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http://people.csail.mit.edu/seneff/ 2017/AutismOne2017_Seneff.pptx





On Glyphosate Contamination in Food Products ...

"It is heartbreaking to see how this toxic, dangerous and unnecessary technology can strong arm its way into every facet of a supposedly democratic system and pollute its science, regulatory mechanism, academia, media, and the widest imaginable swath of political process, leaving virtually no clear avenue for the people to correct this wholesale chemical attack on society and an assault on nature."

Tony Mitra, Canadian activist

Outline

- Introduction
- Glyphosate in proteins
- Gluten intolerance
- MMR and autism: the evidence
- Glyphosate in MMR?
- Political developments
- How to safeguard yourself and your family
- Summary











Autoimmune Disease: An Invisible Epidemic*

"Taken together, the number of people suffering from autoimmune diseases is 24–50 million Americans, 16% of the US population. To put it in perspective, autoimmune disease prevalence equals heart disease and cancer combined."

*Feldman B, Martin EM, Simms T. An Invisible Epidemic — When your body attacks itself — Autoimmune Disease; How Reframing the Data Unveils a Public Health Crisis Bigger than Cancer and Heart Disease Combined. www.tincture.io.







7





Smallpox OPV (2 months) DTaP (pregnancy) Hep A (18 months) DTP DTP (4 months) Hep B (brith) Influenza (30 months) DTP (6 months) DTP (6 months) Hep B (breanths) Influenza (20 months) DTP (6 months) DTP (6 months) DTP (2 months) DTAP (2 months) DTP (18 months) DTP (2 months) DTP (4 years) DTV (4 years) DTP (18 months) DTV (2 months) Varicella (4 years) Varicella (4 years) DTP (18 months) PCV (2 months) Varicella (4 years) Varicella (4 years) DTP (18 months) PCV (2 months) Influenza (6 years) Influenza (6 years) DTP (4 years) IV (2 months) Influenza (6 years) Influenza (6 years) Td (15 years) TaP (4 months) Influenza (6 years) Influenza (9 years) vaccines vere freed from ALL Influenza (19 years) Influenza (19 years) Hep 8 (6 months) HHV (10 years) vaccines vere freed from ALL HB (6 months) Influenza (19 years) Influenza (19 years) Influenza (19 years) injury or death by the Chid- hood Vaccine Injury Act.	1962	19831	986 2	016
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*In 1986, Pharmaceutical manufacturers producing vacaries were fread from ALL injury or death by the Child- hod Vaccines Were fread from ALL injury or death by the Child- PCV (6 months) Influenza (10 years) HPV (10 years) With this, vaccines became HTP (6 months) HPV (10 years) With this, vaccines became Influenza (20 years) HPV (11 years)	Smallpox	OPV (2 months) DTP (4 months) OPV (4 months) DTP (6 months) MMR (15 months) DTP (18 months) OPV (18 months) DTP (4 years)	DTaP (pregnancy) Hep B (birth) Hep B (z months) DTaP (2 months) HE (2 months) PCV (2 months) IPV (2 months) Rotavirus (4 months) DTaP (4 months) HE (4 months)	Influenza (30 months) Influenza (42 months) DTaP (4 years) IPV (4 years) Varicolla (4 years) Influenza (5 years) Influenza (6 years) Influenza (7 years) Influenza (8 years)
HIGHLY profitable. There are	manufacture vaccines were liability resultin injury or deat hood Vaccir With this, vac	nrs producing freed from ALL ng from vaccine h by the Child- ie Injury Act. cines became	IPV (4 months) Hep B (6 months) Rotavirus (6 months) DTaP (6 months) HIE (6 months) PCV (6 months) IPV (6 months)	HPV (9 years) Influenza (10 years) HPV (10 years) Influenza (11 years) HPV (11 years) DTaP (12 years)

















- Neurological diseases
- Autoimmuno disossos
- C All of these diseases can be linked to
- In proteins that absolutely depend on
- F glycine to function properly
- Opesity and adrenal insumciency
- · Impaired iron homeostasis and kidney failure
- Insulin resistance and diabetes
- Cancer

*Samsel A and Seneff S. Journal of Biological Physics and Chemistry 2016;16:9-46.

Neurological Diseases

At least four neurological diseases related to misfolded proteins involve conserved glycine residues

Disease	Protein	Reference
Alzheimer's	Amyloid beta	Munter et al.
Parkinson's disease	Alpha synuclein	Du et al.
ALS	TDP-43	Pesiridis et al.
Prion diseases	Prion proteins	Harrison et al.
H-N Du et al., Bio S Pesiridis et al., H	. The EMBO Journal 2007; chemistry 2003; 42: 8870- Hum Mol Genet 2009; 18(F , J Biol Chem 2010; 285(26	8878. R2): R156-R162.



 Autism has been linked to a weakened response of the inhibitory GABA receptor to stimuli*



 The GABA receptor has a conserved glycine at the entrance to the first membranespanning domain that is essential for its function**

> *CD Robertson et al., Current Biology 2016;26: 80-85 **BX Carlson et al., Mol Pharmacol. 2000;57(3):474-84











Gluten Intolerance











Celiac Disease, Glyphosate and Non Hodgkin's Lymphoma

- Glyphosate preferentially kills bifidobacteria*
- Bifidobacteria are depleted in Celiac disease**
- Celiac disease is associated with increased risk to non Hodgkin's lymphoma***
- Glyphosate itself is also linked directly to non Hodgkin's lymphoma****

*A.A. Shehata et al., Curr Microbiol. 2013 Apr;66(4):350-8.

- ** M. Velasquez-Manoff, NY Times Sunday Review, Feb. 23, 2013.
- *** C. Catassi et all, JAMA. 2002 Mar 20;287(11):1413-9.
- ****M. Eriksson et al., Int J Cancer. 2008 Oct 1;123(7):1657-63.

"Herbicide Resistant Ryegrass Troubling for Wheat Growers"*

"If you see ryegrass at harvest following an Axial XL application, it may be resistant. And you can scatter seed all over the field with the combine."

"A reduced-tillage approach, using a burndown herbicide ahead of planting in a stale seedbed, also holds promise for improved control."

" 'We may be able to knock out 80% to 90% of the resistant ryegrass with glyphosate.' "

-- Jim Swart, integrated pest management specialist

*Ron Smith, Western Farm Press, Mar. 23, 2013





Benefits of Infectious Diseases

- A large Japanese study found that a history of measles and mumps in childhood is significantly protective against deadly heart attacks and strokes during adulthood*
- Adults who had contracted chicken pox were 33% less likely to develop coronary heart disease
- Each additional contagious disease contracted during childhood, such as measles, mumps or rubella, increased the protective effect against acute coronary events by 14%**
- Tumor remissions after measles infection are well documented in the medical literature
 - *Y. Kubota et al., Atherosclerosis 2015;241(2):682-686. ** E. Pesonen et al., Atherosclerosis 2007;192(2): 370-375.



*https://vactruth.com/2016/06/23/japanese-government-bans-mmr-vaccine/ http://www.merck.com/product/usa/pi_circulars/m/mmr_ii/mmr_ii_pi.pdf http://www.merck.com/product/usa/pi_circulars...pdf





"The Impact of the Gut Microbiota on Humoral Immunity to Pathogens and Vaccination in Early Infancy"*

- Gut microbiota are a dynamic community of intestinal bacteria, viruses, fungi, and archaea
 - They play an important role in activating the developing immune system and inducing protective antibody responses
- Germ-free mice have low antibody response to flu vaccine
- Bifidobacteria enhance oral vaccine efficacy
- Protective antibodies from mom's milk interfere with vaccine response

* QN Nguyen et al., PLOS Pathogens 12(12): e1005997

"Inhibition of Vaccine Responses by Maternal Antibodies"*

"The only clinical solution to stimulating a protective B cell response in the presence of maternal antibodies is to immunize children repeatedly"

*Stefan Niewiesk, J Pediatr Inf 2013; 7: 157-61.

Probiotics and the immunological response to infant vaccinations: a prospective, placebo controlled pilot study*

- Oral probiotics given to infants during the period of immunization do not interfere with the immune response, and may improve seroconversion rates.
- Probiotics may potentially reduce vaccinerelated adverse effects in infants.

* I. Youngster et al., Arch Dis Child 2011;96:345-349.

"Probiotics and the immunological response to infant vaccinations: a prospective, placebo controlled pilot study"*

 Table 2
 Number of study participants failing to reach protective
 IgG antibody titres 3 months after vaccination for mumps, measles, rubella and varicella

	Placebo group	Probiotic group	p Value
Rubella IgG	3 (13%)	1 (4%)	0.226
Mumps IgG	2 (9%)	2 (8%)	0.392
Measles IgG	4 (18%)	2 (8%)	0.187
Varicella IgG	6 (27%)	3 (12%)	0.117
All measured IgG antibodies combined	15 (17%)	8 (8%)	0.052

 Table 3
 Number of study participants reporting vaccine related adverse events up to 10 days following vaccination for mumps, measles, rubella and varicella as reported by the parents during phone interview

	Placebo group	Probiotic group	p Value
Fever	5 (22.7%)	1 (4.0%)	0.072
Restlessness	4 (18.1%)	2 (8.0%)	0.286
Diarrhoea	2 (9.0%)	1 (4.0%)	0.484
Any reported adverse effect	11 (16.6%)	4 (5.3%)	0.051

*I Youngster et al. Arch Dis Child 2011 96:345-349

"Deep sequencing reveals persistence of cell-associated mumps vaccine virus in chronic encephalitis"*

- Child diagnosed with severe immune deficiency 4 months after MMR vaccine
- 10 months post-vaccine: rash, diarrhoea, lethargy and seizures, with evidence of encephalitis on magnetic resonance imaging (MRI)
- Deep sequencing of brain biopsy revealed match to *mumps* strain of MMR vaccine
- Common pathogenic process with measles encephalitis

*S Morfopoulou et al., Acta Neuropathol (2017) 133:139-147. Summary: http://www.greenmedinfo.com/blog/vaccine-did-it-mutatedmmr-mumps-virus-brain-child-caused-his-death-british-resea



"Empirical Data Confirm Autism Symptoms Related to Aluminum and Acetaminophen Exposure"*

- We found a significant link between MMR and autism (p = 0.007)
 - We were puzzled, because it doesn't contain aluminum and it doesn't contain mercury
 - We blamed it on the acetaminophen
- We were partly right!
 - Glyphosate suppresses the liver CYP enzymes that are needed to metabolize acetaminophen

*S Seneff et al., Entropy 2012, 14, 2227-2253.



"A Population-Based Study of Measles, Mumps, and Rubella Vaccination and Autism"*

- Danish study,2004 claimed no relationship
- Flawed study:
 - The "not vaccinated" group are a biased group (not randomly selected)
 - They put all the autistic kids younger than 15 months into the "not vaccinated" group (should have thrown them out)
 - They divided up age groups such that the key date (15 months) was buried in the middle of the 0-3 age group.
- "not-vaccinated" group had substantially fewer autism cases in the 3-5 yr age group
 - 41% increased risk of autism in vaccinated group

*KM Madsen et al., N Engl J Med 2002;347:1477-1482.



Glyphosate IN MMR?

Glyphosate in Vaccines?For MMR, flu vaccine, and rabies vaccine, live virus

- is grown on *gelatin* derived from ligaments of pigs
- Pigs are fed GMO Roundup-Ready corn and soy feed
- Gelatin (derived from collagen) contains significant amounts of both glycine and glutamate
 - These two neurotransmitters excite the NMDA receptors in the brain
 - Glyphosate substitution by mistake for glycine is a possibility!
- Glyphosate stimulation of NMDA receptors could cause neuronal burnout



Glyphosate Contamination in Vaccines (Parts Per Billion)* Merck ZOSTAVAX 0.62 Shingles 3.74 Measles, Mumps Merck MMR-II and Rubella VARIVAX 0.56 Varicella, Chicken Pox Merck MERCK PNEUMOVAX ND Pneumococcal 18 MERCK PROQUAD 0.66 Measles, Mumps, Rubella, Varicella GSK 0.34 Heptatitis B ENERGIX-B *A Samsel and S Seneff, Journal of Biological Physics and Chemistry 2017;17:8-32.

The Purdue Vaccination Studies and Auto-antibodies*

"The Purdue studies also found that vaccinated dogs were developing autoantibodies to their own collagen"



*http://www.dogsnaturallymagazine.com/purdue-vaccination-studies/



Symptoms of Adverse Reactions to MMR before and after 2002*

	More Common Bef		1
Reaction	Count Before 2002	Count After 2002	<i>p</i> -value
joint pain	126	65	0.036
	More Common Af	ter 2002	
Reaction	Count Before 2002	Count After 2002	p-value
hospitalization	71	319	0.00037
seizures	203	462	0.0014
shortness of breath	100	216	0.010
hives	324	504	0.011
mumps	5	51	0.014
abscess	51	120	0.022
autism	69	143	0.024
eczema	4	36	0.026
ear infection	f16	56	0.031
anaphylactic shock	16	54	0.034
facial swelling	45	95	0.040
swelling	860	1018	0.048

*Data analyzed from the VAERS database

Symptoms of Adverse Reactions to MMR before and after 2002*

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anusm	09	143	0.024
eczema	4	36	0.026
ear infection	f16	56	0.031
anaphylactic shock	16	54	0.034
Facial swelling	45	95	0.040
swelling	860	1018	0.048
	1	1	

Measles Virus and Hemagglutinin*

- The measles virus synthesizes the protein hemagglutinin
 - Antibodies to hemagglutinin are essential following MMR vaccination to induce immunity
- Hemagglutin bears a sequence resemblance to myelin basic protein (MBP) → potential for autoimmune reaction
- MBP is essential for the formation of the myelin sheath surrounding nerve fibers
 - Children with a rare genetic defect involving deletion of MBP can suffer from microcephaly**
- Autoantibodies to MBP along with excessive levels of antibodies to measles hemagglutinin are linked to autism***

*Oldstone, MBA, Ed. Molecular mimicry: Infection inducing autoimmune disease. Springer Berlin Heidelberg; January 9, 2006.

- **AD Kline et al., Am J. Hum. Genet. 1993;52:895-906.
- ***VK Singh et al., J Biomed Sci 2002;9(4):359-64.



- 125 autistic children and 92 control children
- 60% of the children with autism had high levels of antibodies to measles hemagglutinin specific to the MMR vaccine
 - 90% of these had autoantibodies to myelin basic protein (MBP)
- 0% of the control children had high antibody titers to either hemagglutinin or MBP
- There were no elevations in antibodies detected against any proteins in the mumps or rubella viruses

*VK Singh et al., J Biomed Sci 2002;9(4):359-64.





Precedent: Glyphosate in Drugs?*

- Trasylol (aprotinin) is a protein derived from bovine lung used to reduce bleeding during open heart surgery
- Rare acute reaction to Trasylol involves precipitous drop in blood pressure, acute kidney failure, and sudden death
 - Piglets injected with glyphosate salts had similar acute reaction with high mortality rate
- Cows fed GMO Roundup-Ready feed had highest residue levels of glyphosate in lungs

*S Seneff et al., Agricultural Sciences 2015; 6:1472-1501.











Robert F. Kennedy, Jr. announces the World Mercury Project's \$100,000 challenge

FOR IMMEDIATE RELEASE CONTACT: Laura.Bono@WorldMercuryProject.org, 202-854-1310

Robert F. Kennedy, Jr. announces the World Mercury Project's \$100,000 challenge with goal of stopping use of highly toxic mercury in vaccines.

WASHINGTON, Feb. 15, 2017 – Robert F. Kennedy Jr., Chairman of the World Mercury Project (WMP), announced a \$100,000 challenge today aimed at putting an end to including mercury, a neurotoxin that is 100 times more poisonous than lead, in vaccines administered in the U.S and globally.

Thimerosal, a mercury-containing preservative, is still in 48 million U.S. flu vaccines each year, tetanus toxoid, meningococcal vaccines and, in massive doses, in the pediatric vaccines given to 100 million children across the developing world. A Centers for Disease Control (CDC) review published last month found that the ethylmercury in thimerosal is as profoundly neurotoxic as the heavily regulated methylmercury in fish.



Some Examples of CDC Vaccine Patents*

- CDC patents applicable to vaccines for Flu, Rotavirus, Hepatitis A, HIV, Anthrax, Rabies, Dengue fever, West Nile virus, Group A Strep, Pneumococcal disease, Meningococcal disease, RSV, Gastroenteritis, Japanese encephalitis, SARS, Rift Valley Fever, and chlamydophila pneumoniae.
- Nucleic acid vaccines for prevention of flavivirus infection, which has applications in vaccines for Zika, West Nile virus, Dengue fever, tick-borne encephalitis virus, yellow fever, Palm Creek virus, and Parramatta River virus.
- Several patents for administering various "shots" via aerosol delivery systems for vaccines.

*greenmedinfo.com/blog/examining-rfk-jrs-claim-cdc-owns-over-20-vaccine-patents



Dr. Jeffrey Dach on Autism and Vaccines*

"Authoritarian rulers typically enforce discipline by making an example of dissenters, who are accused of being `enemies of the state' and summarily executed. Such an example was made of Dr. Wakefield whose career was destroyed after his research came up with the `wrong findings.' Perhaps this weighs heavily on the minds of academics thinking of studying autism."

*jeffreydachmd.com/2017/01/donald-trump-autism-vaccination-and-robert-kennedy-jr/



VaxXed Movie Story Line

- In 2013, William Thompson, PhD called Dr. Brian Hooker, autism parent, because he was wracked with guilt about his participation in a falsified CDC study on MMR and autism
- In African-American boys, autism was 3.4 times as common in children who received the MMR before 3 years than in children who received it after 3 years.
- Among children who had been developing normally up to 1 year old, those who regressed into autism were more than 7 times as likely to have had MMR before the age of 3.
- All the children in the study had been given the MMR vaccine



*AJ Wakefield et al., Lancet. 1998 Feb 28;351(9103):637-41





Recapitulation

- The CDC found a statistically significant link between MMR and autism in black males, but chose to bury that information
 - This cover-up has come to light through revelations by Dr. Thompson of the CDC
- The CDC owns many patents related to vaccines that constitute a conflict of interest
- Vaccines are not treated with as much scrutiny as drugs, in large part because the industry is protected from lawsuits
- Dr. Wakefield's career was destroyed because he discovered a plausible link between MMR and autism
 - A new verb has emerged in the vernacular: "to get Wakefielded"
 - Research advances on autism have been set back severely



Extracts from Common Plants Can Treat Glyphosate Poisoning*

- Roundup is toxic to hepatic and embryonic cells at doses far below those used in agriculture and at residue levels present in some GM food.
- Extracts from common plants such as dandelions, barberry, and burdock can protect from damage, especially if administered prior to exposure.



*C Gasnier et al. Journal of Occupational Medicine and Toxicology 2011, 6:3











Kefir: Natural Probiotics*

 Kefir is a fermented milk product originating in the Caucasus mountains centuries ago



- Can be made from
 milk from cows, sheep and goats
- Slightly sour and carbonated
- One of the most potent probiotic foods available

*https://chriskresser.com/kefir-the-not-quite-paleo-superfood/

