

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

Dave Dornfeld DO - Bio

31+ years Integrative Family Medicine in NJ-UNECOM '84

Board Certified Family Practice - ACOFP

- Diving Medicine certified UHMS/DAN 1992.
- 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

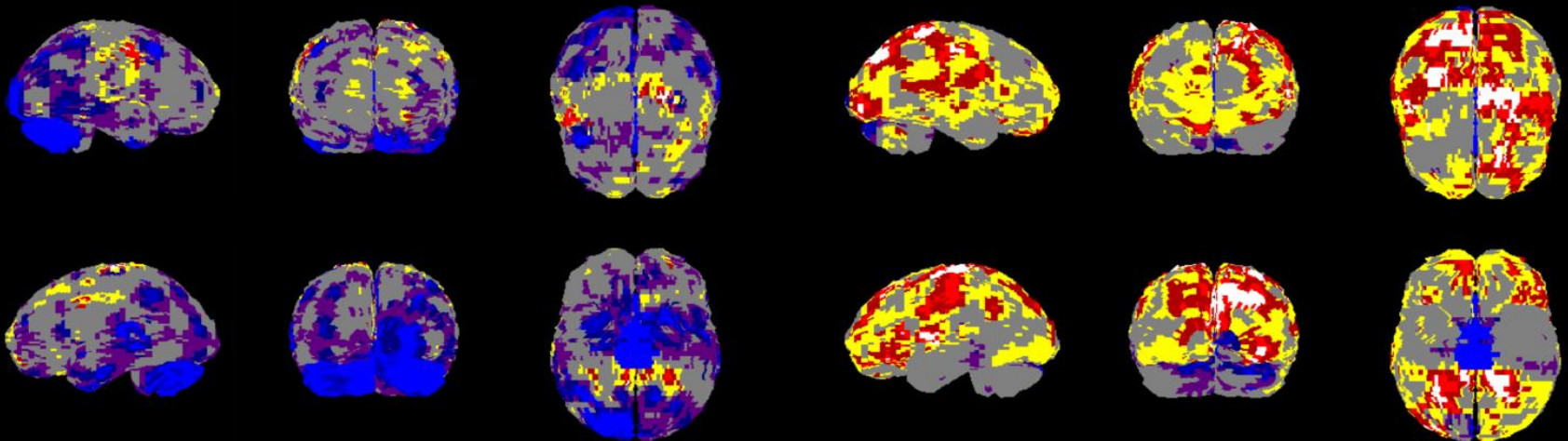
“A Powerful Combination” Hyperbaric Therapy and Heavy Metal Detoxification

- 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

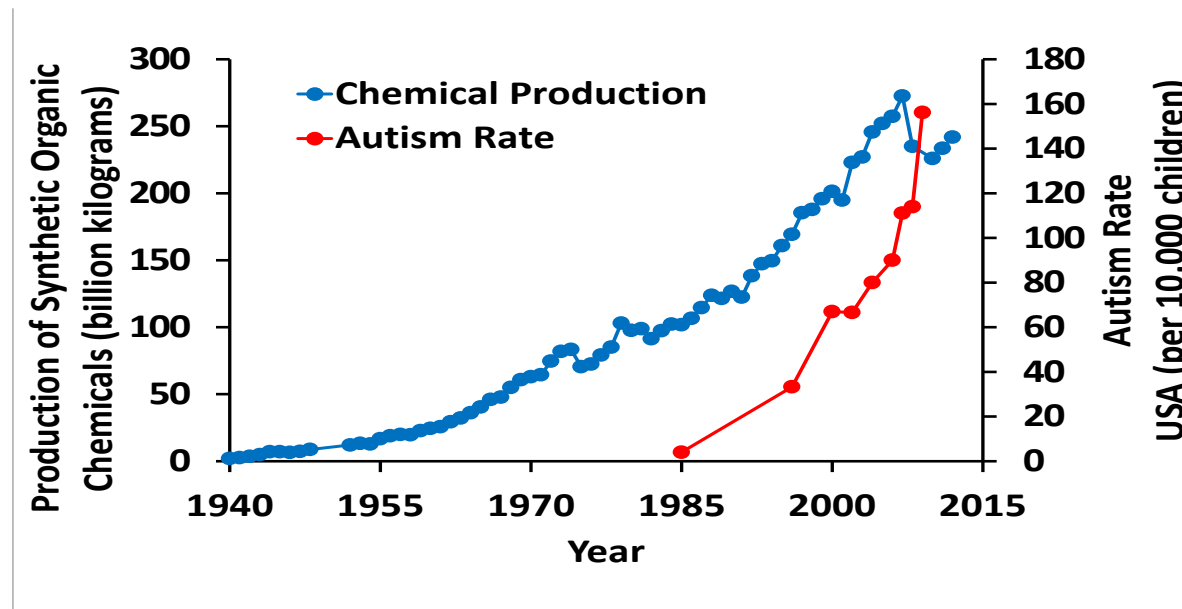
SPECT scans in a 4 year old Autistic child after 10 Hyperbaric therapy at 1.3 atm and 24% oxygen

BEFORE

AFTER 10 tx



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



Rossignol D et al. Environmental toxicants and autism spectrum disorders: A systematic review. Translation Psych. 2013.

CDC figures. http://www.cdc.gov/mmwr/preview/mmwrhtml/ss6103a1.htm?s_cid=ss6103a1_w

Prevalence of Autism Spectrum Disorders --- Autism and Developmental Disabilities Monitoring Network, United States, 2006. MMWR 2009; 58(SS10):1-20.

Geier MR, Geier DA. Thimerosal in childhood vaccines, neurodevelopment disorders, and heart disease in the United States. J Am Phys Surg. 2003;8(1):6-11.

Production of Synthetic Organic Chemicals. The Paradox of Progress: Environmental Disruption of Metabolism and the Diabetes Epidemic.

<http://diabetes.diabetesjournals.org/content/60/7/1838.full#ref-72>. Updated from: Neel BA & Sargis RM. Diabetes 2011;60:1838-48.

Detoxification in ASD: Why is it important?

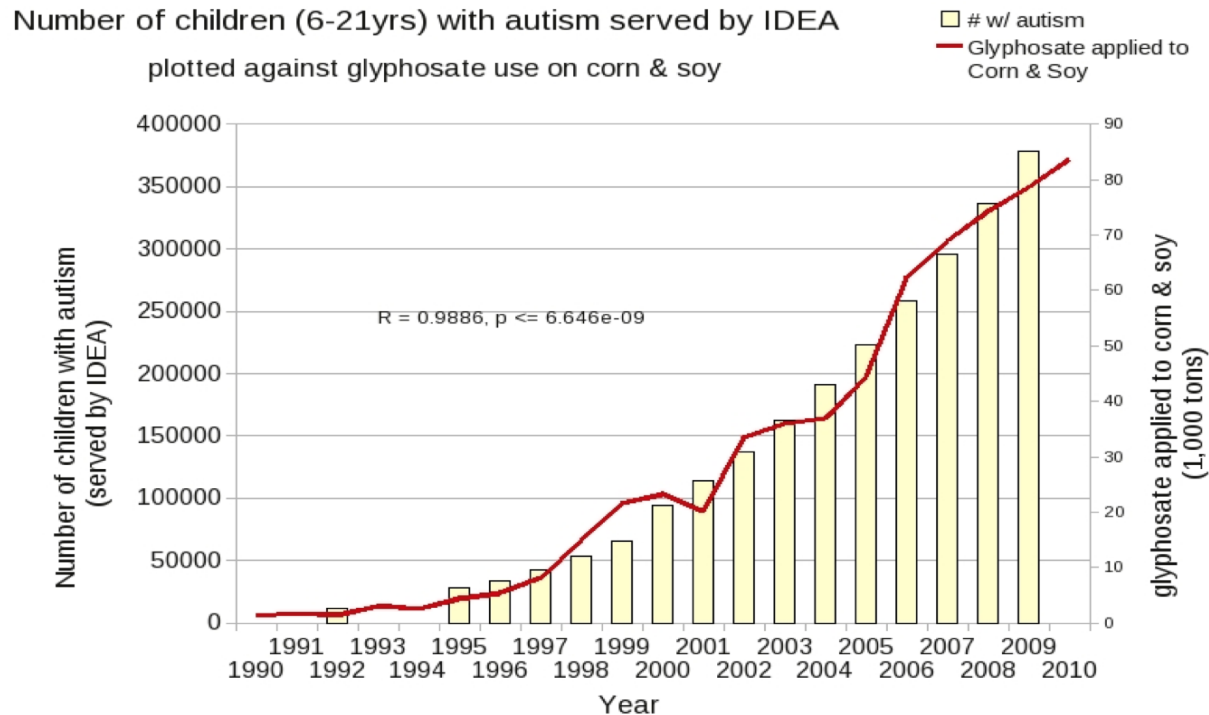
Association between Toxins and ASD

- 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
Nevison CD. A comparison of temporal trends in United States autism prevalence to trends in suspected environmental factors. *Environmental Health*. 2014;13:73. doi:10.1186/1476-069X-13-73.

Detoxification in ASD: Why is it important?

Glyphosate and Autism*



Pearson Correlation Coefficient = 0.985

*Nancy Swanson, <http://www.examiner.com/article/data-show-correlations-between-increase-neurological-diseases-and-gmos>

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

Edelson and Cantor, Autism: xenobiotic influences. *Toxicol Ind Health*. 1998 Jul-Aug;14(4):553-63.

Adams JB, Audhya T, McDonough-Means S, et al. Nutritional and metabolic status of children with autism vs. neurotypical children, and the association with autism severity. *Nutrition & Metabolism*. 2011;8:34. doi:10.1186/1743-7075-8-34.



Epigenetic Mutations

MTHFR - methylation

MAOA - metabolic

CYP - transport

CBS - detox

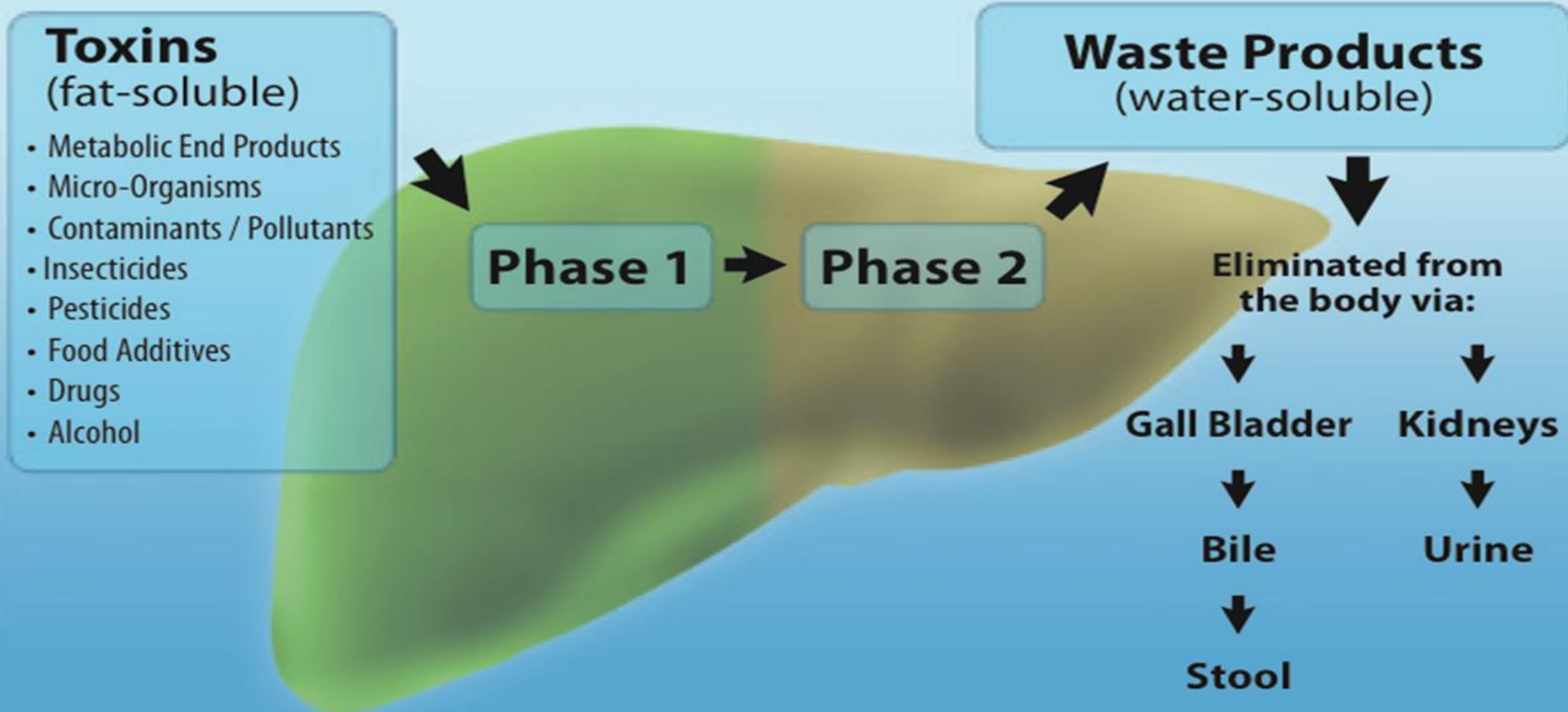
NAT - detox

SOD - detox

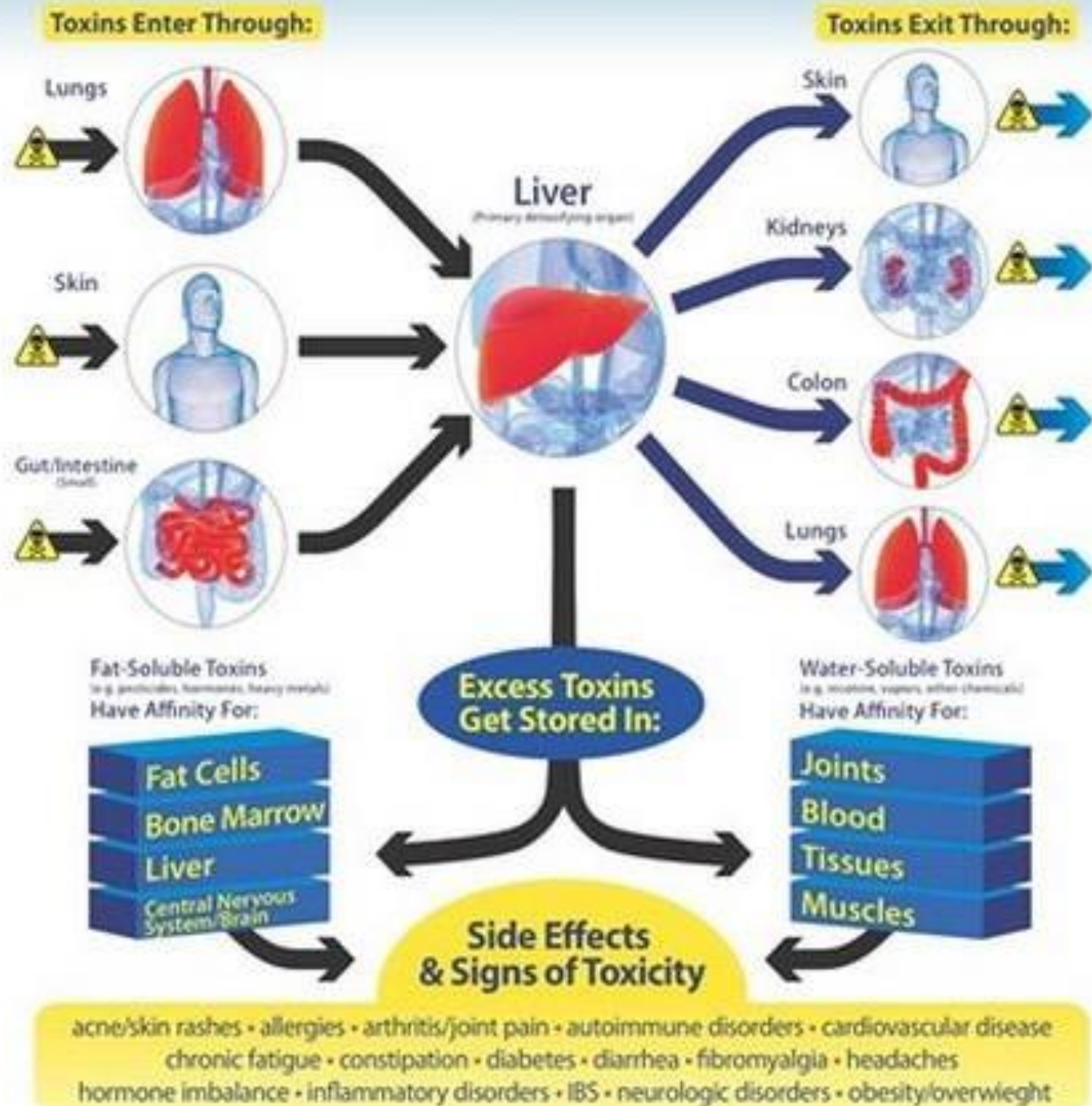
Detoxification: How Does it Work? Definition:

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



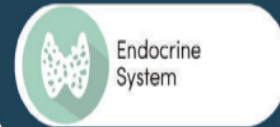
**Reducing
the
Toxic load
within the
body-
Improves
patients
outcomes.**

Detox is a Critical Step

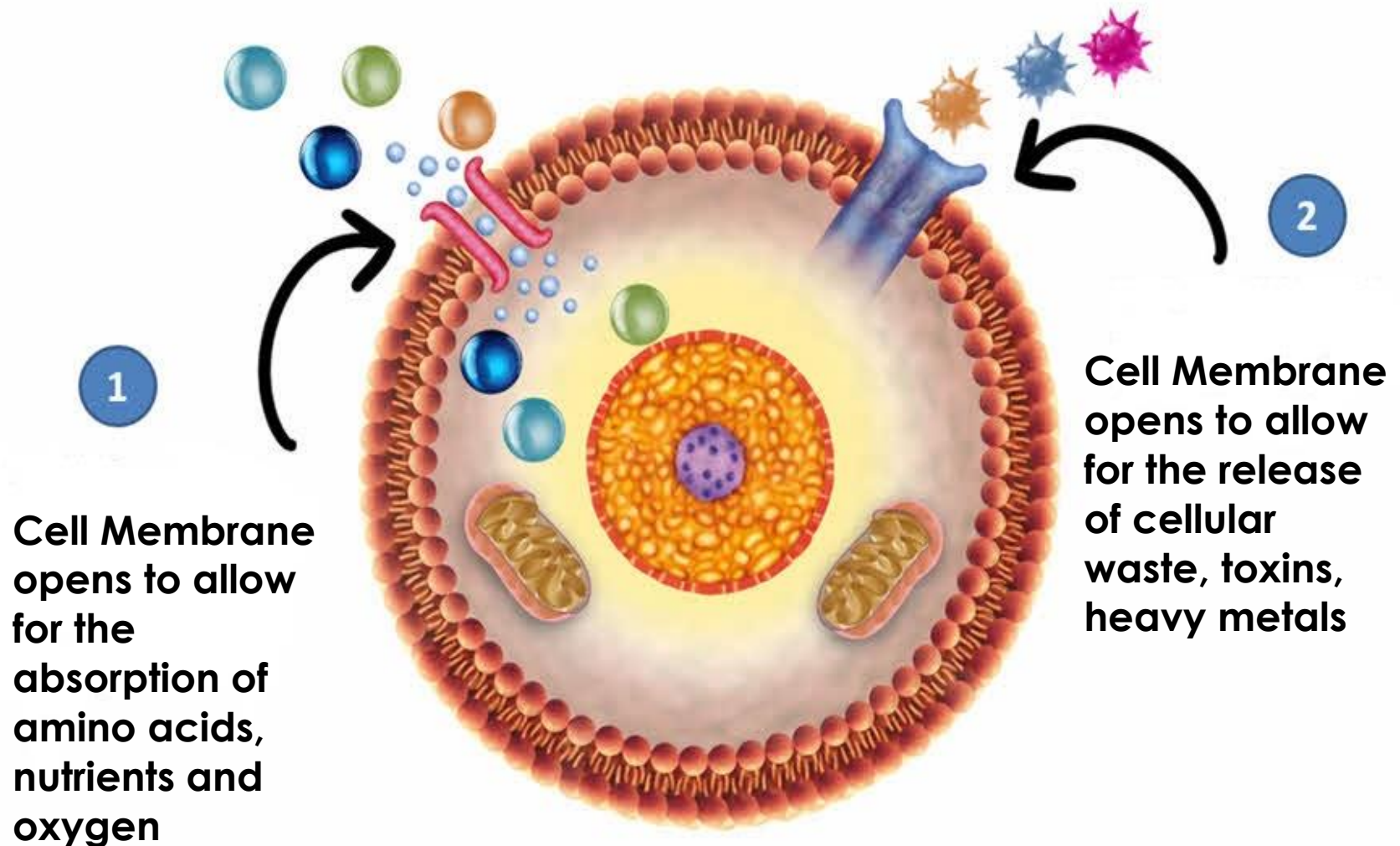
Toxicants and toxicity interfere with every system of the body. Detoxification with the IonCleanse® by AMD paves a clearer path to success by helping the body's normal systems and processes function without these impediments. When you incorporate the IonCleanse® by AMD into a health plan, almost every 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.

Systems of the Body Affected by Toxins



Detoxification: How Does it Work?





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

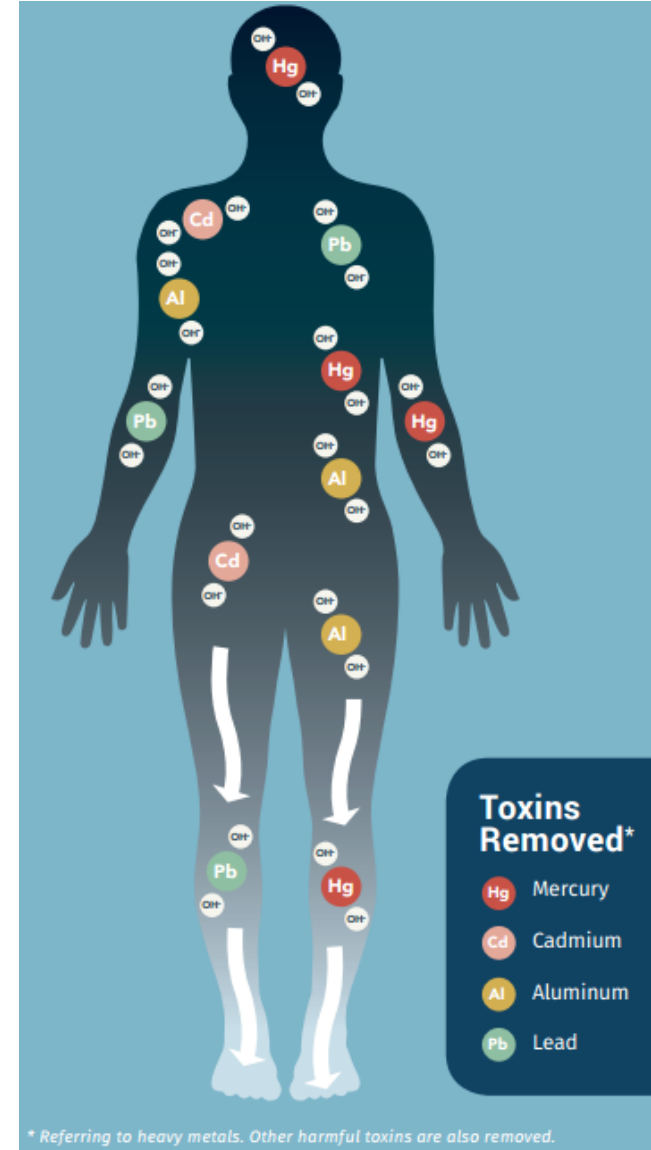
Negatively Charged

- .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

Autism– TMR Study

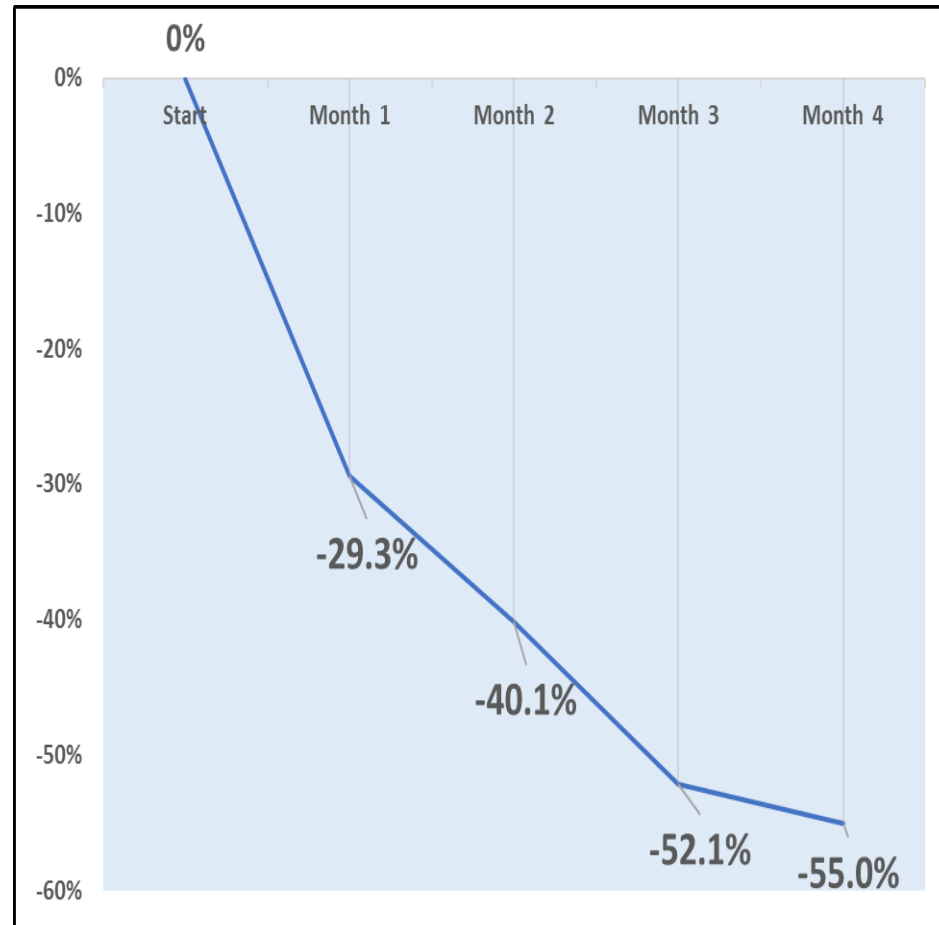
.**Autism Treatment Evaluation Checklist(ATEC)** changes analyzed by The Thinking Moms Revolution

.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

Glyphosate Evaluation

.2018

.Great Plains Labs

.30 day period

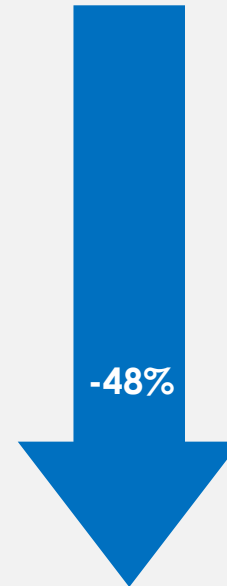
.9 in control

.10 in therapy group

.12 sessions (M,W, F)

Control

IonCleanse Therapy



Glyphosate level vs. baseline test

Auto-immune

Myasthenia Gravis - 2017

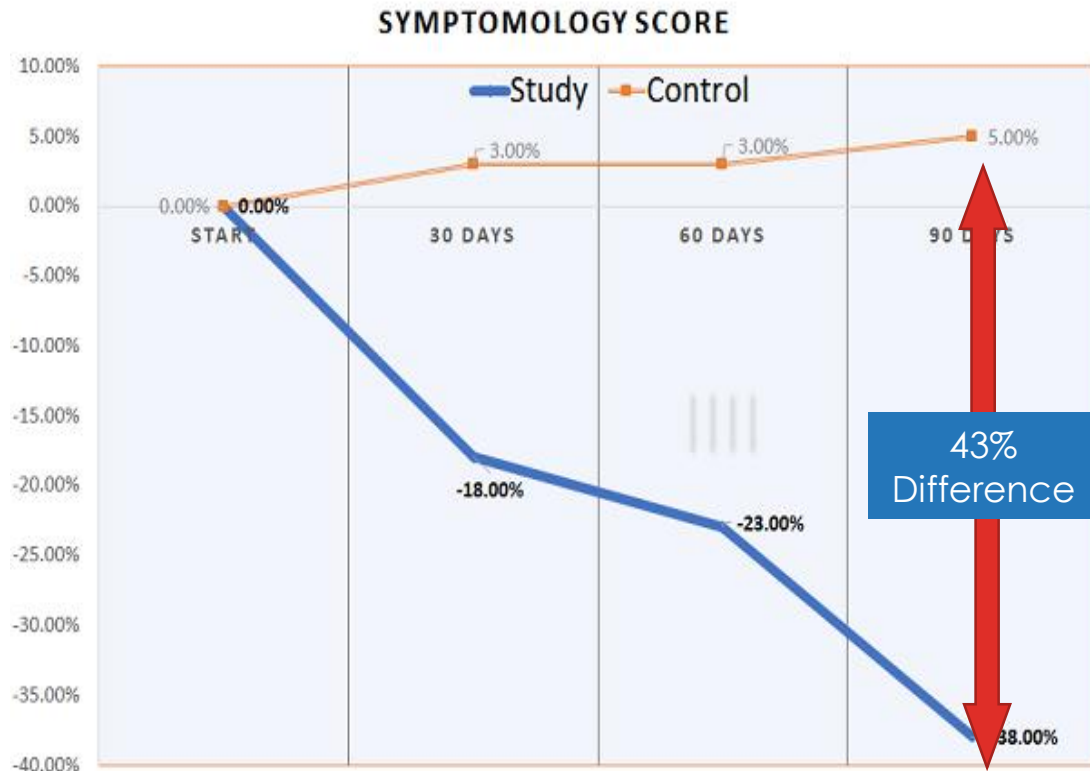
.MSEC Myasthenia Gravis Evaluation Checklist

.17 participants over the course of 90days

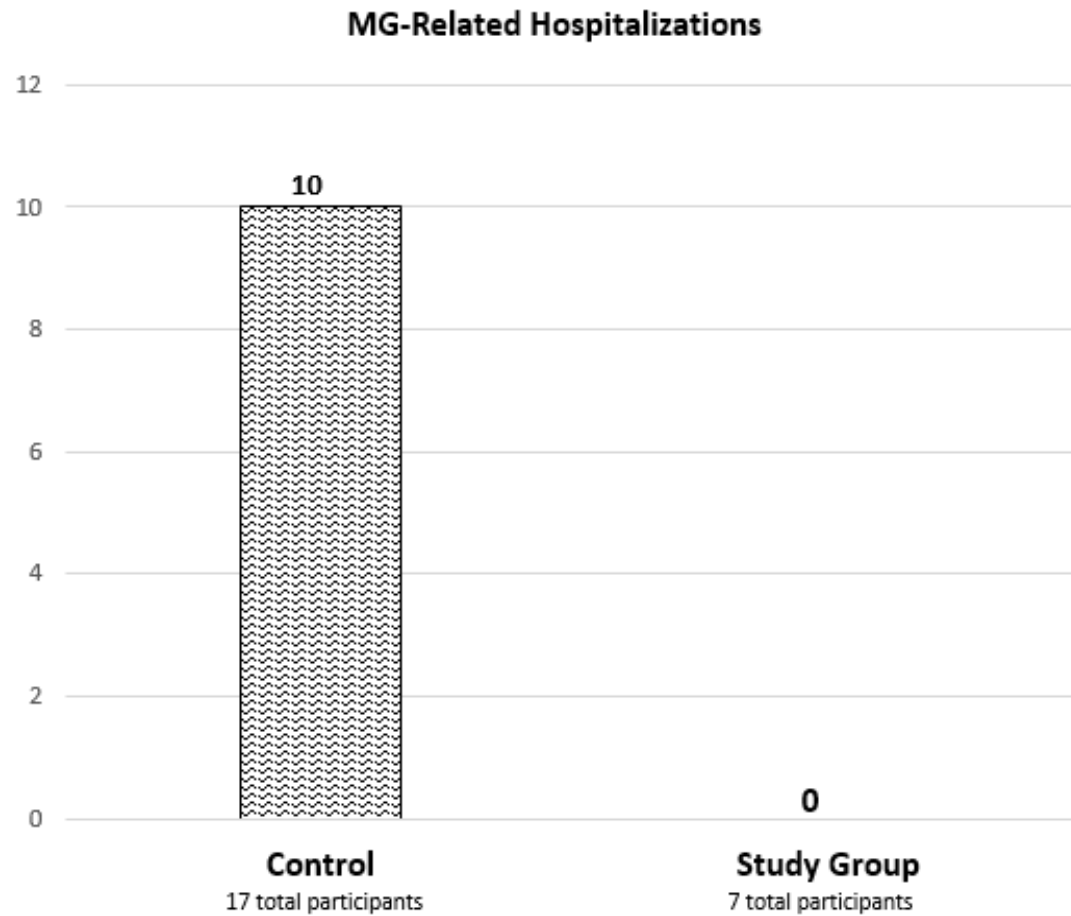
.Results:

.Control Group had a 5% Increase in Symptomology

.Therapy Group had a 38% Reduction in Symptomology



Hospitalizations



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

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

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

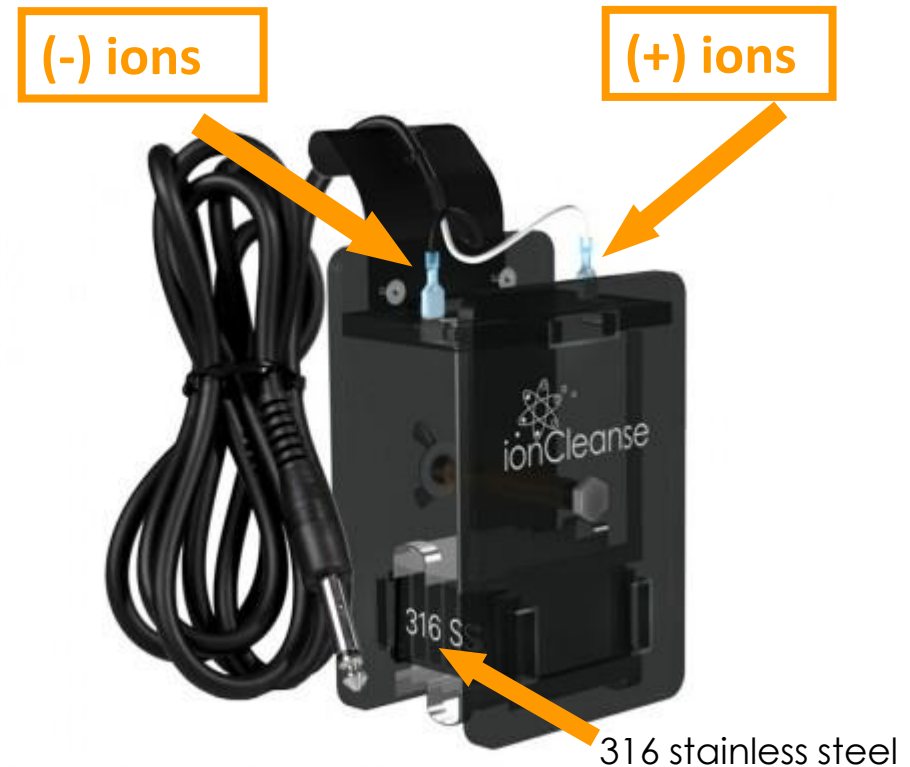
External Medical Grade Power Supply

- .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

Made in the USA. US Patent:
7,160,434

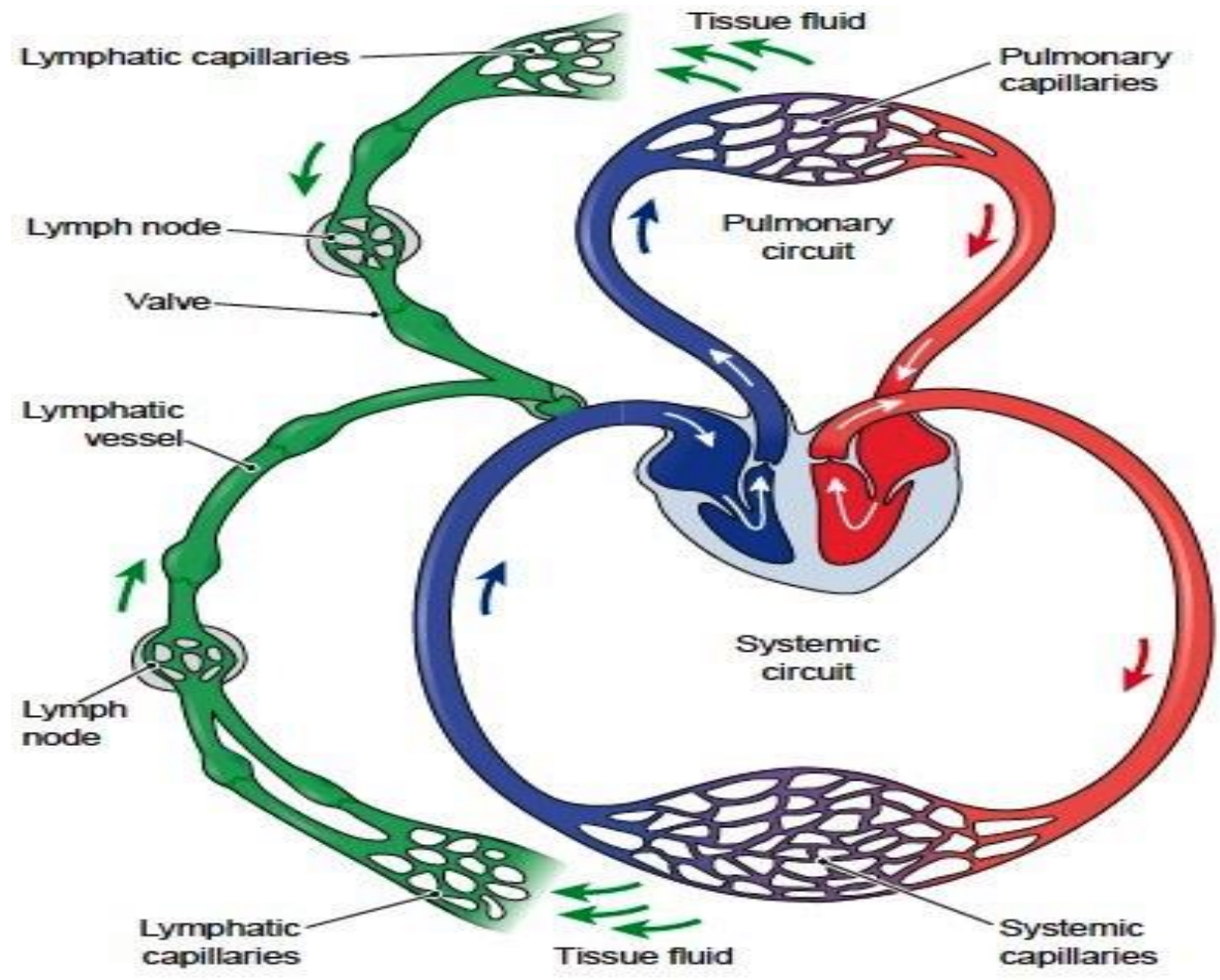
AMD's patented process in the array design, enables the system to create an abundance of negatively charged ions. It will then switch polarity and create an abundance of positively charged ions.



The Vicious Cycle



LYMPHATIC Drainage Enhanced



The Perfect compliment to HBOT



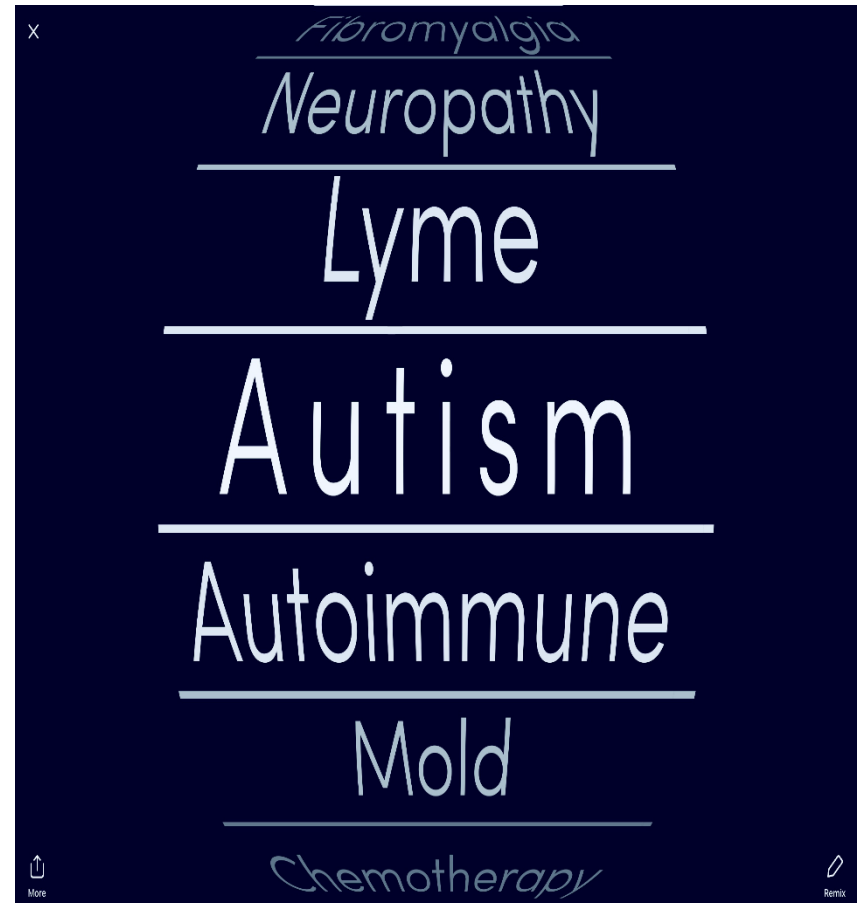
HBOT

Ionic
Detoxification

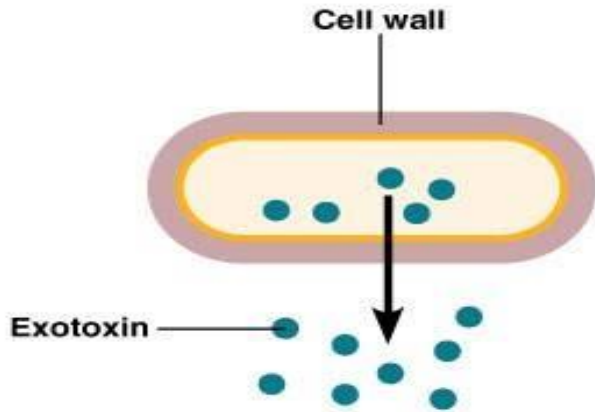
HBOT & IonCleanse by AMD

Step 1 – Hyperbarics

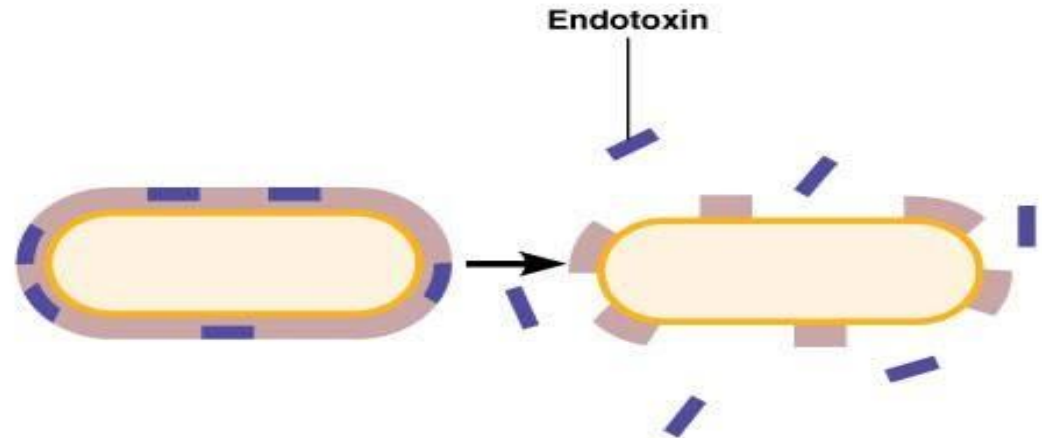
Step 2 – IonCleanse by AMD



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.

Copyright © 2004 Pearson Education, Inc., publishing as Benjamin Cummings.

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