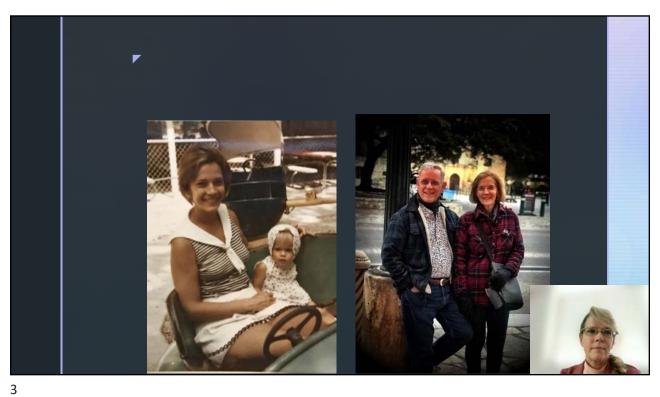
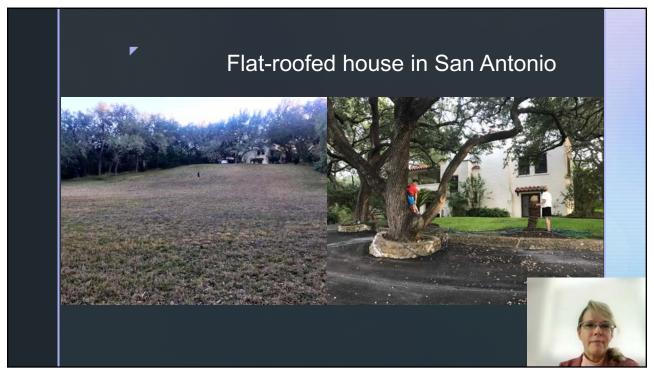
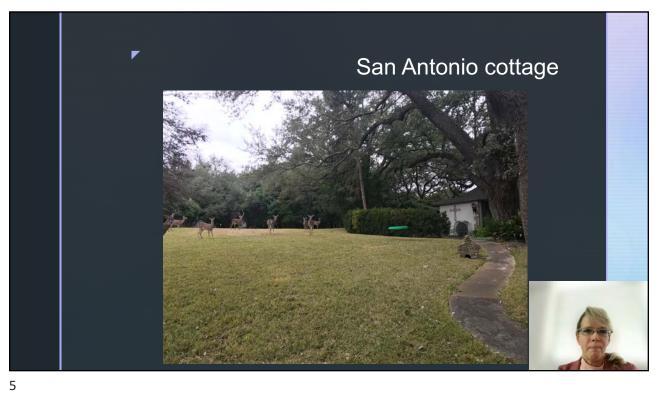


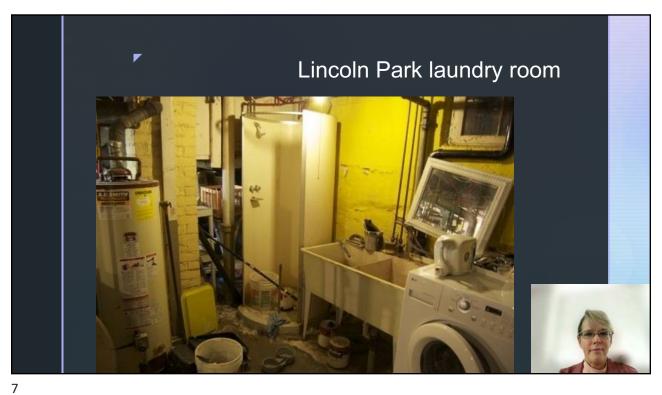
Thank you Ritchie Shoemaker and Deborah Waidner Dr. Bill Anderson Larry Swartz and Michelle Fisher at Safestart Environmental

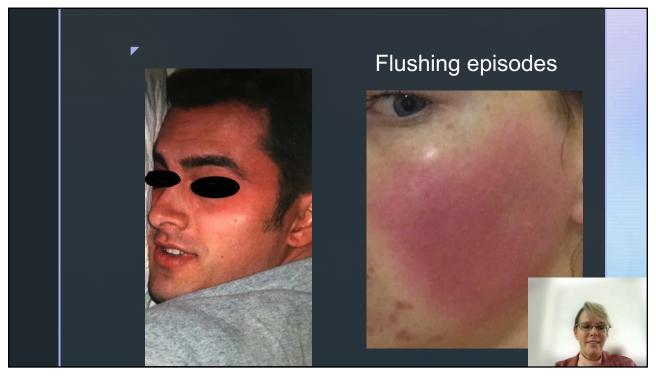


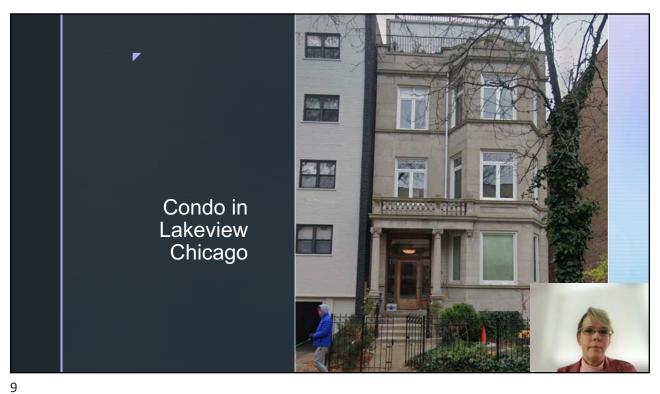


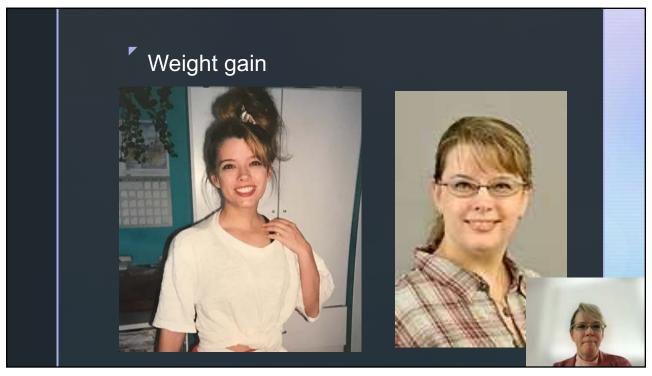


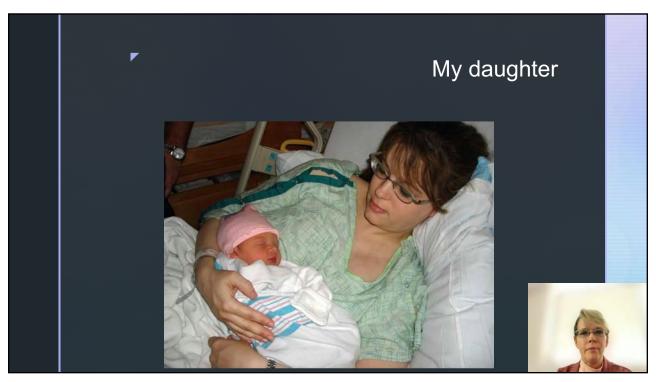


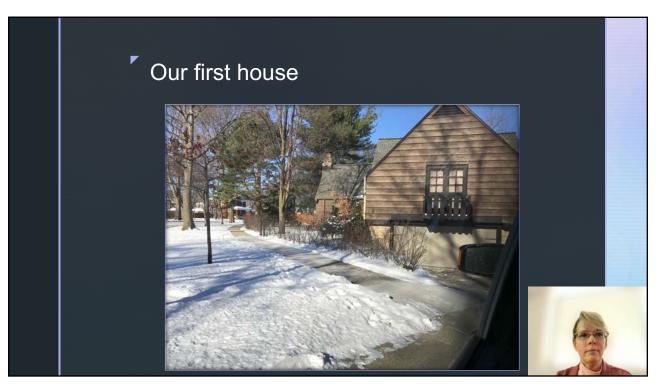


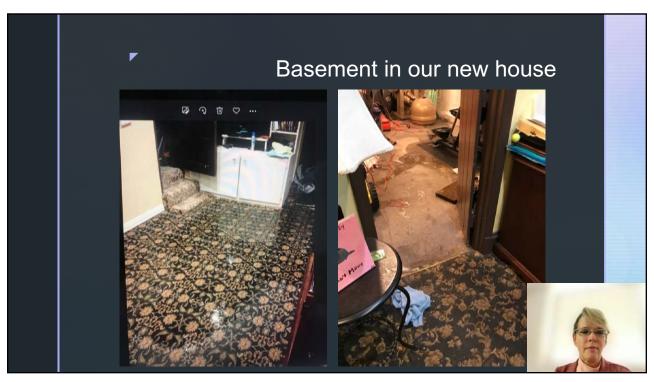


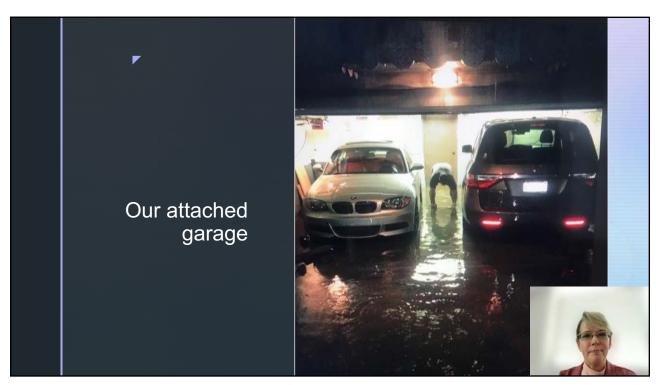


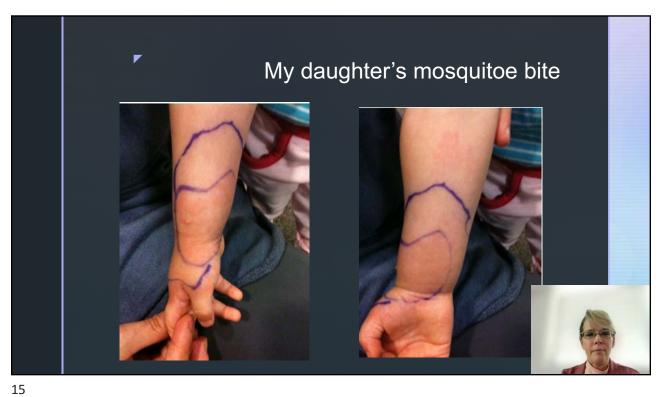








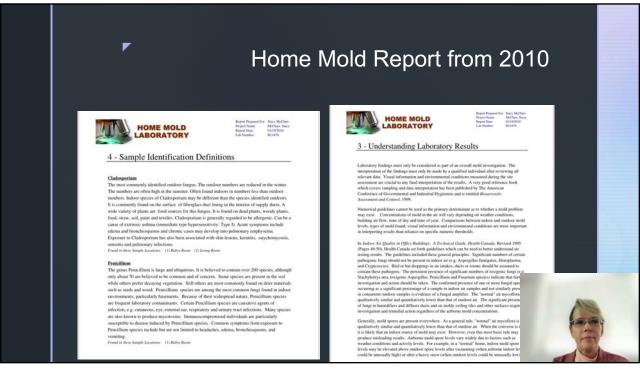


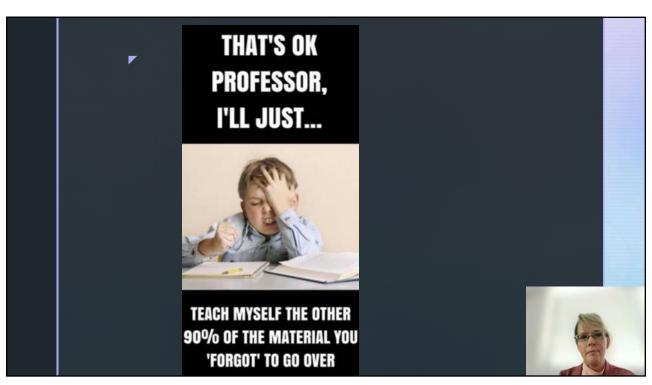




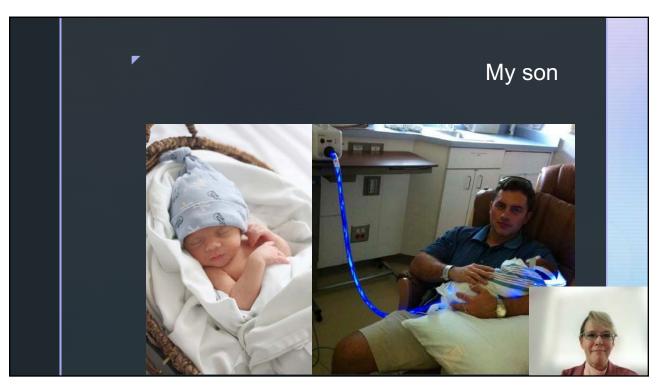


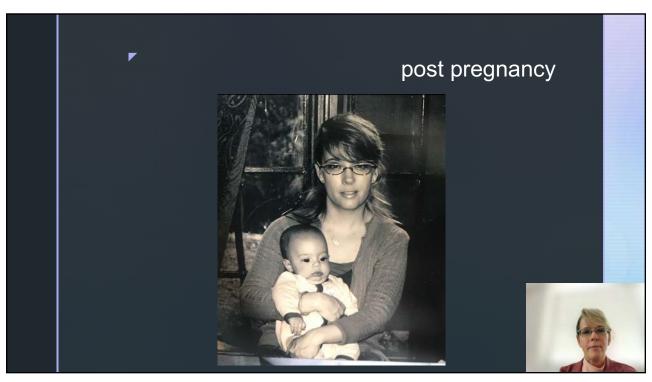


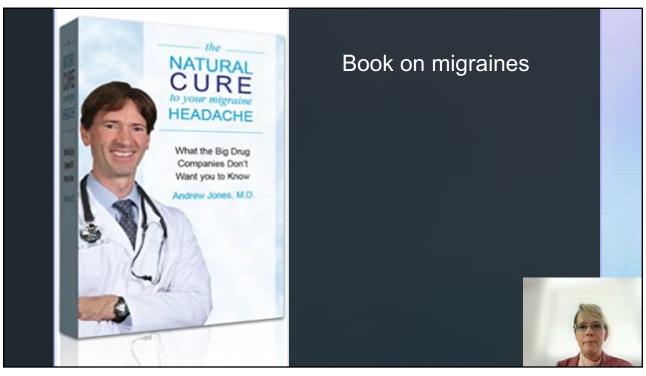


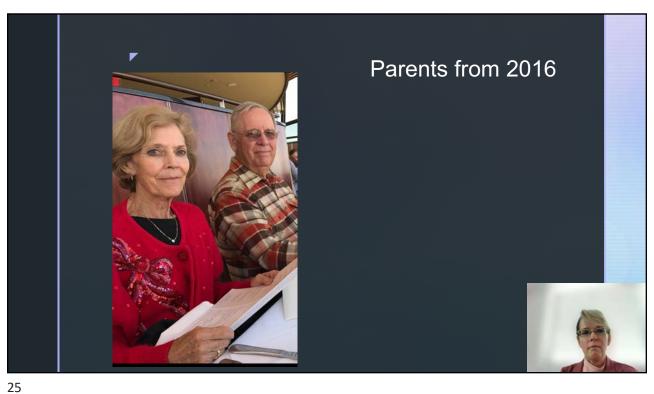




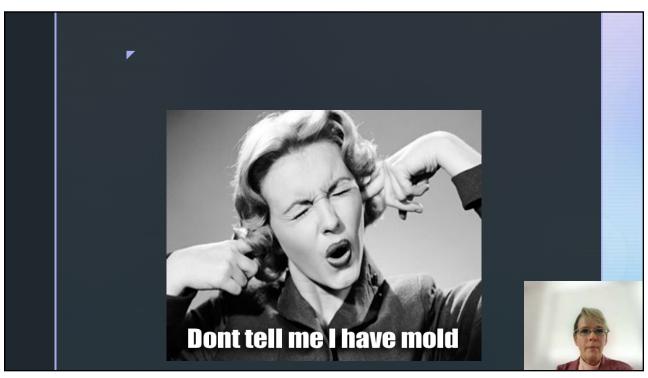


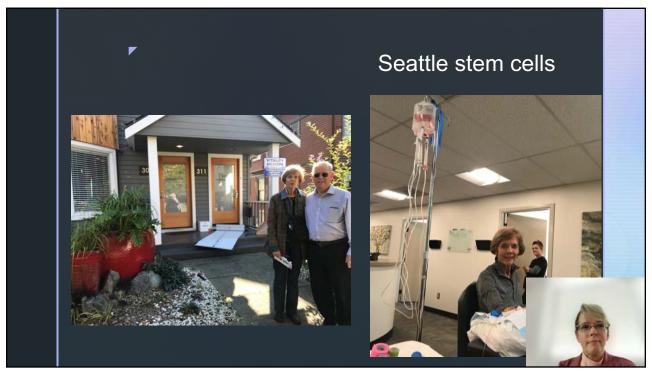


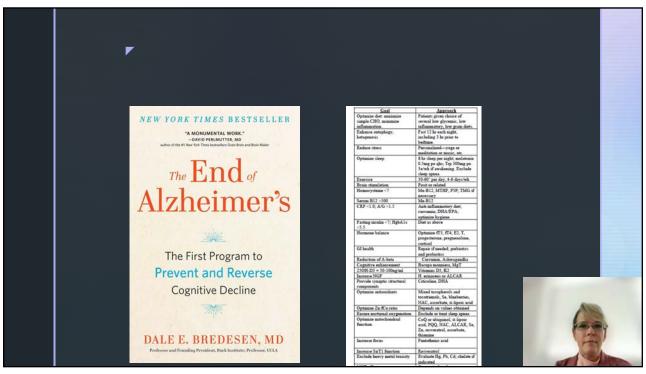


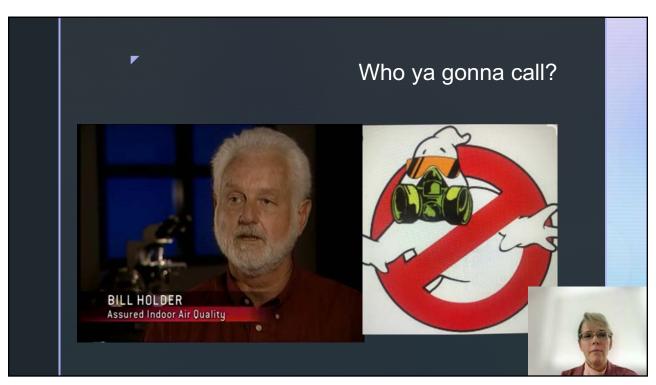


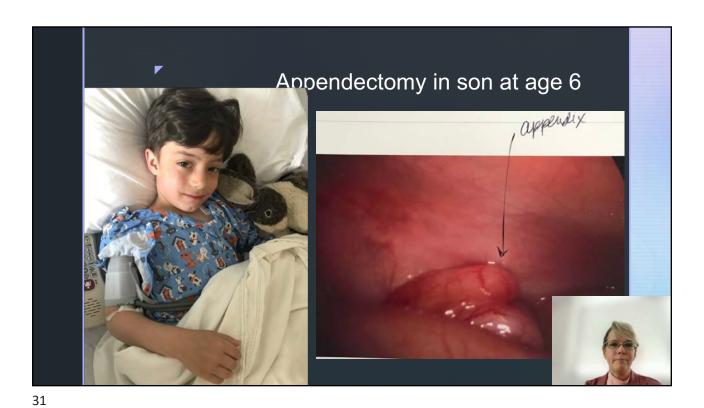






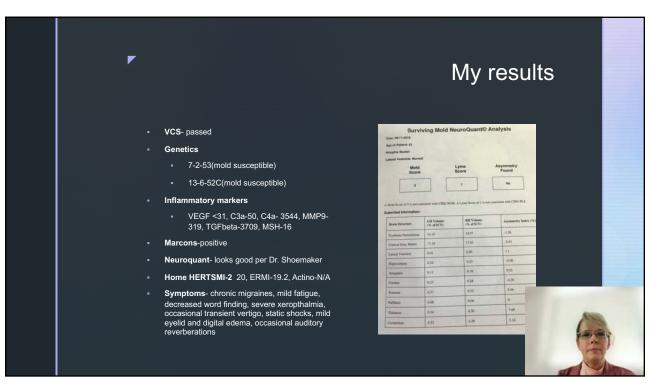


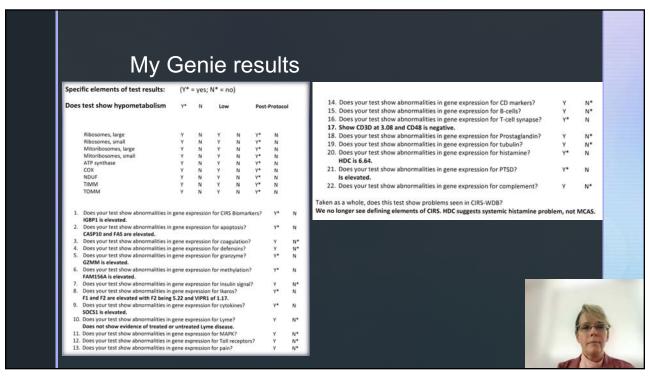


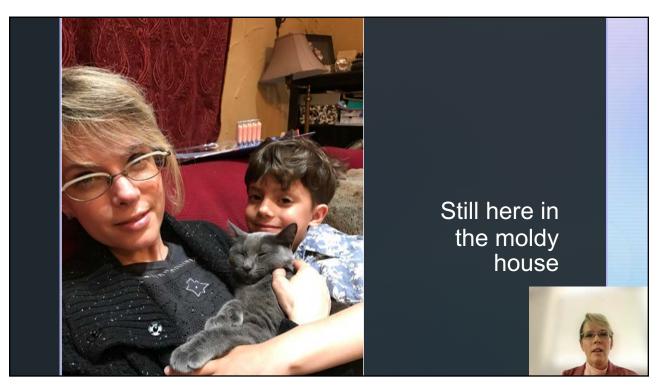


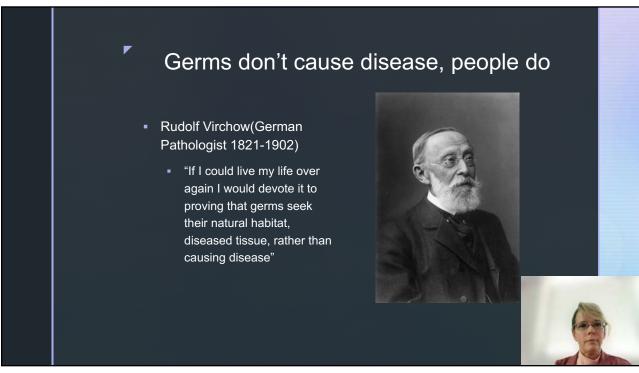
Mercury hair analysis LAB #: H160616-2586-1 CLIENT #: 35843 **PATIENT: Nicholas Mcclure** DOCTOR: Tom Long Le, MD ID: MCCLURE-N-00161 Testcountry.Com 6370 Nancy Ridge Dr #105 SEX: Male AGE: 5 San Diego, CA 92121 U.S.A. Toxic Element Exposure Profile; Hair TOXIC METALS RESULT REFERENCE INTERVAL μg/g 0.20 (As) Arsenic 0.024 (Pb) 6.0 Lead 0.53 < 2.0 Mercury (Hg) Cadmium (Cd) 0.009 0.25 1.0 Chromium (Cr) 0.36 < 0.050 Beryllium (Be) < 0.01











Louis Pastuer and Antoine Beauchamp

(1816-1908) Chemist Biologist

Physician

Healthy itsue immune to germ infection

"Biological Terrain"

Germs are Opportunists

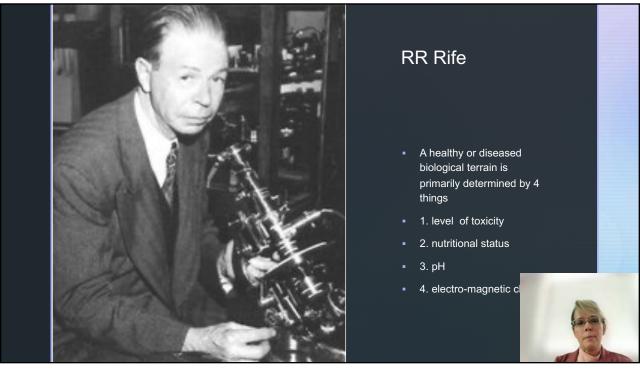
Support tissue health and wellbeing

Nutrition/Rest/Hygiene
Exercise/Emotional
wellbeing

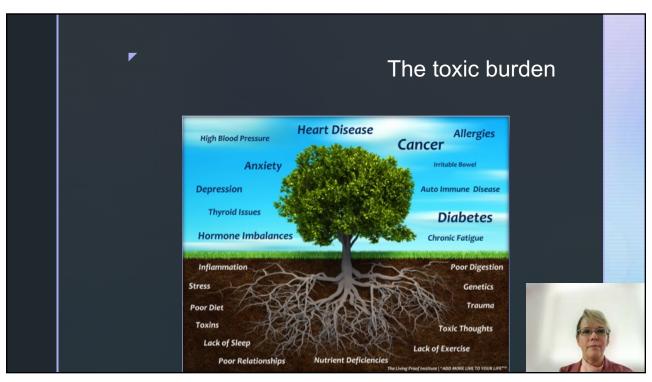
"The primary cause of disease is in usus."

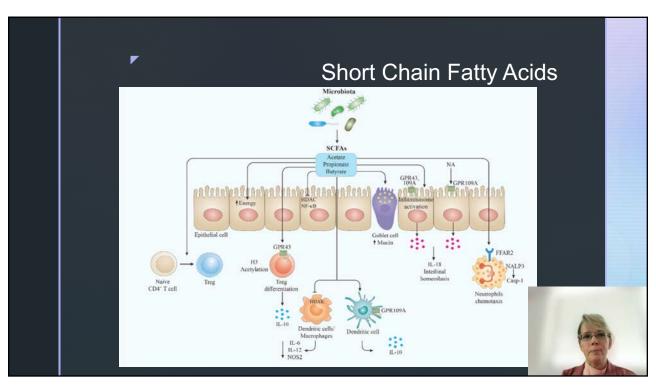
Antoine Beauch

Theory ignored obscurity









Butyrate and other short chain fatty acids(acetate, propionate)

Canfora, E., Jocken, J. & Blaak, E. Short-chain fatty acids in control of body weight and insulin sensitivity. *Nat Rev Endocrinol* **11**, 577–591 (2015). https://doi.org/10.1038/nrendo.2015.128

Main endproduct of microbial fermentation of dietary fiber

Maintenance of intestinal homeostasis and overall health status Regulation of T-regulatory cells Improved insulin sensitivity

It is well known epigenetic mechanism through the inhibition of HDAC's (histone deacetylase is an enzyme that removes the acetyl group from histone proteins on DNA, making the DNA less accessible to transcription factors)

Results in the regulation of gene expression

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- The environment can play a significant role in the production of phenotypes. However, the developmental mechanisms by which the environmental agents effect normal development are just becoming known. At least three paths have been found through which the environment can modify gene activity.
- **1. neuroendocrine route**. Here, the nervous system monitors the environment and transfers signals to the endocrine system. The endocrine hormones can then alter gene expression.
- 2. environmental factors that change the methylation pattern of genes, thereby altering their transcriptional capabilities.
- 3. The direct induction of gene expression in the host by microbial symbionts.
 - Gilbert, S.F. Mechanisms for the environmental regulation of gene express Ecological aspects of animal development. J Biosci 30, 65–74 (2005).

Dietary Regulation of Intestinal Gene Expression

- our environment may alter genes and thus be a direct influence on disease.
- Diet is a potent mechanism for altering the environment of cells of most organs, particularly the gastrointestinal tract.
 - This review addresses the influence of nutritional factors on intestinal gene regulation. These influences include insulin, which is not a dietary component but responds to dietary changes, and butyrate, a short chain fatty acid produced by normal intestinal flora.
 - Manipulation of diet may be a means of treating intestinal disorders. Nutritional treatment therefore is also discussed in the light of its effects on gene expression.
 - I.R. Sanderson and S. Naik. Dietary Regulation of Intestinal Gene Expression. Ar Nutr. 2000. 20:311-38.

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Fasting and the immune system

- During intermittent fasting, cells activate pathways that increase their defenses against oxidative and metabolic stress and remove or repair damaged molecules.
- Preclinical studies show the disease-modifying effects of intermittent fasting in animal models on a wide variety of chronic disorders, including obesity, diabetes, cardiovascular disease, cancers, and neurodegenerative brain diseases.
- Periodic opening and closing of metabolism with intermittent fasting not only provides the ketones necessary for cells to use during the fasting period, but also elicits highly regulated systemic and cellular responses to increase mental and physical performance and disease resistance.
 - The Immune System Changes Due to Intermittent Fasting. Cinicaltrials.gov. 2021.



Endocannabinoid System

- The endocannabinoid system is widely expressed in the body and deeply involved in the function of the neurological system, body metabolism, and bone homeostasis
- Our research and many other studies have demonstrated immune-regulatory properties for *Cannabis* and cannabinoid-based treatments
- in vitro studies demonstrated that cannabinoids exert microbicidal activity on different bacteria and fungi and could also control viral pathogenesis in some cases
 - Almogi-Hazan O, Or R. Cannabis, the Endocannabinoid System and Immunity-the Journey from the Bedside to Back. Int J Mol Sci. 2020;21(12):4448. Published 2020 Jun 23. doi:10.3390/ijms21124448

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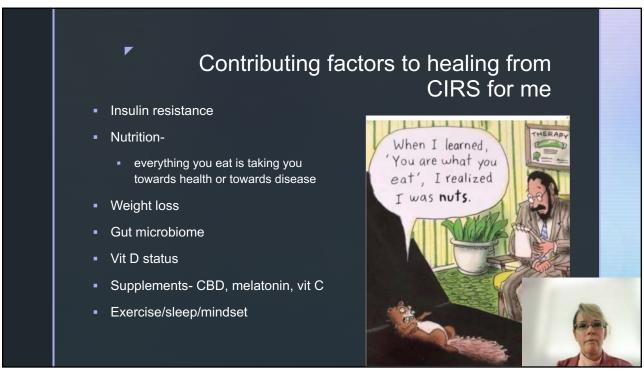
My interventions

- Dietary changes- lower carb, low grains, no sugar, no alcohol, increase in fruits and vegetables, lower meat intake, tea and water only, stevia for sweetener
- Intermittent fasting at least 12 hours daily
- Supplementation- vit D, magnesium, iodine, complex B vitamins, melatonin, CBD oil, bioidentical hormones
- Some exercise-walking, light weights and aerobic
- Sleep 7-9 hours
- Positive Mindset("Every cell in your body is Eavesdropping on your thoughts"- Depak Chopra



Safe Plastics by the Numbers Other interventions SAFEST WHAT & WHY? I have made 恋 No plastic containers, bottles for food/drink Low/no VOC's- carpet, paint, furniture, clothing Mitigation of dirty electricity/EMF- Thank you Larry Swartz! Air Filtration systems for HVAC and portable units for travel Infared sauna Low mercury diet and dental mercury amalgam removed by Biological dentist June 2022 "7, 6 and 3 is not for baby and me."

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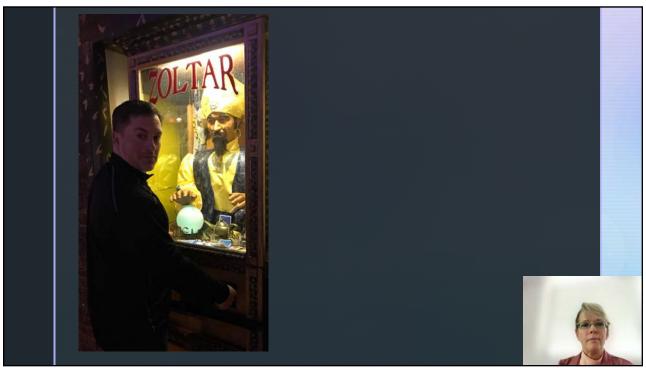
Why me?

- Is it my HLA in conjunction with these things?
- Could someone with multisusceptible gene have a similar outcome with the same approach?
- Is the quantitative amount of mycotoxins or the specific species important or the presence of Actinomyces?
- Are there co-factors at play
 - Mercury
 - EMF, dirty electricity
 - Toxins in the water
 - Glyphosate
 - Our own thoughts/beliefs
 - Telomeres/degradation rate of telomeres



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Dermatologic manifestations of CIRS that I have seen

- Alopecia(hair loss) is probably the number one thing I have seen
- Eczema/allergic contact dermatitis
- Rosacea/acne
- Vitiligo
- Delusions of parasitosis
- melanoma and lichen planopilaris ?- these conditions have skyrocketed over the past 5 years or so in my practice

