Improving Patient Outcomes by adding Ionic Detoxification to Hyperbaric Therapy

David Dornfeld DO
Family Wellness Center
Middletown, NJ
drdavedornfeld@gmail.com

HBOT 2018
Denver, Colorado
www.familywellnesscenternj.com
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
Mild Hyperbaric Oxygen Therapy

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***

![Graph showing correlation between autism and glyphosate use](chart)

**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.
THE PROCESS OF DETOXIFICATION AND ELIMINATION

Toxins Enter Through:
- Lungs
- Skin
- Gut/Intestine

Liver (Primary detoxifying organ)

Toxins Exit Through:
- Skin
- Kidneys
- Colon
- Lungs

Excess Toxins Get Stored In:
- Fat Cells
- Bone Marrow
- Liver
- Central Nervous System/Brain

Side Effects & Signs of Toxicity:
- acne/skin rashes
- allergies
- arthritis/joint pain
- autoimmune disorders
- cardiovascular disease
- chronic fatigue
- constipation
- diabetes
- diarrhea
- fibromyalgia
- headaches
- hormone imbalance
- inflammatory disorders
- IBS
- neurologic disorders
- obesity/overweight

Fat-Soluble Toxins (e.g., pesticides, hormones, heavy metals) Have Affinity For:
- Fat Cells
- Bone Marrow
- Liver
- Central Nervous System/Brain

Water-Soluble Toxins (e.g., metals, sugars, synthetic chemicals) Have Affinity For:
- Joints
- Blood
- Tissues
- Muscles
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

**Positively Charged**
- Heavy Metals
- Radiologics
- Pesticides
- Histamines

**Negatively Charged**
- Ammonia
- Mycotoxins
- Endotoxins
- Herbicides
- Candida
- Organic Acids
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: 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

IonCleanse Therapy

-14%

-48%
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

43% Difference
Hospitalizations

MG-Related Hospitalizations

Control
17 total participants

Study Group
0 total participants
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.
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 create an abundance of positively charged ions.
The Vicious Cycle

- Infection
- Epigenetic Changes
- Impaired Detox
- Nutritional Deficiency
- Impaired Immune Function
- Toxins

LYMPHATIC Drainage Enhanced
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.

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.

David Dornfeld, DO
Family Wellness Center
1680 State Highway 35
Middletown, NJ
(732) 671 3730
www.familywellnesscenternj.com
drdavedornfeld@gmail.com

I will try to answer any questions now