixing information processing in the body, we look at energy medicine, laser therapy, homeopathy, and change how our body is processing information. To improve feedback loops, we look at similar things but also functional neurology, humming to stimulate the vagus nerve, etc. When it comes to organ systems regulation, solutions will come from things like functional medicine and Chinese medicine, which look at the different systems within the body. In sum, evaluating and improving each of these is significant in restoring the body's ability to adapt and take away stressors so that the body can heal and shift from a disease model to a model of health.

Healing the Crystalline Matrix. Once the Lyme has been cleared, you need to heal the Crystalline Matrix. With Lyme Disease, you want to support all of the collagen-damaged tissue. There are a lot of systems you may want to support, but we focus here on the connective tissue, cell membranes, and DNA, which make up the Crystalline Matrix.

Healing connective tissue. Silica, boron, manganese (Borellia eats Manganese), Vitamin C, zinc, copper, electrolytes (ECM; important for balancing the acidity and alkalinity of the extracellular matrix) and collagen peptides, glucosamine, chondroitin, MSM, aloe vera, structured water (restores the information structure we're trying to create), HBOT, manual therapies (massage, chiropractic care), laser and other frequency-based treatments, and magnets (restore field and structure) are all beneficial to the healing of connective tissue.

Restoring cell membranes. It's important for cell membranes to have integrity with all the transport proteins and 'sensors' they have on there. Membranes are mostly made of fats, so we need fats in the forms of Omega-6 and Omega-3 fatty acids - most of us are Omega-3 deficient, so this is particularly important. A blend of phospholipids is important. Healthy cholesterol from grass fed butter, ghee, and good animal fats is also important. Cholesterol provides stability, whereas Omega-3s and phospholipids provide some fluidity. Eliminate toxic fats - trans fats, rancid fats, fats that have burned or been over cooked. On this topic, olive oil can become a toxic fat when cooked or overcooked. Lastly, structured water is important for restoring cell membranes.

DNA repair. If you've had a lot of infections, toxins, etc. DNA can get denatured and damaged. All the information it's emitting might not have a good start. Antioxidants are important for clearing free radical damage. Support proper methylation, important for talking to the DNA. You need B-vitamins, Zinc, Sodium Butyrate. Curcumin, Berberine, Quercetin are also all good for repairing DNA damage.

Q&A Synopsis

Having been on Doxycycline for three weeks, can ongoing symptoms be intermittent?

Doxycycline is a good early intervention. Research proves it's not a good Lyme treatment over time. What you could have done is knock down the load, number one. Symptoms will become more intermittent as the body starts to adapt better. Doxycycline never deals with the damage, so healing the damage is important.

Might a vision exam with eyes dilated while on a heavy dose of Doxycycline for Lyme Disease have further exacerbated vision problems and cognition?

Once antibiotics hit the system, the borrelia go into defense mode. When the eyes are dilated, the body is even more vulnerable with metaphorical warfare happening inside. The borrelia are likely to move to that vulnerable area, which can lead to these types of symptoms.

Is it possible for there to be a permanently altered connection between eyes, vision, brain, cognition, and visual processing as a result of Lyme? If so, is there anything that can be done?

Lyme neuritis and optic nerve neuritis associated with Lyme is common. It's not always permanent and the body is amazing at making adaptive pathways around it. I've seen sight restored or partial restoration. The key is healing the damage, clearing the Lyme, and doing some specific neurological exercises to support key neural pathways - brain retraining, light and eye-tracking exercises. Combating inflammation is also critical.

Is there a window of time in which the body is beyond repair?

If you have intermittent periods of improvement, the likelihood that you can reverse the damage is much higher. The intermittent nature suggests there are viable tissues there. The longer something has been happening, the longer tissue damage is done. With the neurological system, you can make neuroplastic changes around it. You can either heal some of those nerves or get the body to wire around it to get some of that function back.

Is mood change a common symptom of Lyme?

Mood is huge, especially with neuroinflammation. You can get agitation, obsessive compulsive, oppositional defiant disorder, depression, anxiety, etc. as a result of Lyme and coinfections affecting or inflaming the brain.

Is a child who experiences Lyme better able to overcome the disease or symptoms over time?

Young people are much better positioned to overcome. Their stem cells are younger and more plentiful, they haven't had as much time to accrue free radical damage or DNA damage or toxin accumulation. In the clinic, pediatric patients respond much faster. They get more complete healings and come back from more severe cases than older patients. That said, there's always hope for older patients, as well.

Can you recommend home-based light devices or practices for those who might not have a facility like Biologix nearby or accessible?

Getting sunlight or time in the sun is huge. Eating a rich, colorful array of fruits and vegetables is important as these contain the range of light molecules. Red light therapy is fantastic. There are home laser treatments and LED lights. Low EMF Vitamin D beds are also beneficial. Many patients have also had success with seasonal affective disorder lights.

What guidance do you have for people who experience improvement and then recurring symptoms long after the initial Lyme diagnosis?

At best, we can probably clear about 85% of the bacterial load. From a BioMed perspective, you're almost getting the bacteria to go into a devolved state so it's not a big factor. Then you want your terrain healthy enough so that it can

accommodate a few weeds. Rather than kill everything in your garden, you want a robust garden that has terrain that will naturally keep weeds in check - you want your microbiome and immune system to be able to keep the remaining borrelia in check. Biologix has also been doing some research where it looks like we're able to eliminate borrelia in its entirety. Part of this is likely due to the holistic approach Biologix takes.

For a patient struggling with optic neuritis, any strategies to promote healing or a cure? The strategies would be very similar. Look at a lot of focused herbs and approaches to bring down neuroinflammation.

How can one address biofilm in the bloodstream? Make sure you have a plan in place before messing with biofilm - you don't want to stir the hornet's nest and not be ready. There are multiple options you can look at: biofilm busters like proteolytic enzymes or broad spectrum digestive enzymes; there are a lot of essential oils and herbs that are both biofilm busters and penetrators - eucalyptus, NAC, EDTA. Address any microbes that create biofilms quite heavily - heavy metals, candida - these are all strong biofilm creators.

For someone who's experienced Lyme, might glucosamine have an adverse effect? Glucosamine is a strong sulfur donor. Some people will have a hard time tolerating that. Sometimes also taking it too early, thinking of order of operations, is like trying a repair process before the body's ready. Two questions: is the patient sulfur-sensitive? Is it the wrong time?

Any thoughts on vocal toning for Lyme? Vocal toning, a lot of times, is a vagus nerve aspect, trying to modulate the sympathetic and parasympathetic. Other exercises include humming, vocal toning, singing, deep breathing, brushing the back of your tongue, CES device (electro stimulation), prayer, tapping.

Is there more than one type of Lyme test? If so, which is the most accurate? There are multiple Lyme tests out there: ELISA, Western blot test, Lyme PCR test. What we use most often, for Borrelia, is the Phelix Test from R.E.D Labs in Belgium. The Phelix Test looks for both the Borrelia DNA directly with the PCR and the bacteria phage of Borrelia's DNA - that's the virus that infects Borrelia. With their research, the accuracy goes way up. They also recommend some pre-testing procedures to get the virus out of tissues and into circulation. I also use DNA ConneXion's test, which is another PCR-type test, looking for genetic material. There are some more broad spectrum ones, but the truth is you need a panel for Lyme and coinfections as well, so you know what you're working with.

Any thoughts on frequency-specific microcurrent for Lyme? It's a great resource. It's another thing in that electromagnetic light spectrum. If you hit the nail on the head with the right frequency, it can be very effective. I've seen it work great for inflammation, calming the nervous system down, tissue repair, healing fractures faster than medically standard. You can also use it, with the right frequency, to hit the Lyme directly. You have to watch out for a Herxheimer reaction after that; but otherwise, it's effective.

Can the Herxheimer effect continue many years after medication as Lyme is still being cleared? Yes. There's the inflammation that can last from the damage that's been done. Pain also gets mapped into the nervous system. The body learns the defense mechanism - pain, inflammation, Herxheimer response - these are the body trying to respond in an intelligent way. Herxheimer response is an inflammatory response from your immune system; it's the body's way

of responding to a big threat. To be efficient, the brain maps these pathways. If you never de-map these pathways, the neurological system may still think there's a threat long after the threat is gone. Remapping the neurological system can be achieved through DNRS (Dynamic Neural Retraining System), neurofeedback, hands-on manual therapies or physical therapies with someone who is Lyme informed.

Why is the hyperbaric chamber effective for Lyme? This therapy inputs a lot of oxygen into the system and uses pressure to drive it into cells. On one level, that's antimicrobial; it's great for neurological aspects of Lyme disease as long as the pressure doesn't worsen optic pressure in some cases. It's also tissue-healing. The medical community uses it a lot for wounds that don't like to heal.

Any medical information contained herein is provided for informational purposes only; it is not advice, nor should it be treated as such. If you have any healthcare-related concerns, please call or see your physician or other qualified healthcare provider. Educational information provided by the Marion Institute, any employee of the Marion Institute, or its guest presenters is NOT intended as a substitute for a healthcare provider's consultation. If you have a health concern, please do not delay in seeking medical guidance from a health care professional. The Marion Institute, its employees, and its guest presenters make no representations, nor any warranties, nor assume any liability for the content herein; nor do we endorse any particular product, provider, or service.