Learn how Homotoxicology can positively impact your ASD child's health through time-tested herbal, drainage and homeopathic detoxifying remedies.

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Disclaimer

This presentation is for educational and informational purposes only. Please direct all health related questions, issues and concerns to your licensed healthcare provider.
“...In the latest report, scientists at the CDC found that nearly every person they tested was packing a host of nasty chemicals, including flame retardants stored in fatty tissue and Bisphenol A, a hormone-like substance found in plastics, excreted in urine. (2) Even babies are contaminated. The average newborn has 287 chemicals in her umbilical cord blood, 217 of which are neurotoxic (poisonous to nerves or nerve cells).”

Huffington Healthy Living, The Blog
Mark Hyman, MD Become a fan Practicing physician

How Toxins Make You Fat: 4 Steps to Get Rid of Toxic Weight
Cellular Detoxification

- **Unhealthy Cell**: Only some nutrients get in, cell membrane is hard and rigid, only some waste products get out.
- **Healthy Cell**: Nutrients in, cell membrane is soft and permeable, waste products get out.
Toxins can attach to cell membranes
The Effects of Cell Toxicity

Sick & Old Cells
Contaminated with Toxins and Fatty Deposits

- Weak RNA, DNA & Genes
- Failed “Immune System” (Peroxisomes)
- Failed “Digestive System” (Golgi Apparatus)
- Failed “Respiratory System” (Mitochondrial)
- Toxins
- Clogged Pores
- Fatty Deposits
A Toxic Extracellular Matrix
Chronic Stress Can Move Us into a State of what Dr Seyle termed “Exhaustion”

* The study of Stress Biology was initially termed by Hans Selye in 1936. He defined the reaction of an organism to the stress created from challenges brought about by the environment. Those forces act as destabilizing catalysts to the physical and emotional health and structure of the organisms.

✴ 1st Phase: Adaptation - 2nd Phase: Alarm - 3rd Phase: Exhaustion

✴ “As a baby Paul had chronic ear infections, and at least nine courses of antibiotics, by age two. He was severely constipated and prescribed Miralax for about a year. He was diagnosed with PDD-NOS (considered high-functioning autism) at age three.”
THE CASCADE EFFECT
Abnormal energy metabolism was found as an underlying mechanism in some individuals with autism spectrum disorder.

*(Medscape Medical News: Disturbed Energy Metabolism May Be a Factor in Some Autism Spectrum Disorders acquelyn K. Beals, PhD October 28, 2009)*

Impaired cerebral energy and phospholipid metabolism was observed in some individuals with autism spectrum disorder.


Recent studies have challenged the “classical” definition of mitochondrial dysfunction. They suggest that a subset of ASD children may have a secondary form or mitochondrial dysfunction - with may be related to toxic exposures.

Cascade effect

Low Energy Reserves Creates Low Blood Sugars
Cascade Effect
Low blood sugars puts us in a state of chronic stress

* Wired but tired behavior
* Trouble falling asleep and staying asleep
* Light sensitivity: dilated pupils
* Craves carbohydrates
* Self-stimulatory behavior
* Delayed language and social skills
* Pale skin/no fevers/low muscle tone/rarely tans or burns
* Dull hair/slow toenail growth/little/no ear wax production
* Delayed schedule for teeth falling out
Cascade effect

Stress can cause our primary eliminative pathways to become sluggish

* Primary Emunctories
* Lungs, Kidneys, Digestion Tract/Liver, Skin, Emotions

Secondary Emunctories
* Skin, Musculo-skeletal, Mucous Membranes, Emotional Changes
Cascade Effect

Toxics build up: heavy metals, pesticides, tobacco, chemicals, radiation

Secondary Microbial Over-Growth Occurs: Such as Fungus, Yeast, Bacteria, Mold, Parasites occurs
The Cascade Effect
(end result)
“Vital Energy is a force that animates inert matter.”

* Jean Elmiger, MD and author of “Rediscovering Real Medicine” and developed Sequential Homeopathy
You must Surround the Dragon or it will always be Chancing its Tail
What is Homeopathy?

Homeopathy and is a therapeutic system founded in Germany in the 18th Century. It is based on the concept *Similia similibus curentur* ('Let like be cured by like'). The model of homeopathy uses extremely small doses of highly diluted remedies that stimulate the body’s defenses in order to regain health. Hahnemann found that if a substance can cause physical, mental, or emotional symptoms in a healthy person, then that substance can also be prepared in a specific way that cures those symptoms in a sick person.
What is Homotoxicology?

Homotoxicology is an approach to healing that integrates the treatment principles of homeopathy with modern, conventional (allopathic) therapeutics. Developed over fifty years ago in Germany by Hans-Heinrich Reckeweg, MD, the goal of homotoxicology is to detoxify the body, utilizing homeopathic remedies, to restore its natural healing ability - without negatively impacting the active immunity.

Unlike classical homeopathy, which usually dispense one remedy at a time, homotoxicologic preparations incorporate a number of substances into one formulation.
According to Dr. Reckeweg, “diseases” are merely expressions of the fight of the organism against toxins - in its attempt to react and expel them. When the body can no longer remove them, for whatever reason, the organism then tries through increased pathological ways to counteract the damage already manifested. This process functions in six phases:
The Six Phases of Homotoxicology

* The Model: Dr. Reckeweg theorized that all diseases may be categorized under three processes.

* Excretion & Inflammation (reaction) of the toxin: Such as diarrhea, skin eruptions, mucous, fever, cough, runny nose, etc.

* Deposition and Impregnation (deposit) of the toxins: Such as warts, hemorrhoids, cysts, etc.

* Degeneration and Neoplasm (exhaustion) through the actions of the toxins: Such as autism, diabetes, MS, lupus, cancer, etc.
According to the Table of Homotoxicology, in which direction is your child moving?
Impregnation Phase

In this stage the “biological division” has been crossed, and the organism has moved from the humoral phases into the cellular phases. Initial penetration of cells by toxins has ensued. Damage to cell membranes and enzymatic function has occurred.

* Chronic inflammation occurs in connective tissue. Toxins collect in the parenchyma around the organs. The tissue then reacts to the toxins with inflammation and attempts to move them within connective tissue. This chronic stress eventually leads to damage to the organ itself.

* If the accumulation of toxins continues and the accumulation of toxins continues to build, then degeneration of the organ structures may occur.
Organ structure and function is increasingly damaged.

* There is a continued degenerative assault on enzymes and genetic structures of the cells and cell membranes.
* Toxin accumulation builds, contributing to the chronic inflammatory.
* Toxins begin to create hormonal imbalances
* Toxins begin to affect the immune response
* Inflammatory and cellular defenses are suppressed
* There is a possibility that recovery of the organ and its function may no longer be possible
The Bioenergetic Therapies
What is DRAINAGE?

The physiological action that supports the body to remove toxins, without aggression, or pushing it to eliminate beyond its physiologic ability. This allows for self-regulation.

Examples of drainage therapeutics include: Lymphatic Drainage, Massage, Enemas/Colon Hydrotherapy, Sauna Treatments.
Cellular Drainage
What are Drainage Remedies?

The majority of drainage remedies are made from plants and are homeopathically prepared. Homeopathic remedies have a drainage action if their formulations are low in potency (3X, 6X, 3C, 5C). Homeopathic remedies are extremely safe and non-toxic but incredibly powerful, and have the ability to impact all stages of imbalance in the body.
Homeopathic Cellular Support Remedies

Bio-energetic cellular support products supply the body the energy it needs, without requiring additional reserves for break-down and assimilation; which are necessary when functioning on the biochemical level (digestion of food, supplements, etc.). They are designed to stimulate the production of energy (ATP), and promote cellular regeneration.

If the body is equipped with the energy it needs to begin functioning properly, it will naturally start by “cleaning house” and mobilizing the toxins towards excretion.
There are many complex-homeopathic remedies designed to assist the body in its removal of toxins ----
The release of certain microbes may create transient physical and emotional reactions

**Release responses: Physical:**
- Loose stools; hard stools; more frequent urination; runny nose; sweat; fatigue; coughing; teeth grinding; spitting

**Release responses: Emotional:**
- **Fungus and Yeast:** “Yeasty” behavior: silly; foggy; “Drunk”
- **Bacteria/Mold:** OCD; anger; transitional issues
- **Parasites:** Drama; Wired but Tired, sleep issues, Fear
What might greater health in a child with ASD look like?

Physical Level
Formed bowel movements; darker tan/sunburn - more reactive to the sun; Better Stamina; Reduced bloat; Baby teeth may start to fall out if delayed; Ability to mount fevers; muscle mass; pupils normalize

Emotional Level
As awareness increases, child could go back to where they left-off emotionally (acting like a two year old - pushing parents’ buttons, playing with old baby toys, watching old baby videos, climbing; jumping off of things)
The Tenets of Biotherapeutic Healing

* Not to interfere with the responses of the body to remove toxins
* Utilize drainage remedies to move the deeply embedded toxins - Regressive Vicariation
* Utilize homeopathic detoxifiers to assist the body in removing intracellular toxins (Regressive Vicariation)
* Support the metabolic/repair and function of the cells with vitamins, diet, minerals, etc.
The Neuroplasticity of the Brain

* In work carried on since 1978, the Arrowsmith’s school research has identified 19 specific learning dysfunctions which can be addressed by the Arrowsmith Program's methods, including such everyday problems as difficulty with talking and thinking simultaneously, retaining oral information or instructions, problem solving and mental arithmetic.”

* Arrowsmithschool.org
Effectiveness of homeopathic therapeutics in the management of childhood autism disorder

*“Results: The study demonstrated significant improvement of autistic features with mean change in ATEC score (ATEC, pre-treatment with ATEC, post-treatment) was 15.12 with ATEC means percentage change was 19.03”*

The Efficacy of Using Serial Agitated Dilutions

* The effectiveness of homeopathic preparations was further substantiated by a meta-analysis of 105 published studies reviewing the efficacy of serial agitated dilutions (SAD). The study concluded that 80% of the outcomes meeting the criteria for meta-analysis were positive.

Potentized Low-Doses of a Cytokine Solution and Allergic Asthma

An oral administration of potentized low doses of cytokine solutions not only resolved the bronchial hyper-reactive response of the mice, but normalized the cytokine levels.

The study stated, “These findings may suggest a novel approach to diseases that involve a Th1/Th2 imbalance.”

BEN

*BIRTH HISTORY
* 38 Weeks, Vaginal Delivery, 6 lbs, 12 oz, No Vaccines
* 5/6/2013 (Ben 12 months, 8 days old)
* UC Davis MIND INSTITUTE - 12 Month Assessment

* Behavioral Observations:
  Happy, Active, Eye Contact, Track Objects, +Imitation, Quiet, No Consonant Sounds, except ‘D’, No Babbling or Two Syllable Sounds (e.g. dada, baba) - No Gesture, No Crawling
# Mullen Scales of Early Learning (MSEL)

## 12 Month Assessment – 5/6/13

<table>
<thead>
<tr>
<th>Scale</th>
<th>% Rank</th>
<th>Age Equivalent</th>
<th>Functional Range</th>
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<tbody>
<tr>
<td>Gross Motor</td>
<td>1</td>
<td>7 months</td>
<td>Very Low</td>
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<tr>
<td>Visual Reception</td>
<td>12</td>
<td>10 months</td>
<td>Below Average</td>
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<tr>
<td>Fine Motor</td>
<td>46</td>
<td>13 months</td>
<td>Average</td>
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<tr>
<td>Receptive Language</td>
<td>3</td>
<td>8 months</td>
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</tr>
<tr>
<td>Expressive Language</td>
<td>1</td>
<td>5 months</td>
<td>Very Low</td>
</tr>
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</table>
* May 2012 (Ben 12.5 months)
* BEGIN HOMOTOXICOLOGY
* **Within 24-48 hours**: Crawling: Opening Kitchen Drawers: Stacking Cups
* **Within One Week**: Pulling to Stand Up and Down: Cruising Furniture: Lots of Babbling
* Recommendations: Follow up with Pediatrician, referral to A.C.R.C for OT and Speech Therapy assessment. Courtesy re-evaluation at MIND at 18 months. (Ben never received OT services).
UC DAVIS MIND Institute
Mullen Scales of Early Learning (MSEL)
12 Month Assessment – 5/6/13

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18 Month Assessment – 11/4/13 & 11/14/13

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<tr>
<th>Scale</th>
<th>Progress Gains from 12 mo. Assessment 5/6/13</th>
<th>Age Equivalent</th>
<th>Functional Range</th>
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<tr>
<td>Gross Motor</td>
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<td>8 months</td>
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<tr>
<td>Fine Motor</td>
<td>5 months</td>
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<tr>
<td>Receptive Language</td>
<td>5 months</td>
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<tr>
<td>Expressive Language</td>
<td>11 months</td>
<td>16 months</td>
<td>Average</td>
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## 24 Month Assessment – 4/7/14 & 5/13/14

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<th>Scale</th>
<th>Progress Gains from</th>
<th>T-Scores</th>
<th>% Rank</th>
<th>Age</th>
<th>Functional</th>
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</thead>
<tbody>
<tr>
<td>Gross Motor</td>
<td>7 mo.</td>
<td>51</td>
<td>54</td>
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<tr>
<td>Visual Reception</td>
<td>5 mo.</td>
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<tr>
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<td>7 mo.</td>
<td>48</td>
<td>42</td>
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<td>Average</td>
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## 36 Month Assessment – 5/4/15 & 5/11/15

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<th>Progress Gains From 24 mo. Assess 5/13/14</th>
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<tr>
<td>Receptive Language</td>
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<td>54</td>
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<tr>
<td>Expressive Language</td>
<td>12 mo.</td>
<td>49</td>
<td>46</td>
<td>35 mo.</td>
<td>Average</td>
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Ben

* 6/7/13 (Ben 13 months, 10 days old)
* **EARLY INTERVENTION PHYSICAL THERAPY ASSESSMENT**
* Gross Motor: Represented at 9-11 months.
* 2-5 months, or 31% progress in 4 weeks.
Ben

* 6/13/13 (Ben 13.5 months)
  * +Transitioning from sitting and quad, from lying.
  * +Transitioning form sitting to floor.
  * +Pulling to stand with ½ kneel at low table.
  * Creeping: +Creeps independently on level surfaces.
  * Standing: +Stands at wall or low table with upper extremity support.+Stands with 1-2 hands held.
  * Walking: +Cruising at couch.+Walks with 2 hands held.

* Recommendations: Excellent progress in 2 weeks. Excellent potential for progress. Short term PT 1 x per week.
Ben

* 6/13/13 (Ben 13.5 months)
* **A.C.R.C. EARLY INTERVENTION SPEECH AND LANGUAGE ASSESSMENT**
  * The Rossetti Infant-Toddler Language Scale
  * Play Skills: + Interaction Skills WNL+ Gestures and Plays Skills WNL+ Motor Imitation and likes to be Imitated+ Reciprocity+ Anticipation of Play Activities+ Observant
  * Language Comprehension: Represented at 9-12 months level. **1-4 months progress in 5 weeks.**
  * Language Expression: Represented at 9-12 months level. **5-7 months progress in 5 weeks.** Voice/Fuency:
    * Voice Quality Age Appropriate
  * Recommendations: Speech Therapy services 1x week.
  * Despite fact that Ben did not technically qualify for Speech Therapy because of the fact that his delay was not impacted enough, A.C.R.C did allow for in home Speech Therapy 1 x per week.
Ben

* 5/4/15 and 5/11/15 (Ben 36.5 months)
* UC Davis MIND INSTITUTE - 36 Month Assessment
* Conclusions: Developmental and social assessments indicated typical development, with no significant developmental concerns. Language, visual reasoning and fin motor skills average for age. Many socially appropriate behaviors. Many areas of developmental and social strengths.
* Recommendations: Continue modulating eye contact in a more flexible manner, both when approaching and responding to others
Ben and his older Brother
Thank you!