

# BEHIND THE SCENES ON VACCINES

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*It's been 7 years since I began to study the dangers of vaccines. Their effect on our most vulnerable is both sad and maddening. Thank goodness there are now reliable sources for all to find the truth. A special thank you to Dr. Andy Wakefield, Polly Tommey, Del Bigtree and the team at VAXXED, whose commitment to saving our children makes them all heroes.*

As a therapist and nutritionist, the most important thing I believe I can tell parents is that they are not guilty of harming their children if they have been vaccine injured.

Following the advice of the medicine is what we have been taught to do. Once we know better, we can do better. Whether to vaccinate is definitely the most important decision a parent can make. Please watch this video: [IMPORTANT](#)

***PLEASE, DO YOUR OWN RESEARCH. And when you do, be aware of funding sources.***

**Did you know...**

*The immune system:*

\* We have a 2 part immune system: The cellular branch of the immune system digests & expels waste and is the expression of illness. The humoral branch of the immune system produces antibodies and recognizes/identifies things that would harm us ("germs"). A healthy balance of cellular and humoral immune function is vital to good health. **Vaccines bypass the cellular system by direct stimulation of the humoral branch.**

\* Research shows that vaccines can overstimulate the humoral branch and inhibit the cellular branch, leading to immune suppression. Immune suppression and over stimulation of the humoral branch may show up as **allergies, autoimmune disorders, neurological disorders, etc.**

\* Breastfeeding, probiotics, antioxidants, and allowing the

natural course of illness to occur enhance immune balance while heavy metals, toxins, infant formula, Tylenol, antibiotics and sugar lead to immune imbalance.

*The eradication of disease and facts about vaccine use (Main source – [Suzanne Humphries, M.D.](#) BE DILIGENT! Fact check!)* :

\* **80% of the total decline in mortality**, since records began to be kept in the United Kingdom in 1860, **occurred before any vaccine** or antimicrobial drugs were available and 90% or more before there was any national vaccine program.

\* **Diseases declined and longevity increased due to hygiene, running water and refrigeration.**

\* **Japan stopped using MMR vaccine in 1993** due to side effects and cost of compensating victims. They reconsidered using it again in 1999 but decided not to reinstate its use. The MMR is still used in the U.S.

\* **In France, government officials halted hepatitis B vaccine school requirements in 1998.** France's health minister acted after numerous reports of symptoms resembling arthritis and multiple sclerosis. Hep B is still given in the U.S

\* **The H1N1 flu vaccine is 60 times more likely to cause a miscarriage** than regular seasonal flu vaccines according to VAERS (Vaccine Adverse Event Reporting System).

\* In October of 2013, Italy, Switzerland, Spain, Germany, Austria, France and Canada suspended the use of a number of Novartis flu vaccines. Novartis is approved by the U.S. Food and Drug Administration.

\* The oral polio vaccine was banned from use in the United States in 2000. The reason for this ban was because **too many children were developing vaccine associated paralytic polio (VAPP)** as a serious side effect of the oral vaccine.

\* In 1977, **Dr. Jonas Salk** who developed the first polio vaccine, **testified** along with other scientists, that **mass inoculation against polio was the cause of most polio cases in the USA since 1961.**

[naturalnews.com/026940\\_vaccine\\_vaccines\\_children.html](http://naturalnews.com/026940_vaccine_vaccines_children.html)

\* ANTHRAX live virus vaccine has been approved for testing on

children. (subsequent to The Presidential Commission on BioEthics meeting of 1/15/13)

\* "A single vaccine given to a six pound newborn is the equivalent of giving a 180-pound adult 30 vaccinations on the same day" Dr Boyd Haley, Ph.D.

Current statistics:

\* There have been 48 cases of Measles in the U.S. this year (through July 2016) and **ZERO DEATHS**. [The American Cancer Society reports 1,658,370](#): The number of new cancer cases expected to be diagnosed in 2015.

\* 2012: 20 pertussis-related deaths. 2010: 3,404 DEATHS due to asthma.

\* From January 1 to May 2, 2014, 464 people in the United States have been reported to have mumps. **ZERO DEATHS**. There are 100,000+ DEATHS yearly due to adverse drug reactions.

\* According to the New York State Department of Health, 2 of 20 people infected in the 1994 measles "outbreak" in New York City were children who had not been vaccinated by their parent's choice. What about the other 18? Why didn't their vaccines work?

\* Regarding the current DTap vaccine, the FDA says, "This research suggests that although **individuals immunized with an acellular pertussis vaccine** may be protected from disease, they may still become infected with the bacteria without always getting sick and **are able to spread infection** to others, including young infants who are susceptible to pertussis disease."

### *Vaccine Ingredients*

From [www.reversingvaccineinduceddiseases.com](http://www.reversingvaccineinduceddiseases.com) Rebecca Carley, M.D. : TOXIC INGREDIENTS FOUND IN VACCINES:

\* aluminum hydroxide \* aluminum phosphate \* ammonium sulfate \* amphotericin B \* animal tissues: pig blood, horse blood, rabbit brain \* dog kidney, monkey kidney\* chick embryo,

chicken egg, duck egg \* calf (bovine) serum \* betapropiolactone \* fetal bovine serum \* formaldehyde \* formalin \* gelatin \* glycerol \* human diploid cells (originating from human aborted fetal tissue) \* hydrolyzed gelatin \* mercury thimerosal (thimerosal, Merthiolate) \* monosodium glutamate (MSG) \* neomycin \* neomycin sulfate \* phenol red indicator \* phenoxyethanol (antifreeze) \* potassium diphosphate \* potassium monophosphate \* polymyxin B \* polysorbate 20 \* polysorbate 80 porcine (pig) pancreatic hydrolysate of casein \* residual MRC5 proteins \* sorbitol \* tri(n)butylphosphate \* VERO cells, a continuous line of monkey kidney cells \* washed sheep red blood.

– Here's what the **CDC** tells us of the common substances found in vaccines:

- Aluminum gels or salts of aluminum which are added as adjuvants to help the vaccine stimulate a better response.
- Antibiotics which are added to some vaccines to prevent the growth of germs (bacteria) during production and storage of the vaccine.
- Egg protein is found in influenza and yellow fever vaccines, which are prepared using chicken eggs.
- Formaldehyde is used to inactivate bacterial products for toxoid vaccines, (these are vaccines that use an inactive bacterial toxin to produce immunity.)
- Monosodium glutamate (MSG) and 2-phenoxy-ethanol.
- Thimerosal is a mercury-containing preservative that is added to vials of vaccine that contain more than one dose to prevent contamination and growth of potentially harmful bacteria.

In late August, 2014, Senior Scientist William Thompson from the CDC came out about [research data modification](#) in the MMR/autism study of 2004. Data was omitted and changed to hide the significant link between vaccines and autism. As of August 2016, Dr. Thompson still has not testified before Congress even though he wants to.

*Dr. Andrew Wakefield* – *Gastroenterologist*:

\* Dr. Wakefield and his team's research found the vaccine strain of measles virus in the intestinal tracts of children whose parents reported regressive autism and IBD after the MMR vaccine.

\* Dr. Andrew Wakefield had **no ties** to the pharmaceutical industry.

\* Dr. John Walker-Smith who supervised Wakefield and was accused of the same wrongdoings was **fully exonerated** of all charges. Dr. Wakefield is now suing the British Medical Journal and the journalist who attacked him.

\* **Over 200 papers in peer reviewed journals have been published documenting and exploring vaccine injury and death.**

*Profits from Vaccines*

\* In the year 2006, **drug companies made \$4.3 billion on pediatric/adolescent vaccines.** That number is projected to be over \$16 billion (per year) by 2016.

\* Based on the CDC schedule, the average pediatrician makes \$3000 per child in the first 5 years of life from vaccine "well child" visits. (\$1600 in the first 12 months alone).  
vaxtruth.org

\* The CDC offers financial incentives to state departments of health for each "fully vaccinated child". In a recent year, the Ohio Department of Health received \$1 million in such CDC bonus payments. wellbeingjournal.com Kristine M. Severyn, Ph.D.

\* Total projected pharmaceutical profits for (the first 5 years of life) vaccines for children born in the year 2010 alone is \$5.273 billion (if the vaccination rate overall in the U.S. is 90%). vaxtruth.org

**And yes, it is Big Pharma funding the movement against those who are for vaccine choice.**

*Settlements: (PHARMACEUTICAL COMPANIES ARE IMMUNE TO ANY LIABILITY FOR VACCINE INJURY – settlement funds come from our tax dollars {75c per vaccine})*

\* Through July of this year, [\\$3.4 billion had been paid out to vaccine victims](#) even though two out of three plaintiffs are denied compensation. Thousands of cases are waiting to be heard.

\* The first case where a vaccine/autism connection was acknowledged was in 2007 (Hannah Poling), though the family saw no funds until 2010.

\* Bailey Banks – the court ruled (or the government conceded) that **vaccines had caused encephalopathy, which in turn produced permanent injury, including symptoms of autism** and ultimately an autism spectrum disorder diagnosis.

#### *Exemptions:*

\* In Michigan, right now, you have 3 ways to protect your child from vaccines – medical, religious and philosophical.

\* Philosophical exemptions do not require any written reasoning.

\* Religious exemptions do not have to be associated with a specific organized religion.

\* Parent philosophical exemptions are CURRENTLY UNDER ATTACK in Michigan through the Michigan Medical Society. Stay aware and be ready to contact your legislators if a bill is written.

#### ***If you do decide to vaccinate:***

\* Ask your doctor to run titers to check to see if your child is already immune (LabCor offers these for MMR, varicella)

\* Wait until at least 2 years of age and only give one vaccine at a time.

\* Run a blood test for the MTHFR gene. Those with this gene are highly at risk for vaccine injury.

\* Do not give child any acetaminophen after vaccination.

Source:

<http://cmdfa.wfzup.servertrust.com/Adverse-Side-Effects-of-Acetaminophen-s/196.htm>

\* The Vaccine Book: Making the Right Decision for Your Child by Robert Sears, M.D offers a modified schedule.

\* Before you go to the doctor the day you want to vaccinate,

ask yourself:

1. Am I or my child sick right now?
2. Have I or my child had a bad reaction to a vaccination before?
3. Do I or my child have a personal or family history of vaccine reactions, neurological disorders, severe allergies or immune system problems?
4. Do I know the disease and vaccine risks for myself or my child?
5. Do I have full information about the vaccine's side effects?
6. Do I know how to identify and report a vaccine reaction?
7. Do I know I need to keep a written record, including the vaccine manufacturer's name and lot number, for all vaccinations?
8. Do I know I have the right to make an informed choice?

**SPECIAL NOTE:** If you obtain literature on vaccines from Children's Hospital of Philadelphia, please be aware that the Director of Infectious Disease and the Vaccine Education Center is [Dr. Paul Offit](#). Offit holds the patent for the rotavirus vaccine. His earnings for this are in the tens of millions. Public health departments, at least in Michigan, use literature from this source.

*Sources and Resources:*

**Please watch the movie [VAXXED](#) which describes in detail the CDC whistleblower, William Thompson, Ph.D.'s attempts to share the truth about the cover-up at the CDC in the 2004 study of the MMR vaccine and autism.**

Websites:

AgeofAutism.com/vaccines/

vactruth.com

vaccinetruth.org

CDC.gov

Childhoodshots.com (Biblical support for not vaccinating can

be found here)

The National Vaccine Information Center – NVIC.org

Vaccineresistancemovement.org

DrPalevsky.com

DrTenpenny.com

DoctorEisenstein.com

DrCarley.com

The World Association for Vaccine Education – novaccine.com

BOOKS (these are just a few!)

*A Shot in the Dark* by Harris Coulter and Barbara Loe Fisher

*Callous Disregard* by Andrew J. Wakefield, M.D.

*The Crime of Vaccination*, by Dave Tennison

***Dissolving Illusions: Disease, Vaccine, and the Forgotten History*, Suzanne Humphries, M.D. and Roman Bystrianykh.** (this book shares all the graphs and historical proof that vaccines did NOT stop contagious diseases)

*Immunizations: The Terrible Risks Your Children Face That Your Doctor Won't Reveal* by Robert Mendolsyn, M.D.

***Make an Informed Vaccine Decision*, Dr. Mayer Eisenstein** (every parent should read)

*The Business of Baby: What Doctors Don't Tell You, What Corporations Try to Sell You, and How to Put Your Pregnancy, Childbirth, and Baby Before Their Bottom Line*, Jennifer Margulis

*No Vaccines for Me!* by Kathleen Dunkelberger

*The Parents' Concise Guide to Childhood Vaccinations* by Lauren Feder, M.D.

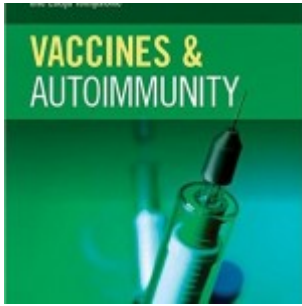
***The Nourishing Traditions Book of Baby and Child Care*, Sally Fallon Morell and Thomas Cowan, M.D.**

*Shaken Baby Syndrome or Vaccine Induced Encephalitis* by Harold Buttram, M.D.

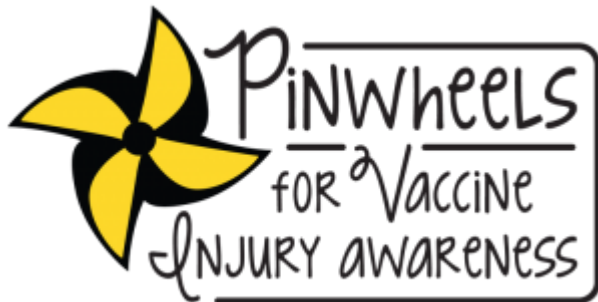
*Vaccine Illusion* by Tetyana, Obukhanyeh

***The Vaccine Court: The Dark Truth of America's Vaccine Injury Compensation* by Wayne Rhode**





Update in 2016 ~ A textbook has now been written about the causative link between autoimmune diseases, like lupus, arthritis, and fibromyalgia and vaccinations. *Vaccines and Autoimmunity*, edited by Yehuda Shoenfeld, Nancy Agmon-Levin and Lucija Tomljenovic contains the research of over 70 researchers. It warrants exploration.



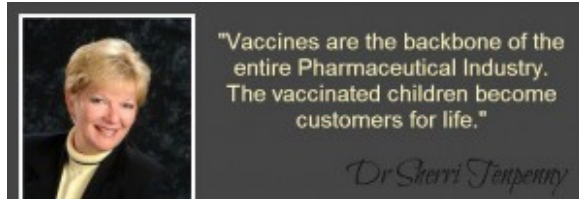
*Special Thank You* to [Pinwheels for Vaccine Injury Awareness](#).

Everyone is encouraged to visit their site and join together to help our young people and those not yet born. We do this by raising awareness that vaccine

injury is very real. "Vaccine injured are everywhere and we need to stand up, stand out and be seen and heard in a way that can not be ridiculed."

You can Google individual vaccines to look at copies of their inserts to see the actual ingredients – please do!

You can also Goggle Michigan Care Improvement Registry Participation in the MCIR Reporting to get the form to opt your children out of vaccine use registration (so they don't keep track of your choices).



please think about the  
implications of this...

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## Who is this Weston Price People Are Talking About?

Very simply he was a modern day hero whose work is only now getting the exposure it (and the world) deserves.

Dr. Weston A Price was a dentist who practiced in Cleveland, Ohio beginning in the 1920's. He was well known and respected in his day and was widely published in journals reviewed by his peers. He served as the head of research for the National Dental Association and authored a textbook on dentistry that was used by the United States Navy.

After years of treating rampant tooth decay in his patients, Dr. Price set out to understand why cavities and poor health were so common in his patients. More and more young people were coming into his office with narrow jaws and palates so they did not enough room for their teeth. He saw crowding, overbites, and underbites and these young people often had other health problems. Dr. Price concluded that the teeth were a visual indicator of the health of the rest of the body.

In order to find the answer as to why this was happening, Price knew he had to do what no one had done before; he chose to travel the world to find people who had little or no tooth

decay (a “control group” for scientific inquiry). In his travels during the 1930’s he found 14 isolated civilizations with perfect dental arches (no crooked teeth) and bone structure, excellent health, positive mental outlooks and high immunity to diseases like tuberculosis. His findings were in sharp contrast to Americans back home who had crooked teeth, cavities, arthritis, cancer, heart disease, mental illness and other health problems. No doubt he would be shocked at the [poor health our culture has today](#).

Dr. Price, being a highly respected researcher, meticulously documented what happened to these civilizations when they were introduced to our modern convenience foods – white flour and sugar, refined vegetable oils, pasteurized milk and canned goods. Due to the advent of the camera, he was able to take pictures to show visually the immediate damaging effects when these peoples gave up their indigenous foods and preparation methods.



Superb dental formation and nearly complete immunity to cavities was observed in Native Americans (left) who lived on the traditional foods of their culture. Those who ate processed foods (right) experienced crowded teeth and rampant decay.

For years Dr. Price completed detailed analysis of traditional

and modern diets. He was able to identify the important nutrients lacking in the “civilized” American diet. In his foundational book, [Nutrition and Physical Degeneration](#), Dr. Price shared what he found. He offered detailed evidence of the principles of healthy living. He predicted the continued demise of civilized populations if a return to traditional eating did not occur.

Which brings us to today. Our population in this country is getting sicker and sicker, despite advice from all the “health” related organizations. Fortunately, Dr. Price’s principles are gaining exposure through the work of the [PRICE POTTENGER FOUNDATION©](#) and the [WESTON A PRICE FOUNDATION©](#) which now has nearly 600 local chapters around the world. Nutrient dense recipes are everywhere, thanks to the foundational cookbook [Nourishing Traditions](#) by Sally Fallon-Morell. We have Sally to thank for starting the Weston A Price Foundation, also. And the results are incredibly encouraging. Diseases are being healed naturally and children are again being born with excellent health and bone structure. To see where your closest chapter is located [click here](#).

Both of the above mentioned foundations are funded without money from outside interests, therefore the information they provide is without bias or profit motive. I encourage you to consider membership in one or both of these fine organizations.

I am proud to be a founding co-leader of [Nourishing the Lakeshore of West Michigan](#), the shoreline chapter of the [Weston A. Price Foundation](#).

**The fact that the populations Dr. Price found had no vaccines and were in perfect health, is most certainly noteworthy.**



Explore the  
Wisdom of  
the Ages  
on Diet and  
Nutrition

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The Weston A.  
Price Foundation®

The advertisement features a stack of 'Wise Traditions' magazines on the left, with the title 'Wise Traditions' and the subtitle 'of Food, Culture, and the Human Body' visible. To the right, the text 'Explore the Wisdom of the Ages on Diet and Nutrition' is written in a serif font. Below this text are three small globe icons. At the bottom left is a red button with the text 'JOIN TO SUBSCRIBE'. At the bottom right is the logo for 'The Weston A. Price Foundation' which includes three globe icons and the text 'The Weston A. Price Foundation®'.



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## Protecting Ourselves from Radiation

Most of this article comes from my notes of a session on the dangers of Electromagnetic Frequencies presented by Mary Cordaro at the recent [Weston A Price Foundation](#) conference. [Mary's website](#) is packed with science and helpful hints on how to protect us from the harmful wavelengths in the world today, as well as other environmental concerns. I encourage you to explore it as well as the site of the folks at [Defender Shield](#) who were also at the conference.

To learn more about specific types and sources of EMFs, I went to [greenfacts.org](#). You might want to do the same.

### **SAFETY MEASURES and POINTS OF INTEREST:**

ELF – (Extremely low frequencies) – comes from wired devices

- At desks, move cables/power strips as far away from your feet as possible

- Unplug as much as you can in your room at bedtime
- No electric blankets
- Use battery operated clock
- If you are really electromagnetically sensitive – turn circuits to bedroom (and around bedroom) off – do this after they have been inspected so you're sure they are safe.

### HF – (High frequency – digital microwave – pulsed radiation – cordless phones)

- [Antennasearch.com](http://Antennasearch.com) – see how close cell towers are to your house
- *When using the following, you should test the area before and after putting the protection up:*
  - Window films and coatings
  - Window shielding fabrics
  - Canopies over beds
- Cordless Phones:
  - Are like a mini cell tower – always emitting
  - Use no more than 900 megahertz
  - Use sparingly
  - Use speaker if equipped with such
  - Investigate protective stickers that can be placed near the battery
- I found a great article on HF-EMFs [here](#).

### Cell Phones

- All smart phones and tablets emit radio frequency electrical magnetic fields 10-15 feet out when in standby mode
- No pregnant women or children should use them
- Use corded phones at home (not cordless! – see below)
- Everyone should minimize cell phone use
- Use a well-researched protective device like [DEFENDER SHIELD Cell Phone Protection](#)
- Talk on speaker

- Use Blue TUBE (not Bluetooth!)
- Place phone at least 15 feet from people
- Put smart phone in airplane mode as often as possible (there still is some radiation still, but much less)

### Tablets

- Radiate 10-15 feet, so...
- Keep in airplane mode as much as possible
- Research and use a protective device i.e. [DEFENDER SHIELD Tablet Protection](#)

### Wi-Fi ([studies in rats that showed Wi-Fi increases oxidative stress](#))

- Keep in mind that the Wi-Fi harmful wavelengths come from both the router and the device hooked up to the Net
- If you can, remove Wi-Fi from your home and use a hardwired Internet connection
- Turn off your router at night
- Move router away from people, especially children
- ADDED NOTE: WIFI IN SCHOOL IS VERY DANGEROUS, ESP. IN ROOMS WITH MORE THAN ONE COMPUTER BECAUSE EVERY DEVICE IS EMITTING RADIATION

### Smart Meters

- Have dirty electricity that cannot be shielded.
- Learn more at [www.smartmetereducationnetwork.com](http://www.smartmetereducationnetwork.com) and [www.michiganstopsmartmeters.com](http://www.michiganstopsmartmeters.com)

Dirty electricity is a problem if you have Romex (as opposed to metal tubing). To reduce it:

- Avoid dimmer switches
- Use incandescent bulbs
- Avoid halogen lamps

### Flat Screen Televisions

- AC magnetic radiation from a flat screen is relatively low (lower than the fatter TVs used to be).
- AC electric radiation, however, remains for up to 8 hours after turning the television off.

Additional websites that were strongly recommended:

- For those with children (grandchildren) – [WWW.SAFBABY.COM](http://WWW.SAFBABY.COM)
- Objective research – [www.bioinitiative.org](http://www.bioinitiative.org)

I personally purchased a [Defender Pad](#) for use with my laptop. While Mary Cordaro strongly recommended not getting a smart phone, I suspect some day I will. When I do, I plan to get a Defender Shield case for it.

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## [How Vaccines Make Humans GMOs](#)

*This is a copy of my letter to the [Weston A Price Foundation](#) which was published in their Fall 2015 Wise Traditions Journal. A main focus of the Foundation is the promotion of therapies that do not cause harm. The fall issue of 2015 was devoted solely to information regarding vaccinations because “vaccination as practiced today is a 200 year old mistake.”*



*If you haven't yet, I strongly encourage you to research [vaccines](#). I highly recommend the [National Vaccine Information Center](#), the [World Association for Vaccine Education](#) and the [Vaccine World Summit](#). This is the most important decision you will make regarding your child's health. Now...on to my letter.*



I'm struggling to see how vaccines are that different from food that's altered through genetic modification. The intent may be different, but the final result is quite similar. If a **GMO** is the result of genes from the DNA of one species artificially forced into the genes of an unrelated plant or animal, how far is this from the process of vaccination in humans?

Vaccines contain the DNA of pathogenic viruses grown on cell cultures of humans, chickens, monkeys and cows. This DNA and foreign cells are injected directly into the blood stream of the vaccine recipient, bypassing any innate (God-given) protection the body has. Logic tells me that is very similar to how GMOs are created. And just like in GMO food, the blood has never before been exposed to this DNA in the natural environment.

From what I've seen there are more people aware of the dangers of GMOs in food than the dangers of vaccines. At a recent march against GMOs, I talked to participants who were pro-vaccine and completely unaware that many vaccines are actually genetically modified (for example, since 1991, the Hep B shot,

given within 24 hours of birth, is genetically modified {the hep b virus is combined with yeast}).

Scientists at the University of Geneva (1971) discovered that biological substances entering directly into the blood stream can become a part of us and even a part of our genetic material. "The Geneva scientists are convinced that normal animal and plant cells also shed DNA and that this DNA is also taken up by other cells in the organism. If they are right, the consequences to virtually every aspect of a cell's metabolism would be considerable. The growth and development, diseases, and even the evolution of an organism would be affected."

<http://vaccinechoicecanada.com/doctors-speak/vaccines-and-genetic-mutation/>

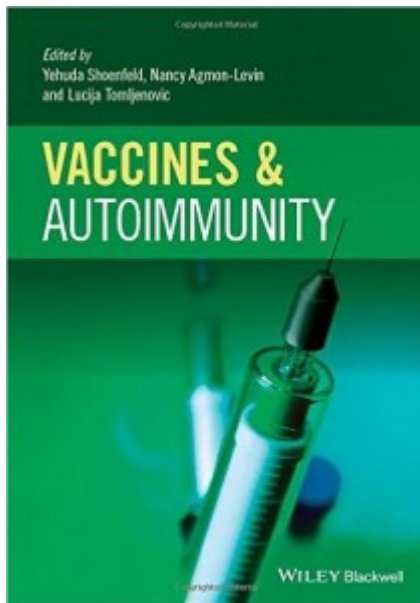
Reading that Verschaeve, L. , et.al. (*Environmental Research, Genetic Damage Induced by Occupationally low Mercury Exposure*", 12:306) found a "significant correlation between the amount of mercury in the body and the number of DNA aberrations", also supports the idea in my mind that vaccines cause humans to be GMOs as genes are being modified by at least one of the preservatives that have been used in vaccines. The process is a bit different, but the end result is unnatural changes to the genome.

When GMOs were introduced, we were told it would reduce the need for pesticides. In 2009, however, the Organic Center revealed "GE [genetically engineered] crops have increased overall pesticide use by 318.4 million pounds over the first 13 years of commercial use..."

[http://www.livinghistoryfarm.org/farminginthe70s/pests\\_08.html](http://www.livinghistoryfarm.org/farminginthe70s/pests_08.html)

In the same way, vaccines were introduced under the guise of reducing the need for medical care because the recipients wouldn't get the diseases the shots alleged to prevent. As the years go by, we have more and more chronic childhood illness and adult autoimmune disorders requiring more and more treatment. In July of this year, an entire textbook, [Vaccines](#)

[and Autoimmunity](#), was published on the real links between vaccines and these long term diseases.

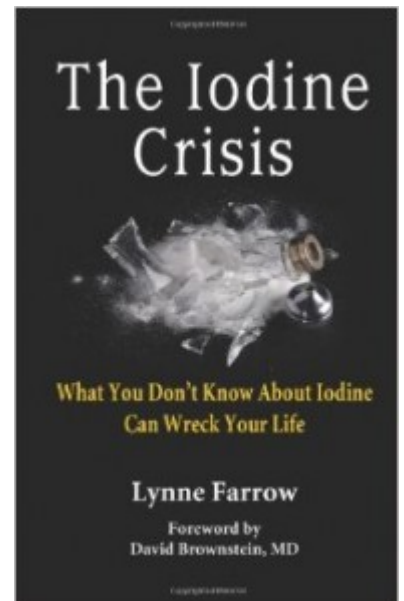


I see how passionate the anti GMO activists are at marches and other gatherings. It is my hope that once they see that they, too, have been genetically modified through vaccination, we can all join together to take on this very dangerous myth of vaccine safety.

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**[A Must Read - The Iodine Crisis](#)**

We need to be AWARE – we have a severe nutrient deficiency in the U.S. (and many other places on the planet). The book, *The Iodine Crisis*, by investigative reporter and whistleblower, Lynne Farrow, should be read by **everyone** who is concerned about their health. I was moved so greatly by the content; I knew the importance of sharing information from the book with the masses. In the interest of time, both my own and for you the reader, I will provide highlights here.



Farrow begins the introduction with “Iodine deficiency wrecked my life”. How I wish we could quantify the number of people to which this statement applies. I strongly suspect the same applies to myself, but we’ll never know.

The author’s search for the truth went into overdrive when she was diagnosed with breast cancer. She was able to find objective research from over 50 years ago connecting breast cancer and iodine deficiency and was shocked that this issue was not mentioned in any sources available to current breast cancer patients.

As she dug more into this crucial mineral, she discovered a “text book-accepted theory about the dangers of iodine” dating back to 1961. Except it was NOT true. At all. Fortunately, Dr. Guy Abraham, together with his research partners Dr. Jorge Flechas and Dr. David Brownstein have brought the truth to light. More on that in a bit.

What happened to our use of iodine? Here I will take the lazy blogger’s way of conveying information and share with you some highlights from a few of the chapters.

Chapter 4: *Bromine-A Cause for Iodine Deficiency* “We’ve become iodine deficient since the 1970s because the anti-

iodine bromine has purged iodine from our bodies.” “Iodine is the biochemical ‘antidote’ for toxic bromine but it takes time.”

Chapter 5: *Why Does Your Body Need Iodine?* Iodine is essential in small amounts for **every single cell** in the body.

Medical records from 1906, showed iodine was used as The Universal Medicine for things like atherosclerosis, uterine fibroids (seriously, after what I went through??), swollen glands, prostatic hypertrophy, depression, eczema, ovarian cysts, “rheumatism” and breast pain. Farrow includes a list of conditions she has seen helped by iodine including those just listed and dozens more including fertility problems, blood pressure, fibromyalgia, hearing loss, constipation, eye problems, weight gain and brain fog. The way I see it, if you have any of these issues and you either aren’t taking iodine or haven’t had it tested, you’re missing out.

The myth that iodized salt has enough of this essential mineral to keep us healthy is DANGEROUS. First of all, half of the original iodide is lost from the time the salt leaves the factory until it gets to the grocery store. More of the iodine escapes into the air after you open it at home. Only 10% of the iodine is absorbable, that is as long as you don’t cook with it because cooking destroys it. And the form added to salt is not the form women need for healthy breasts. Sheesh.

If you think you can get enough iodine from fish, be prepared. You’ll need to eat about 4 pounds of fish from the ocean. Every day. Hungry?

Chapter 6: *Why Consider Supplementing Iodine?* Farrow emphasizes iodine’s “profound power to detox, normalize and nourish the cells so they can work optimally...Iodine is more of a missing link that helps the body regulate and adapt.”

In this chapter and Chapter 8 she discusses the particulars of why and how to take iodine. I’ll let you get the book instead

of regurgitating it here. The most important point is to understand that the amounts recommended by the USDA are miniscule compared to what the body really needs (150 micrograms vs. 12.5 to 50 milligrams – {1000 micrograms = 1 milligram, by the way}).

I know so many women with Hashimoto's disease so I believe this comment is worthy of mention here: "iodine deficiency is often the most direct cause of Hashimoto's combined with selenium deficiency."

Chapter 7 – *What Do Doctors Think About Iodine?* Most doctors in this country have been taught to be Iodophobic – to fear iodine because it could damage the thyroid. Two major reasons are 1.) The fact that iodine is cheap and can't be patented, so no drug reps are "educating" doctors about it, and 2.) The Wolff-Chaikoff conclusion discussed in detail in Chapter 17 (keep reading please).

Farrow notes that "iodine literacy is spreading fast", through the American College for the Advancement of Medicine, The Anti-Aging Conferences, The Iodine Conference and the Weston A Price Foundation conferences, where Dr. David Brownstein often speaks (very informatively I might add).

Moving forward to Chapter 11, Farrow discusses the growth of online discussion groups about iodine that have helped countless people regain their health. Included in these are [www.facebook.com/groups/IodineWorkshop](http://www.facebook.com/groups/IodineWorkshop), <http://curezone.org/forums>, and <http://health.groups.yahoo.com/group/breastcancerthinktank>.

Check them out. Please.

In Chapters 12 and 17, Farrow shares with the reader the REAL dangers of bromine. Not only is this dangerous halogen that blocks out iodine used as a fire retardant in cars, mattresses, electronics, pesticides and children's toys and pajamas, but it is also used in flour, and vegetable oils

(which are in Mountain Dew...ugh!).

In the early 1970's, not only was iodine removed from bread and baked goods, but the anti-iodine potassium bromate was added. Insult to injury.

The fact that bromide has been banned in many countries, but not the United States, is reason to be concerned about policies related to health here at home.

Chapters 13 – 16 talk about the history of healing and the use of iodine. We learn that the old Merck Manual had iodine as the most used tumor remedy in the 1800s. How many cancer patients have been told this? We learn that the Civil War soldiers carried iodine canteens in addition to water canteens because iodine was used to purify water and treat infections. Other fascinating uses and a historical timeline dating back to 15,000 BC are shared.

After the second World War came the invention of penicillin and sulfa drugs which began to replace iodine for infections. Then, in 1948, and again in 1961, Drs. Chaikoff and Wolff published papers persuading physicians that iodine was dangerous. These erroneous reports, unsupported by legitimate science influenced medical educations for at least three generations until in 2005, Guy Abraham, MD., wrote the article *The Wolff-Chaikoff Effect: Crying Wolff* noting the mistakes in the studies from decades earlier. In bold, Farrow writes **“The so-called fundamental law of physiology-that iodine can shut down the thyroid gland – has been challenged, overthrown and even reversed”** and “If iodine could be stolen from needy patients for decades by two unverified scientific papers, we must blame a medical system that allows unverified studies to determine patient care.” Thoughts? I hope so. We have got to question! Think! And question some more!

This reversal of the Wolff-Chaikoff myth has created a revolution. **“Iodine has been redefined from a poison to a**

**vital nutrient with life-changing benefits.”** Is your health care provider aware of this yet? Ask.

Farrow rightfully asks “How many women and men have suffered, yes, even died, because Wolff-Chaikoff’s conclusions that became the law of medicine?” Hmm.

Near the end of the book is a chapter entitled *The Perfect Storm Theory of Breast Cancer* which begins with a quote from Dr. Flechas “The absence of iodine in the human body is a promoter of cancer”. Once again, I’ll leave it at that and strongly encourage you to get the book for the fascinating details.

Finally, the Appendixes and Resources are enlightening and oh, so helpful.

Get the book. Read it. I bet you’ll be glad you did.

When I purchase iodine off the Internet, I use Detoxidine, from Global Healing Center.



 **DETOXADINE**<sup>®</sup>  
NASCENT IODINE FOR THYROID SUPPORT

[SHOP NOW](#)

—FREE SHIPPING—

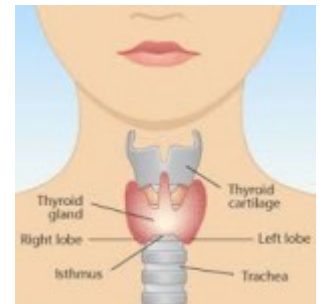




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# How's Your Thyroid?

*Dr. Dan Gleason and I recently shared a presentation at Nourishing the Lakeshore, our local chapter of the Weston A. Price Foundation. This post is based on our presentation.*



## **What is the thyroid?**

A butterfly shaped gland at the front of the base of the neck that produces about a teaspoon of hormone per year and acts as the thermostat for your metabolism in every cell of the body

## **How common are thyroid issues?**

This is a tricky question. The [Cleveland Clinic](#) says about hypothyroidism that it “has a total prevalence of 1% to 2%,<sup>1</sup> increasing with age (~10% adults >65 years). In the U.S. population, the prevalence of biochemical hypothyroidism is 4.6%, but clinically evident hypothyroidism is present in 0.3%.” However, iodine and thyroid expert [Dr. David Brownstein](#) estimates that as many as 40% of the population may be suffering from hypothyroidism. The numbers are much lower for hyperthyroidism, thank goodness.

There are those who actually have lab numbers out of range. But then, even more people have numbers in the normal range so their doctors tell them they don't have an issue. The “normal”

range .5 to 4.5 (a range big enough to drive a bus through) is based on the labs scores of average people and the average person today is not really healthy. If your TSH is within range your thyroid isn't necessarily functioning optimally. Dr. Broda Barnes cautioned that hypothyroidism is the "unsuspected illness" because lab values can appear normal and thus the problem goes undiagnosed. He strongly advised using basal temperature readings to help determine thyroid functioning. Dr. Brownstein sites that through his experience, a more optimal TSH range is between .3 to 2.0.

### **What are some of the signs of an underactive thyroid?**

- \* Dry skin, brittle nails
- \* Fatigue/difficulty concentrating/nervousness
- \* Weight gain and/or difficulty losing weight
- \* Difficulty sleeping
- \* Hair problems (thinning, brittle)
- \* Cold feet and hands
- \* Puffy eyes
- \* Muscle cramps/weakness
- \* Elevated cholesterol

### **What are some of the signs of an overactive thyroid?**

- \* Goiter/Nodules
- \* Fatigue and/or weakness
- \* Weight loss
- \* Sweating and/or heat intolerance
- \* Hypertension

- \* Nervousness
- \* Palpitations

### **What toxins contribute to thyroid problems?**

- \* Halogens – chlorine, bromine and fluoride
- \* Environmental toxins
- \* Heavy metals
- \* Medications
- \* Smoking

### **What nutrient deficiencies can lead to thyroid problems?**

- \* ***Low iodine***
- \* Low selenium, zinc, iron and/or copper
- \* Low tyrosine
- \* Low levels of certain vitamins (A, B2, B3, B6, and C)

### **What other issues can lead to thyroid problems?**

- \* Food allergies/dysbiosis
- \* Inflammation/infection
- \* Toxins
- \* Neurotransmitter imbalance
- \* Endocrine imbalance
- \* Stress/sleep
- \* Sugar

### **Sources of toxins that harm the thyroid**

- \* Water
- \* Food
- \* Medications
- \* Dental work
- \* Pollutants in the air
- \* Building material, carpets, flame retardants

### **Heavy metals and their sources**

- \* Mercury – fillings, vaccines, fish, some pesticides
- \* Cadmium – cigarettes, industrial waste, exhaust
- \* Aluminum – vaccines, baking pans, baking powder, antiperspirants, dental work
- \* Arsenic – Older treated lumber (i.e., decks and playground structures), insecticides, exhaust
- \* Lead – paint (prior to 1978), bone meal supplements, hair dyes, water through lead pipes
- \* Nickel – dental crowns, hydrogenated fats, fertilizers

### **What's in water that hurts your thyroid?**

- \* Chlorine – taken in through drinking AND through our lungs in the shower
- \* Fluoride – not what you think it is

**NOTE:** Keep in mind the water that serves as the base for drinks like bottled sodas, bottled teas and fountain soda is fluoridated.

### **Ingredients in food that harm the thyroid**

- \* Bromine in breads, fruit drinks and sodas
- \* Soy
- \* Pesticide residues
- \* Aspartame/Splenda (check your gum)
- \* Gluten

### **Then, what should I eat?**

- \* Grass-fed meat, eggs and poultry
- \* Wild caught fish
- \* Healthy fats (coconut oil, EV00, fresh flaxseed oil, butter, lard )
- \* Organic produce whenever possible
- \* Ferments like sauerkraut (esp. homemade)
- \* Bone broths made traditionally

### **What should I avoid?**

- \* Trans fats (margarine, vegetable oils, products made with corn, soy, and canola oils)
- \* Non-organic foods and GMOS
- \* Processed foods/refined sugar
- \* Unfermented soy
- \* MSG
- \* Artificial sweeteners
- \* Farm-raised fish
- \* Ingredients you can't pronounce

\*           Gluten

Much of the information provided in our presentation was taken from the Dr. David Brownstein's book *OVERCOMING THYROID DISORDERS* which we **highly** recommend. Additional information came from *THE IODINE CRISIS* by Lynne Farrow, which will be discussed in my next blog post.

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## Time to Detox

It's a new year, so it's time to clean up our bodies for a more healthy 2015.

Unfortunately, we live in toxic times – from the poisons in our [air](#) and [water](#), to the denatured foods we eat that lack the nutrients needed to build healthy bodies, to harmful [medications](#) and [dental work](#), to the [electromagnetic frequencies](#) from cell phones, towers, and microwaves. All these toxins are processed through the liver, the master filter. This amazing organ has the power to break down chemicals into harmless substances that can be expelled from the body as long as the liver (Phase 2 pathway) is working well. If we don't regularly give it a break, through a detoxification period, it will no longer be able to function well. The result can be headaches, skin problems, fatigue, issues with mood and sleep and ultimately chronic illness.

It used to be that a water or juice fast for a few days was recommended to cleanse the liver and body. We have since found out, however, that supporting this vital organ during the

process can prevent “healing crisis” situations. Additionally, providing the body pure and nutrient rich foods during the detox process builds healthy tissues while the liver is being cleansed.

This is why I have chosen to provide a structured detoxification in my practice. And because we are social beings who often are more invested when we perform as a group, organized classes are being planned. The next class begins Wednesday, February 18th, 2015. The class will meet for 4 weeks at 7 p.m. for an hour at the Mind Body Therapy Suite on Seminole above the Coffee House. For more details and to register, please click [here](#).



Detox Meal  
Replacement  
and  
Supplements

Remember...real food. it's the new medicine.

As always, wishing you **real food**, for **real health** so you can be **real happy**.

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**Real Food. It's the New**

# Medicine.



A typical breakfast\*

Welcome to 2015 health conscious truth seekers. I decided to take a friend's suggestion and change my tag line. I hesitated because it was Hippocrates, way back in 460 B who said, "Let food be thy medicine and medicine be thy food." That's hardly new. Of course, back then, all food was organic, heirloom and chemical free. But then through the ages, especially in the last 50 years, our food supply experienced a toxic transformation. Simultaneously and insidiously, the food industry and Big Pharma took over the media to create a perfect storm against good health.

Fortunately, there are a growing number of folks who see that the resulting food-like substances being passed off as "healthy" can't build and sustain healthy cells, tissues, organs or bodies, and they contain [toxic ingredients](#) and chemical residues from [pesticides](#) and [processing](#). To top it all off, a good share of the time in this country, if we're eating processed food, we're eating [genetically modified organisms](#) (GMOs). [Unlike other countries](#), the [U.S. doesn't even have to label](#) these Frankenfoods.

The result of the food monster? We get sick. So, we turn to



the doctor for help. But we have been blinded by Big Pharma to the reality of the chemical medications. The [side effects](#) alone should be clear warning that something is not right. It is a fact that many medications are prescribed (or taken over the counter) for more than a year or two, even though they had never been [tested](#) for long-term use. To add insult to injury, synthetic drugs aren't adequately tested for potential [antagonistic effects](#) when used with the countless other drugs out there on the market. The kicker is this: many also damage the digestive tract and keep us from being able to take in nutrients we need to heal and stay healthy. Scary.

So, our well meaning doctors who are under the heavy influence of Big Pharma are maintaining the widespread delusion that chemicals created in a lab are somehow the answer when the body breaks down. Because the breakdown is from too many toxins and/or not enough nutrients, the perfect storm of ruined food and medicines engulfs us in wave after wave of sickness, or, at least, chronically bad health.

To regain health and maintain it, we must first build a healthy body. Most importantly, we can only do this with **real** food. When we eat real food we build a strong body that can thrive and handle the demands of our modern world. Real food is food grown in our own communities (so it's still fresh and nutrient rich) on organic farms (to minimize toxins and increase minerals). Real food needs to be from [grass-fed](#), free range animals and [wild harvested fish](#), raised, caught and/or harvested by ourselves or our neighbors (good for self-esteem and the local economy), and [prepared traditionally](#).

Whew! Does that sound complicated? Nah.

It's really quite simple to be healthy. We can do it – once we are able to get past the artificial reality created by mass media for the benefit of the food and drug industries. We can reclaim real food for all the pleasure and health benefits it

brings to us and our families. Then we break the cycle of illness and enjoy vibrant health. We can thrive.

Of course, we'll still get sick now and then. There will be times when our immune system is challenged. When this happens, we need to reject harmful drugs and instead look to natural remedies to heal infections and relieve discomfort. (Although, when there's an accident, modern medicine IS the place to turn to for trauma care.) We are lucky. Our ancestors and current health trail blazers provide us with a cornucopia of effective and safe medicines in the form of herbs, essential oils, naturopathy and homeopathy, chiropractic, massage, even physical therapy.

Now, this is where I come in.

When clients come to me, it's usually because they have a current issue of dis-function with their bodies. They've been caught in or are trying to avoid that perfect storm of ruined foods and toxic medications. I teach them to reclaim real food for themselves and their family and lead them to natural remedies that can heal and build health – – instead of just masking symptoms.

How to start? For the newbies to my site, here are some examples of healing foods:

[Coconut oil](#) – [Alzheimers](#), blood sugar stabilization, [weight management](#), hair, skin, nails and so much more

[Bone broth](#) – digestive healing, building teeth, bones and joints, aiding absorption of nutrients for a strong body

[Fermented foods](#) – digestive health, skin issues, mental health, [weight management](#), VITAL for health

Whole grains (still thought to be super foods) – if not [prepared properly](#) or if someone is sensitive, are responsible for everything from weight gain/loss, to brain fog, skin

eruptions, fatigue, bloating and diseases like Celiac.

[Plague Tonic](#) – the only flu shot I'll ever recommend.

We've got to get back to the basics and build our bodies with **real** food. It's the new medicine.

\* Typical Breakfast for me includes 2-3 pieces of local, free range bacon, 2 ([local, non-gmo fed, grazers](#)) eggs, a fried shredded purple potato (love that resveritrol) with onion (all from [Sweetwater Organic Local Foods Market](#)), [organic true sourdough](#) kamut (an ancient grain) toast with ghee (since I can't do butter – if you're not allergic – EAT BUTTER!!!), a tablespoon or two of homemade sauerkraut (made with cabbage and carrots from [Earthscape](#) and [Maple Moon](#)), and a cup of warm bone broth (made with chicken bones from [Hickory Ridge](#) or beef bones from [Crane Dance](#)).

This breakfast is far from the unnatural and cruel modern [dietary recommendations](#) that leave us hungry and unsatisfied. Recommendations that don't specify organics and are low-fat are based on sales, not health. Eating [truly healthy foods](#) like those pictured above changes our relationship with food. Eating is a nourishing and very satisfying experience.

Forever wishing you *real food* for *real health* so you can be *real happy*.

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## [Gluten 101](#)



We've been hearing the word gluten for some time now...WHAT is up? For the newbies, I thought I'd write a simple "Cliff Notes" version of the issue.

### **Humans have been eating bread for millennia, what's the big problem now?**

Well, things were fine when nature was overseeing natural hybridization, but in the 1960's, a movement began to [hybridize](#) wheat in the lab to increase yields. No safety tests were done. The 1990's saw even more changes in the grain. At least 5% of the proteins in wheat now were NEVER in the food supply before. We have not evolved to be able to digest them, so they're wreaking havoc on our bodies.

### **Who is at risk of gluten sensitivity?**

Unfortunately, just about everyone in the U.S., unless you've been eating solely ancient grains that the body knows how to process; these include einkorn and emmer. In addition, the grains needs to be processed by traditional methods to neutralize anti-nutrients – soaking and fermenting (true sourdough).

### **Where do we find gluten?**

Everything made with wheat, rye, barley, and triticale (cross between rye and wheat). So we're talking pizza, pasta, bread, breadING, baked goods, cereal, etc. Gluten can be found in oats through cross contamination but gluten free oats are available from suppliers who are careful to avoid this.

### **What digestive problems can be caused by gluten?**

Annoying things like constipation, heartburn, gas and bloating and diarrhea. With time, these will lead to more dangerous concerns like IBS, GERD, food intolerances, pancreatitis and celiac disease.

### **Are there other concerns besides digestion?**

Oh, yes, non-celiac gluten sensitivity (NCGS) can be responsible for or increase the severity of:

Skin problems – rash, acne, dark circles under the eyes, eczema, psoriasis.

Neurological symptoms – brain fog, ADHD, balance problems, headache (including migraine), increase symptoms of autism and schizophrenia.

Emotional problems – irritability, anxiety, dementia and Alzheimers, depression.

Musculoskeletal issues – fibromyalgia, joint pain and arthritis, chronic fatigue and reduced physical endurance.

Weight gain – especially around the middle and well as an increase in appetite.

Other – asthma, increase in blood pressure, just to name a couple.

### **Can gluten affect children and infants?**

Definitely. Gluten has been found to be a major contributing factor in colic, chronic ear infections, poor sleep, digestive issues and skin eruptions like eczema in children.

### **So, what IS celiac disease, anyway?**

Celiac disease is a digestive disease that severely damages the villi in the small intestine. Since it is in the small intestine that we get the nutrients out of our food, the body becomes malnourished because it cannot take in nutrients to rebuild itself. Significant deficiencies in minerals like iron, magnesium and zinc can cause a multitude of problems.

### **What does gluten do in the body?**

VERY simply, it increases a substance called zonulin which makes our intestines become leaky. Then all sorts of things, like proteins, can leak out and go to the part of our body that is vulnerable (joints – arthritis, brain – fog and dementia, skin – acne).

### **What is the incidence of gluten sensitivity?**

We know that celiac disease is on the rise, effecting about 2% of the population now, but non-celiac gluten sensitivity may affect between 30 and 40% of us, and “according to Dr. Alessio Fasano at Massachusetts General Hospital, virtually all of us are affected to some degree.” More info [here](#) from Dr. Mercola.

**Can you have a problem with gluten and have no noticeable digestive issues?**

Certainly. Sensitivity to gluten can show up anywhere.

The best way to see if it is affecting you, is to cut gluten out of your diet for a month (6 weeks is even better). I'd be surprised if you didn't feel better.

Until next time...wishing you **real food**, for **real health**, so you can be **real happy**.

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## **Does it bug you that you're eating Roundup? It should.**

I watched this video last week and felt so sad knowing many of my loved ones are seeking help for illness from the medical field while they're eating foods that not only can't sustain them, but are literally harming them. In this interview, the actual mechanisms of harm are identified. I just had to share.

Many thanks to [Jeffrey Smith](#) and [Dr. Stephanie Seneff](#) for describing in detail what happens to the body as a result of exposure to Round-up. These destructive actions are contributing to most, if not all, of the diseases of our time. **If you or anyone you know has one of the concerns listed directly below the video, I urge you to take an hour and watch.** For those who can't, I've summarized key points below,

along with the time reading from the interview so you can go directly to that topic if you like. This **IS** effecting you. It **IS** harming you.

[Jeffrey Smith interviews Dr. Stephanie Seneff about Glyphosate](#) from [Kristin Canty](#) on [Vimeo](#).

Problems influenced by glyphosate – the active ingredient in Roundup: anxiety, aggression, autism, ADHD, Alzheimers, cancer, depression, diabetes, fibromyalgia, gastrointestinal problems, heart disease, infertility, multiple sclerosis, and Parkinsons. If you have any of these issues and your health care professional has not advised you to stop eating conventionally raised food, you have not been given the whole truth. That professional has likely not been made aware of the **danger**, but it is **real**.

The interview begins by explaining that crops are now “Roundup Ready”, meaning the plants actually drink up the pesticide which leaves more in the food end product. Smith points out that the allowable residues have gone up since the plants were made Roundup Ready. Initially we were told Roundup would make it so less pesticides would have to be used, but the pests became resistant, and now its use has more than doubled. In the first 16 years, 527 million pounds of Roundup has been used. Current studies show, in the Midwest {7:20}, 60% to 100% of ALL samples of air, water and rain contain glyphosate. This is call for alarm. It is even found in the blood of newborn babies.

In a [recent post](#) on my site, I talk about how disease is caused by exposure to toxins and not having enough nutrients to protect ourselves. These are exactly the concerns Dr. Seneff cites {2:45} that Roundup is responsible for. She relates that glyphosate depletes calcium, magnesium, iron, zinc, cobalt and other minerals causing nutritional deficiencies AND leaves toxins in the body.

Dr. Seneff points out that Monsanto was able to say that the active ingredient in Roundup didn't effect human cells because it works on a metabolic pathway called the shikimate pathway, which humans don't have. However, as I pointed out in [last week's post on the Microbiome](#), we have 10 times more bacterial cells than human cells, and those bacteria ARE negatively effected by glyphosate, causing inflammation and other harmful responses.

What does glyphosate do in the body?

1. Harms our good bacteria and then bad (pathogenic) bacteria can take over (autism {5:00}) and produce toxins (i.e. ammonia and formaldehyde) that can lead to encephalopathy (Alzheimers {20:00}) and DNA damage {13:00} (cancer {34:30}). Dr. Seneff stressed the #1 action to take for Alzheimers is to remove all sources of glyphosate (it is in processed food and used often in lawn/yard care).

2. Blocks the CYP 450 enzyme pathway {17:00} which harms the liver, ezymes that help us detoxify, hormones and our ability to make vitamin D.

3. Destroys amino acids in food as well as interrupting the body's ability to make aromatic essential amino acids {25:03} like tryptophan and tyrosine. We need these aminos to make serotonin (lack = depression, aggression, obesity) and dopamine (Parkinson's {32:00} and fibromyalgia).

4. Contributes to multiple sclerosis {41:00} both by destroying the myelin sheath and by causing leaky gut which leads to the body attacking itself (autoimmune disorders – of which we are seeing a dramatic increase). Leaky gut, or intestinal permeability, also leads to bowel inflammatory disorders {45:30} like Crohn's disease, colitis and IBS.

5. Since minerals like zinc, cobalt and manganese are no longer available in our foods and our body requires these to function, we keep eating more and more in our body's desperate



attempt to get what it needs (Obesity {59:00}).

6. Disrupts our cells' ability to store sugar (Diabetes {59:00}).

What about safety studies? {36:20} Monsanto did do short term (90 day) studies for safety. However, when independent studies were done, in the fourth month of research, the female test animals (80%) developed mammary tumors (breast cancer) and the males developed tumors in their kidneys and liver problems. Much more on Monsanto's pseudo-science is available from the [Institute for Responsible Technology](#).

GM0 crops in this country include alfalfa, canola, corn, cotton, papaya, soy, sugar beets and squash (zucchini and yellow summer squash). And it's not just GM0s anymore, Folks. Smith points out {60:00} that glyphosate is now being sprayed on non GM0 crops such as barley, rice, wheat and rye immediately before harvest.

Bottom line...the mechanisms showing glyphosate/Roundup cause disease are now known and while you and I may not understand them in the detail Dr. Seneff does, we can take action to minimize their damaging effects on us. Eat NO GM0s. Eat organic. Do NOT spray your lawn and yard with Roundup or other toxic chemicals (that get on your shoes, your pets' feet, young children playing outside).

If you haven't already, I urge you to watch the film [Genetic Roulette](#) – The Gamble of Our Lives.

As always, wishing you **REAL** food, for **REAL** health so you can be **REAL** happy.

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