Improving Patient Outcomes by adding Ionic Detoxification to Hyperbaric Therapy

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Dave Dornfeld DO - Bio

31+ years Integrative Family Medicine in NJ-UNECOM ’84
Board Certified Family Practice - ACOFP

- ACAM member since 1994 (now on Board of Directors).
- 23rd physician in the World to pass Board Examinations in Anti-Aging under the International Society of Anti-Aging and Longevity Medicine 2000
- Trained by Paul Harch MD et. al. @ IHA workshops ACAM 2004.
- Speaker 13+ years nationally and internationally training physicians on Preventive Medicine, Hyperbaric and Chelation Therapies - A Powerful Combination.
- Completed Fellowship in ASD training thru MAPS 2013
- Clinical Faculty at Autism Education Summit, Autism One, MAPS, TACA, NAA, Univ. Med. Dentistry-NJ
- Certified in Chelation Therapy from ACAM 2009 (& recertified 2017)
- ILADS trained “Lyme Literate Medical Doctor” 2009-present
- Moderator and organizer for most recent International Hyperbaric Association training conference Costa Mesa, June 2018
GOAL: Keep our Diet and Environment as Toxin - Free as possible, in order to Promote the Quality of Life and PREVENT Disease
Has been very beneficial in helping patients for “off-label indications” including:

- Autistic Spectrum Disorders; ADD / ADHD / PDD / Asp
- Parkinson's Disease
- Multiple Sclerosis
- Auto Immune disorders/ Arthritis / Scleroderma
- Crohn's disease / Inflammatory Bowel Disorders
- Chronic infections - i.e.. Yeast / Bacterial / Viral
- Lyme disease / Immune dysfunction
- Stroke / Memory loss / Traumatic Brain Injury / Migraine Headaches
- Improve fracture healing rates - ~40%
- Myasthenia Gravis / Soft tissue injury resolution
- Cancer, cerebral palsy, CFS, Fibromyalgia, etc…….
Common conditions that have disorders controlling

**Inflammation**          **Detoxification**
**Oxidative Stress**

- Heart Disease
- Alzheimer’s Dx
- Allergies
- Arthritis
- MS/Parkinson’s
- Crohns / Colitis
- Chronic Fatigue
- Neuropathy
- Traumatic Brain Injury

- Autism / ASD
- Cancer
- Auto-Immune Dx
- Memory Loss
- Diabetes
- Lyme Disease
- Vasculitis
- Fibromyalgia
- (Many Other Dx)

Hyperbaric Therapies can Markedly improve many of these conditions, especially when you Enhance Detoxification for the patient.
When safely administered, Chelation Therapy has been proven extremely beneficial in 73-75% of the time, when 12,000+ ASD parents have been questioned. (DAN!-ARI poll 2007-2012)

It had the best rating from parents for all forms of therapy offered in the “DAN! Protocol”.

Challenges of having a child sit for IV infusions have been a limiting factor for many. The IonCleanse by AMD may become a valuable alternative to enhance Heavy metal excretion via the kidneys.

When combined with Hyperbaric Therapy - amazing results seen in many kids and adults with inflammatory disorders
SPECT scans in a 4 year old Autistic child after 10 Hyperbaric therapy at 1.3 atm and 24% oxygen

BEFORE

AFTER 10 tx
Autism: Considerable evidence exposing many persistent pollutants as causative determinants in autistic spectrum disorder

CDC figures. http://www.cdc.gov/mmwr/preview/mmwrhtml/ss6103a1.htm?s_cid=ss6103a1_w
Detoxification in ASD: Why is it important?

Association between Toxins and ASD

- Heavy Metals (mercury, lead, arsenic, aluminum, cadmium, nickel, tin, antimony)
- Pesticides ie. Glyphosate
- Polychlorinated biphenyls (PCBs)
- Solvents
- Diesel exhaust
- Phthalates

Grandjean and Landrigan, Developmental neurotoxicity of industrial chemicals, Lancet, 2006, 368 (9553)2167-78
Detoxification in ASD: Why is it important?

Glyphosate and Autism*

Pearson Correlation Coefficient = 0.985

Detoxification in ASD: Why is it important?

Many Children with ASD exhibit impaired detoxification

- Metabolic dysfunction
  - Mitochondrial dysfunction
  - Oxidative Stress increased
  - Methylation/Transsulfuration dysfunction
- Detoxification dysfunction
- Genetic mutations/Epigenetic effects
- Increased toxic burden

Epigenetic Mutations

MTHFR - methylation

MAOA - metabolic

CYP - transport

CBS - detox

NAT - detox

SOD - detox
Detoxification: How Does it Work? Definition:

The metabolic process by which toxins are changed into less toxic or more readily excretable substances. Detoxification begins at the cell, then to the liver, then to an organ for excretion such as the gut, kidneys, lungs or skin where elimination occurs.
Reducing the Toxic load within the body improves patients outcomes.

Detox is a Critical Step

Toxicants and toxicity interfere with every system of the body. Detoxification with the IonCleanse® by AMD paves a clearer path to success by helping the body’s normal systems and processes function without these impediments. When you incorporate the IonCleanse® by AMD into a health plan, almost every other therapy or intervention may have a greater impact on the health of your client.

Please Note: These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, prevent, treat, mitigate, or cure a disease, including autism.
Detoxification: How Does it Work?

Cell Membrane opens to allow for the absorption of amino acids, nutrients and oxygen.

Cell Membrane opens to allow for the release of cellular waste, toxins, heavy metals.
Detoxification Interventions

- **Chelators**
  - Oral, Rectal, IV-(best route), Transdermal
  - CaEDTA, Disodium EDTA, DMSA, DMPS, ALA, Herbals, Vit C, Glutathione, Phos. Choline etc.

- **Binders**

- **Far IR Sauna**

- **IonCleanse by AMD** = Easy to use with ASD, No IV needles, water is calming, no discomfort.
### Toxicants

<table>
<thead>
<tr>
<th>Positively Charged</th>
<th>Negatively Charged</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Metals</td>
<td>Ammonia</td>
</tr>
<tr>
<td>Radiologics</td>
<td>Mycotoxins</td>
</tr>
<tr>
<td>Pesticides</td>
<td>Endotoxins</td>
</tr>
<tr>
<td>Histamines</td>
<td>Herbicides</td>
</tr>
<tr>
<td></td>
<td>Candida</td>
</tr>
<tr>
<td></td>
<td>Organic Acids</td>
</tr>
</tbody>
</table>
The Future of Detoxification

- Total Body Detoxification
- Safe
- Non-Invasive
- Medical Grade Safety
- Patented Technology
- 15 year history
- Made in U.S.A
- A+ BBB rating

IonCleanse by AMD

Toxins Removed:
- Mercury
- Cadmium
- Aluminum
- Lead

* Referring to heavy metals. Other harmful toxins are also removed.
IonCleanse by AMD: Clarifications

- AMD Office Same Day 1/15/16
- 3 Different People
- Same Tap Water
- Same Array Plates
- Different Results
Documented Results
Autism– TMR Study

- Autism Treatment Evaluation Checklist (ATEC) changes analyzed by The Thinking Moms Revolution

- 27 participants

- 3 days of cleansing, 1 day off, repeated for 4 months of use.

- Results: 55% Average ATEC Reduction

(64% for Teenagers)
Positive Results for All Age Groups

• Teenagers: Average ATEC reduction was 64%

• Ages 10–12: Average ATEC reduction was 57%

• Ages 4 – 9: Average ATEC reduction was 45%
Glyphosate Evaluation

- 2018
- Great Plains Labs
- 30 day period
- 9 in control
- 10 in therapy group
- 12 sessions (M, W, F)

Glyphosate level vs. baseline test

- Control: -14%
- IonCleanse Therapy: -48%
**Auto-immune**

**Myasthenia Gravis - 2017**

- MSEC Myasthenia Gravis Evaluation Checklist

- 17 participants over the course of 90 days

**Results:**

- Control Group had a 5% Increase in Symptomology

- Therapy Group had a 38% Reduction in Symptomology
Hospitalizations

MG-Related Hospitalizations

Control: 17 total participants
10

Study Group: 7 total participants
0
Heavy Metals – Urine excretion

Control
- 24 Hour Urine Collection – send to Genova Labs
- Repeat process for a total of 5 days
- Total metal excretion for 5 days

1 IonCleanse by AMD 30-minute session

Post Session
- 24 Hour Urine Collection – send to Genova
- Repeat process for a total of 5 days
- Total Metal excretion for 5 days

Compare Excretion level
Control vs. Post IonCleanse by AMD session

<table>
<thead>
<tr>
<th>Age</th>
<th>Gender</th>
<th>Control*</th>
<th>Therapy*</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>M</td>
<td>207.024</td>
<td>259.153</td>
<td>25.18%</td>
</tr>
<tr>
<td>5</td>
<td>M</td>
<td>15.286</td>
<td>16.663</td>
<td>9.01%</td>
</tr>
<tr>
<td>6</td>
<td>M</td>
<td>163.838</td>
<td>260.943</td>
<td>59.27%</td>
</tr>
<tr>
<td>8</td>
<td>M</td>
<td>52.906</td>
<td>42.467</td>
<td>-19.73%</td>
</tr>
<tr>
<td>9</td>
<td>M</td>
<td>93.977</td>
<td>161.857</td>
<td>72.23%</td>
</tr>
<tr>
<td>9</td>
<td>F</td>
<td>81.93</td>
<td>87.516</td>
<td>6.82%</td>
</tr>
<tr>
<td>10</td>
<td>M</td>
<td>142.308</td>
<td>158.082</td>
<td>11.08%</td>
</tr>
<tr>
<td>36</td>
<td>M</td>
<td>429.096</td>
<td>1089.665</td>
<td>153.94%</td>
</tr>
<tr>
<td>36</td>
<td>F</td>
<td>45.939</td>
<td>49.467</td>
<td>7.68%</td>
</tr>
<tr>
<td>36</td>
<td>M</td>
<td>68.281</td>
<td>71.694</td>
<td>5.00%</td>
</tr>
<tr>
<td>55</td>
<td>F</td>
<td>23.976</td>
<td>28.2</td>
<td>17.62%</td>
</tr>
<tr>
<td>69</td>
<td>M</td>
<td>857.293</td>
<td>1387.462</td>
<td>61.84%</td>
</tr>
</tbody>
</table>

Average increase of metal excretion post therapy: 34.16%

Analyte List
- Antimony
- Arsenic
- Barium
- Bismuth
- Cadmium
- Cesium
- Creatinine
- Gadolinium
- Gallium
- Lead
- Mercury
- Nickel
- Niobium
- Platinum
- Rubidium
- Sulfur
- Thallium
- Thorium
- Tin
- Tungsten
- Uranium
What makes the IonCleanse so effective?

1) Proprietary process to create clean, filtered current for relaxation

2) Dual polarity process to address all excretions in the body for true, systemic detoxification

- 5 different program modes
  - Different output ratios of -/+ ions
Total body relaxation and detoxification system
Safety

External Medical Grade Power Supply

• Safe from “accidents”
• Safe from power surges
• Clean filtered current
• EMF’s
• No Dirty Current - Leakage current, hazardous voltage, AC ripple, etc.
Patented design Process


AMD’s patented process in the array design, enables the system to create an abundance of negatively charged ions. It will then switch polarity and the create an abundance of positively charged ions.

316 stainless steel
The Vicious Cycle

- Infection
- Epigenetic Changes
- Impaired Detox
- Nutritional Deficiency
- Impaired Immune Function
- Toxins
LYMPHATIC Drainage Enhanced

Diagram showing the lymphatic system with lymphatic capillaries, lymph nodes, valves, pulmonary capillaries, and systemic circuit.
The Perfect compliment to HBOT

HBOT

Ionic Detoxification
HBOT & IonCLeanse by AMD

**Step 1** – Hyperbarics

**Step 2** – IonCLeanse by AMD
**Lyme Disease**

(a) *Exotoxins* are produced inside mostly gram-positive bacteria as part of their growth and metabolism. They are then secreted or released following lysis into the surrounding medium.

(b) *Endotoxins* are part of the outer portion of the cell wall (lipid A; see Figure 4.12c) of gram-negative bacteria. They are liberated when the bacteria die and the cell wall breaks apart.

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**IonCleanse Premier – Mode 5**

10 Minutes of + ions ➔ 15 minutes of – ions ➔ 5 minutes of + ions
The Perfect compliment

- Use after hyperbarics (each time)
- Charge separately or include
- National average is $40/session
- Easy to implement
- Guaranteed results
Thank you for your attentive interest

When you get a chance, please view “Mitchell’s”, “Calvin’s” and “Ron’s” video testimonials from my website/and written ones from Joshua and Mike, et. al.

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I will try to answer any questions now