

10 Often Overlooked Causes of Brain Dysfunction – Simple Treatment Suggestions

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1. Post-Concussion Syndrome/ Minimal Brain Dysfunction

- ▶ Post concussion syndrome: often overlooked in the history of the client. Minimal brain trauma causes cranial dysfunction. Onset of Fatigue after years or even decades is typical (Vladimir Janda MD, PhD), later escalates into short term memory loss, tendency to mitochondrial and immune dysfunction, insomnia and shortened life span.

1. Post-Concussion Syndrome/ Minimal Brain Dysfunction

- ▶ Treatment: build up vertical dimension of teeth, expand upper jaw, cranio-sacral osteopathy, neural therapy (sinus pattern, “crown” and segmental tx to neck, sphenopalatine ganglion block), prolotherapy to stabilize associated instability of cervical spine. Give 3-month course of heparin 5000i.u. s.c. bid, followed by lumbrokinase 100 mg bid for life

2. Toxicity

Some metals have high affinity for the different glands and structures in the brain:

- ▶ metallic mercury from out-gassing amalgam fillings (which is changes to methyl mercury by bowel microbes) – is found in the thalamus, pituitary, hypothalamus and more
- ▶ ethyl mercury from thimerosal (vaccines), depleted uranium (jet stream – we are now all exposed to it) – commonly found intracellularly in the brain

2. Toxicity

- ▶ Barium and aluminum salts (chem trails, food, drinking water)
- ▶ Lead (reverse toxicity as stored lead is slowly released from the bones)
- ▶ Astrocytes /astroglia are the most damaged brain cells when toxic metals circulate in the blood through the brain. They fail their job in providing the blood-brain barrier . When toxic, they also cause an inflammatory brain state (encephalitis). Vapors from dental amalgam fillings are the most common cause . They release metallic mercury which is oxidized to the most aggressive 2-valent form inside the brain-cells (by catalase)

2. Toxicity: treatment

- ▶ No oral agents have been shown to penetrate the BBB (after being absorbed by the vascular system). Even intravenous DMPS, Vit C, DMPS, alpha Lipoic acid or DMSA failed to have substantial uptake and healing action in the brain
 - A. frequent neural therapy treatments (crown, trigeminal pattern, sphenopalatine ganglion, tonsils, kidney and lymph points) with a 5: 1 mix of 1% Procaine and DMPS (50mg/ml) or Glutathione (100 mg/ml).
 - B. Kidney protection cocktail : Matrix Electrolyte (2 tbsp), M-water (1 cap) and MicroMinerals (1 tbsp) in 1 quart H₂O

2. Toxicity: treatment

- ▶ Oral MicroSilica 100 mg 2-3 times per day in juice (binds mobilized metals in gut and liberates signalling pathways from small intestine to phase I, II and III detox enzymes)
- ▶ Oral OSR 100 mg 1 -2 times per day in Phospholipid Exchange (1 tsp): increases intracellular glutathione and triggers mobilization of all known brain toxins, including bacterial and mold related biotoxins

2. Toxicity: treatment

- ▶ High dose i.v. therapy: alkalinizing iv, followed by 500 ml aqua dist with 600 mg alpha lipoic acid, 25 gms Vit C, 250-750 mg DMPS, 1200 mg glutathione (bottle wrapped with alu foil to prevent light damage, light proof tubing). Up to twice a week in acute situations, otherwise 1-2 times per month
- ▶ ATP increase by Valkion SOE inhalation (available only in Europe)
- ▶ Other agents frequently used: chlorella growth factor (CGF) (mercury, lead, cadmium), CVE (lead), chlorella (dioxin, pesticides), DMSA (mercury, lead) oral and rectal EDTA (lead, cadmium, nickel), oral cilantro (nickel, lead, aluminum)

3. Genetics

- ▶ APO E: type 3 is a poor detoxer, type 4 worst (Genova) – needs life long detox support (see 2.)
- ▶ Lipoprotein a: check oblique fold on ear. High LDL, elevated cholesterol and triglycerides – use:
 - a. freeze dried garlic (BioPure) 2 -3 caps 3 times per day dissolved in water
 - b. Niacin 500 mg tid (Niasafe from Thorne works best)
 - c. fish oil (unadulterated clean salmon oil from BioPure tests best)
 - 3 -6 caps at bedtime (increases parasympathetic tone)
 - d. PC-Ecklonia Cava: endothelial healer. 4-6 caps at bedtime (sometimes together with L-Arginine 500 mg tid)

3. Genetics

- ▶ HLA-DRB haplotypes: read “Mold Warriors” by Ritchie Shoemaker to understand genetic patterns that predetermine if a client is vulnerable to - or likely to suffer from - mold, Lyme, viruses, etc. (Test is done by Labcorp)
- ▶ Genova Detox Genomics Profile with therapeutic suggestions

4. Mold

fatigue, brain fog, MS, multitude of neurological symptoms and illnesses

4. Mold

- ▶ Mold often lives in the sinuses and slowly poisons the brain with mycotoxins . Often secondary to Lyme disease or XMRV viral infection, or opportunistic because of toxic melieu changes from outgasing toxic dental restoration materials (mercury vapor, phthalates, glues, plastics, thioethers, mercaptan)
- ▶ Diagnosis: History of exposure (wall-moisture in home, water damage, visible mold), ART or Functional Acuity Contrast Test (FACT), CT scan of jaw bone and sinuses (cone beam radiography). Labcorp mold panel IgE, IgG antibodies. Mold biotoxin test from NeuroScience

4. Mold treatment

- ▶ Immunemodulation with Pleomorphic remedies: Nigersan, Mucokehl, Fortakehl, Notakehl, Quentakehl, etc.)
- ▶ Medical drugs: Nystatin, Amphotericin B, Fluconazole, Itraconazole, Voriconazole. Always use with toxin binders: chlorella, Cholestyramin, MicroSilica
- ▶ Biological options: Rizol Alpha, Gamma, Zeta, MMS, freeze dried garlic (most effective), numerous herbs (Quintessence is personal favorite), ozone therapy, hyperbaric oxygen

4. Mold treatment

- ▶ Clearing the home is of utmost importance, often a move is required (Scot Appert is offering competent home inspections).
- ▶ We use propolis vaporizer from Europe (cost is 1-2 dollars per week) – sensational improvements in asthma and other lung conditions in medical literature
- ▶ Austin air filter, good ventilation

4. Mold treatment

- ▶ Spray home with Matrix Microbes
- ▶ Neural Therapy: trigeminal pattern (“sinus injection”), sphenopalatine ganglion block with DMPS
- ▶ Intestinal binders: chlorella, clay, cholestyramine, Micro Silica

5. Viruses

fatigue, seizures, trigeminal pain syndromes, AD

5. Viruses

- ▶ Diagnosis with ART or Labcorp standard tests (herpes panel incl. HHV-6, EBV, Coxsackie, new XMRV test by Judy M., etc.).
- ▶ Treatment: 4-6 week trial with Valtrex 1000 mg tid or Jose Montoya/Stanford protocol for chronic fatigue: Valcyte 450 mg tbl: 2 tbl bid for 3 weeks, then 1 tbl bid for the remainder of 6 months

5. Viruses

- ▶ Biological options: freeze dried garlic, Quintessence (best), Rizol Zeta 10-20 drops tid, MatrixMinerals (fulvic and humic acid), LDM-100 (Lomatium Dissectum - native American herb), Monolaurin - 3 caps tid, Oregon grape root. Eat beans and lentils only according to blood type (P.D'Adamo), Valkion SOE, UV-BI and ozone therapy (best: neural therapy injections with O3: SPG, trigeminal pattern, tonsils, lymph points), balance redox potential (MMS, Acai)

5. Viruses

- ▶ Reduce electromog (EMF) exposure at home and work
- ▶ Serious stress reduction (meditation, yoga, life style changes)
- ▶ Detox all non-biological metals (Hg, Pb, Cd, etc.)

6. Lyme and Co-Infections

Short term memory loss, Brain fog, loss of higher mental function, cognitive and emotional instability, multitude of neurological and immunological problems

6. Lyme and co-infections

- ▶ Babesia and Bartonella affect the brain the strongest. Borrelia has been found in most AD brains post mortem
- ▶ Diagnosis: Western Blot, Fry labs, ART, FACT, indirect indicators: low wbc, moderate elev. of cholesterol and LDL, low alk.phos

Treatment: **klingshardt Lyme cocktail**

Ingredients:

- ▶ Phospholipid Exchange PE (BioPure)
 - magnesium - vasodilation,
 - phos. choline and serine – cell membrane repair/helps absorption of supplements given at same time and transport across BBB
 - alpha lipoic acid – mold biotoxins
 - NaEDTA – metal detox and biofilm breaker),

6. Lyme and co-infections

- ▶ Artemisinin (highly concentrated extract made from wormwood)– Babesia, anti-XMRV, EBV, parasites
- ▶ OSR and MicroSilica: neurotoxin and metal mobilization and binding
- ▶ Quintessence (BioPure) – anti-viral, Borrelia, Bartonella, Babesia, lymphatic drainage
- ▶ Interfase (biofilm breaking enzyme, Klaire Labs)
- ▶ Wormwood tincture: full spectrum of antimicrobial and synergistic compounds missing in Artemisinin

6. Lyme and co-infections

- ▶ 20% Propolis Tincture (anti-viral and anti-mold/bacterial)
- ▶ Energized Neem (BioPure) (anti-Lyme and co-infections)
- ▶ Curcumin (anti-inflammatory)
- ▶ Pipli (= ayurvedic pepper extract - enhances absorption of curcumin 2000%)
- ▶ Grapefruit juice (helps absorption of Artemisinin significantly)
- ▶ Matrix microbes (BioPure) : biofilm breaking enzymes and atypical probiotic

6. Klinghardt Lyme cocktail

- ▶ Small amount of water plus 1 tbsp of PE into blender with 2-5 100mg capsules Artemisinin and 1 tsp of Matrix Microbes
- ▶ Blend at high speed for 5 minutes (creates liposomal artemisinin)
- ▶ add 100-200mg OSR and 100-200 mg MicroSilica
- ▶ add Interfase 3-4 caps - keep blending

6. Klinghardt Lyme cocktail

- ▶ add curcumin (Jarrow) 4 capsules and Pipli (Ayush Herbs) 2 caps – keep blending
- ▶ add 1/2 cup grapefruit juice – keep blending
- ▶ add Quintessence 5-6 droppers, Propolis 15 drops and Neem (optional -content of 2 capsules), 2 droppers of Wormwood tincture , 1 tsp Matrix Microbes and ½ cup water– keep blending
- ▶ Drink away from mineral supplements, before or away from meals

6. Klinghardt Lyme cocktail

- ▶ Drink this amount twice daily, 5 days on, 2 days off. 3 weeks on, 1 week off. Best to prepare the double-amount (for both doses) in the morning , keep the evening dose in blender, re-blend before drinking in the evening or late afternoon (do not use close to mineral supplements, which would be bound up by OSR and MicroSilica)

7. Dental

**AD, Parkinson, MS, Lyme,
CFIDS, FMS**

7. Dental

- ▶ Structural: loss of tooth-height (vertical dimension) lowers brain-acetylcholine levels. Build-up of teeth or lower splint increase acetylcholine in brain (memory, cognitive function)
- ▶ Biochemical/toxic: amalgam fillings outgas mercury and poison the CNS
- ▶ Dental plastics outgas estrogenic compounds and cause pro-estrogenic signaling (cave: prostate, breast)

7. Dental

- ▶ Allergic: any patient may become at any time allergic to any dental restoration material, resulting in brain fog, fatigue or worse
- ▶ Microbial: jaw bone infections create thioethers, which are both carcinogenic and neurotoxic

7. Dental Solutions

- ▶ Prevent tooth decay in children and all people: Vit K2 and Vit D3 are key. Lead toxicity is a common cause of caries. Use Cilantro, MicroSilica and CVE for lead detox
- ▶ Encourage healthy and beautiful facial development: breast feeding, frequent cranial work and prophylactic chlorella vulgaris extract (CVE) and chlorella growth factor (CGF)

7. Dental Solutions

- ▶ Use metal-free dental restorations to minimize neurological problems (and radio-reception). Use life-long pomegranate juice/extracts and stinging nettle seeds as anti-estrogen (aromatase-inhibitor). Consider zirconium oxide implants rather than metallic titanium (antenna function)
- ▶ Clear jaw bone infections with low level laser therapy (LLLT – Klinghardt protocol), ozone injections (Phil Mollica DDS protocol) or cavitation surgery (Chris Hussar DDS, DO protocol). Use Klinghardt Lyme cocktail for months to clear systemic infections

8. Psychological

- ▶ Illness, trauma, infection and toxicity of the brain cause psychological presentations and are the most common cause of psychiatric and psychological problems: Lyme, HHV-6, XMRV, roundworms, cytotoxicosis, Babesia, Bartonella, mercury, lead, aluminum, etc. etc.
- ▶ Unresolved trauma and unresolved psycho-emotional conflicts cause shrinkage of the hippocampus and other anatomical and physiological brain problems

8. Psychological

- ▶ Use MFT and PK (Klinghardt protocols) to gently and effectively remove traumatic imprints. Learn meticulous energetic, emotional and mental hygiene (see Klinghardt website: www.mentalfieldtherapy.com)
- ▶ Diagnose and treat HPU/KPU (see Klinghardt website: www.klinghardtneurobiology.com)

9. Allergic Phenomena

- ▶ Food allergies - frequently cause brain symptoms: short term memory loss, cognitive decline (which is initially reversible), white matter lesions, cranial nerve problems, brain fog, insomnia, encephalitis, etc.
- ▶ Environmental allergies – mold and chemical exposures can cause severe psychological, psychiatric and neurological problems (Doris Rapp MD)

9. Allergic Phenomena

- ▶ Don't overlook allergies to dental restoration materials
- ▶ diagnosis : lab tests - IgE, IgA, IgE, MELISA, cytokine tests, ART, electroacupuncture*, 2-week avoidance trial, Coca pulse test
- ▶ Treatment: avoidance, desensitization (EPD, end-point titration, NAET, PK and MFT, etc.), 4-day rotation diet

**Clinical Outcomes of a Diagnostic and Treatment Protocol in Allergy/Sensitivity Patients. Konrad Kail, ND
Alternative Medicine Review Vol 6, Number 2 pg 188- 202*

10. Sleep

The less known real causes of insomnia

- ▶ Exposure to information carrying radio waves (cell phone radiation, cordless phones in house, broadcasting from radio- and TV stations, radar, ambient household currents)
- ▶ Geopathic stress
- ▶ Metal toxicity of CNS

10. Sleep

- ▶ Household chemicals/mold/mites/dust/poor indoor air
- ▶ Intestinal parasites (tip: bruxism)
- ▶ Viral infection of brain (HHV-6, EBV, XMRV)
- ▶ Unconscious connectedness to suffering of people elsewhere
- ▶ Personal worry

10. Sleep

Less known insomnia-cures

- ▶ MFT tapping (Klinghardt method – www.mentalfieldtherapy.com)
- ▶ Switch off all fuses at night
- ▶ Get rid of cordless phones in house (including the neighbor's)
- ▶ Sleep sanctuary (Faraday cage) (Integrative Biophysics: www.integrativebiophysicsllc.com)

10. Sleep

- ▶ Keep head north
- ▶ 6 capsules of PC-Ecklonia Cava extract at bedtime (re-establishes delta sleep and brain detox)
- ▶ Take calcium/magnesium supplements and Core (BioPure) at dinnertime
- ▶ No food after sunset. No alcohol at night
- ▶ Re-establish normal circadian sleep cycle: go to bed early, wake up early

10. Sleep

- ▶ Daytime: minimize time on computer. Use color therapy (PhotonWave) trans-cranial TENS or Microcurrent (CES – cranial electric stimulation),
- ▶ Restless legs: low Dopamin (Lyme is common. Use Cuprum 4X at bedtime)
- ▶ Move bed to other location
- ▶ Change furniture around (feng shui effect)

From a letter (UK Fe 2010)

- ▶ But please do not dismiss the thousands of people who have gotten better and are now not on any antibiotics, pharmaceuticals or major therapies, from following some of Dr. Klinghardt's protocols. Myself and my daughter being only two of them. We are now Lyme free. We are not patients of Dr. Klinghardt...but now work with a practitioner who has been trained by him.
- ▶ You may not be aware, but what is written in the protocols has been tested on real individuals over time as well with positive results...and each person's protocol is tweaked individually.
- ▶ Some people are not adding vitamin D and some are. (we are not) We all have individual needs to move toward health. There is no cookie cutter approach to healing for any of us...but it would be foolish to dismiss the tested protocols that remove the toxic body burden so our own body can balance allowing our immune system to finally function normally and heal naturally...no matter which chronic condition the patient is facing! Everyone would benefit from lightening the load.
- ▶ For many to be off all meds in time is amazing to me. Most other protocols offer a life time of either pharmaceuticals or trying to unnaturally balance the body by keeping an array of supplements always being ingested just to function. The goal should be to try to get to that place. Again its individual as we come with inherited issues, acquired viral/bacterial load or added environmental issues that give each a unique case to solve!

- ▶ But the basics Dr. Klinghardt has outlined has helped my daughter who “was” an olympic level swimmer...finally get her life back. From being a high level Olympic training center level athlete and happy girl, to being in the bed... fighting neuro-lyme for four years physically and mentally declining, to finally be lyme free and getting her best swim times ever this month and performing well academically at college. I can't even begin to adequately describe the positive turn around!
- ▶ A parent will go to all costs to help their failing child. And when one parent sees an amazing improvement, they will shout it from the mountain tops. This is me! Those who know my daughter from athletics have called me to find out what she did to get better. We have a society of functioning sick young adults and children who are set up for later chronic illness. I am contacted weekly from people I do not even know! Parents are searching for help.
- ▶ Many have KPU, like my daughter just found out, and finally giving her the needed zinc protocol and minerals outlined by Dr. Klinghardt, have lessened her remaining severe cystic acne and her extreme mental anxiety and focus issues. These were her remaining debilitating mental issues after lyme and all her co-infections were gone. She is detoxing still but happily on no meds now ! We worked this all in layers. This is also a victory story that I have not shared with this elite group previously as not wanting to tout any specific protocol. We are still learning, discovering and observing. I believe there may be a lifetime of detox needed for all our children.

- ▶ She is also Dr. Bransfield's patient! (she is doing so well emotionally too Dr.Bransfield...and now since we saw you at Christmas asking for help and depression relief, is in no need of antidepressants...and threw them away without touching them when the KPU protocol kicked in for her. This has been amazing. She is progressing fantastically....Thanks for all your help clearing her sleep issues as well as your support and approach has been a big part of her recovery as well). Of course we will continue to evaluate over time as I am taking her new found joy day by day.
- ▶ This is only one story of many I personally know who have improved with Dr. Klinghardt's protocols. Children do extremely well.
- ▶ This does not dismiss Dr. Marshall's work in my opinion. We have never tried it. But this is not the only way out of the woods for the chronically ill. It is working for you and that is fantastic!
- ▶ This just tells me collaboration is needed from these experts and a neutral place to share their research, successes and failures so more can be learned toward healing protocols for the chronically ill.
- ▶ My experience says an integrative individualized approach is what will open the doors to healing for the chronically ill. As you know, I also care for my two in-laws with Alzheimers, involved at Columbia University in the Alzheimers trials and am involved with my nieces and nephews with autism and care for my aunt with cancer. Not to mention all the Lyme specialists I have seen! We see the best and I am in a good place to witness the connections to these chronic illnesses on a regular basis. Research monies dictate what is studied...and not too much is done to connect the dots of these conditions and get at the root.

- ▶ That is the purpose for our new institute. That is why I am involved. That is how the institute will get outside funding. From parents who want their chronically ill children and family members to heal. This is emotional.
- ▶ Don't know if this can happen in the real world with the constraints put on us politically and financially. We parents don't know if researchers can put their pride aside for collaboration. But we need to do things differently to get real results.
- ▶ Think out of the box or else we will always be living in the box of chronic illness.
- ▶ This is some food for thought!
- ▶ Thanks for keeping us informed and all your hard work for the institute!

From NEI - NeuroEndocrinImmuneCenter