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## Vaccines and Glyphosate: A Toxic Combination

Stephanie Seneff  
Toronto, Canada  
March 27, 2018



*"The great doctors of the world know the medical theory of immunization and contagious diseases is as false as false can be. But they dare not speak out; and as long as the practice makes money for those who sponsor it, and people can be persuaded to believe in it, there will be no change."*

Prof. Hilton Hotema, 1970.



## **Outline**

- Introduction
- MMR and glyphosate
- Aluminum in vaccines
- Gardasil and autoimmune disease
- Solutions

## **Introduction**

## The Big Picture

- Vaccine benefits are over-rated
- Vaccine damage is vastly underestimated
- Those who should protect us are in collusion with the industry and serve to profit off of vaccines
- Vaccines drive the immune system towards antibody-based immunity that leads to autoimmune disease



Source: J.B. Handley, with permission

CDC Childhood Immunization Schedule <sup>12</sup>		
1986	2017	
DTP (2 months)	Influenza (pregnancy)	Influenza (18 months)
Polio (2 months)	TDaP (pregnancy)	Influenza (2 years)
DTP (4 months)	Hepatitis B (one day)	Influenza (3 years)
Polio (4 months)	Hepatitis B (one month)	Influenza (4 years)
DTP (6 months)	DTaP (2 months)	DTaP (4 years)
MMR (15 months)	Polio (2 months)	Polio (4 years)
DTP (18 months)	Hib (2 months)	MMR (4 years)
Polio (18 months)	PCV (2 months)	Varicella (4 years)
DTP (4 years)	Rotavirus (2 months)	Influenza (5 years)
Polio (4 years)	DTaP (4 months)	Influenza (6 years)
Tetanus (14 years)	Polio (4 months)	Influenza (7 years)
	Hib (4 months)	Influenza (8 years)
	PCV (4 months)	Influenza (9 years)
	Rotavirus (4 months)	Influenza (10 years)
	DTaP (6 months)	HPV (11 years)
	Polio (6 months)	Men (11 years)
	Hepatitis B (6 months)	TDaP (11 years)
	Hib (6 months)	Influenza (11 years)
	PCV (6 months)	HPV (11 ½ years)
	Rotavirus (6 months)	Influenza (12 years)
	Influenza (6 months)	HPV (12 years)
	MMR (12 months)	Influenza (13 years)
	Varicella (12 months)	Influenza (14 years)
	Hib (12 months)	Influenza (15 years)
	Hepatitis A (12 months)	Men (16 years)
	PCV (12 months)	Influenza (16 years)
	DTaP (15 months)	Influenza (17 years)
	Hepatitis A (18 months)	Influenza (18 years)

<http://www.phrma.org/press-release/medicines-in-development-vaccines>

“How is disinterested vaccine safety governance even remotely possible when HHS employees stand as heroes at the head of the parade when a new vaccine is invented within its walls, while agency leaders are leading the cheering section, approving the new product’s launch, making the market for the product with its policy recommendations, and then turning around to cash multimillion-dollar checks?”

Mark Blaxill, *A LICENSE TO KILL?*

Chapter 19 in **VACCINE EPIDEMIC**, Louise Kuo Habakus, MA and Mary Holland, JD, Editors

## The “Pro-Vax” Message is Not Working\*

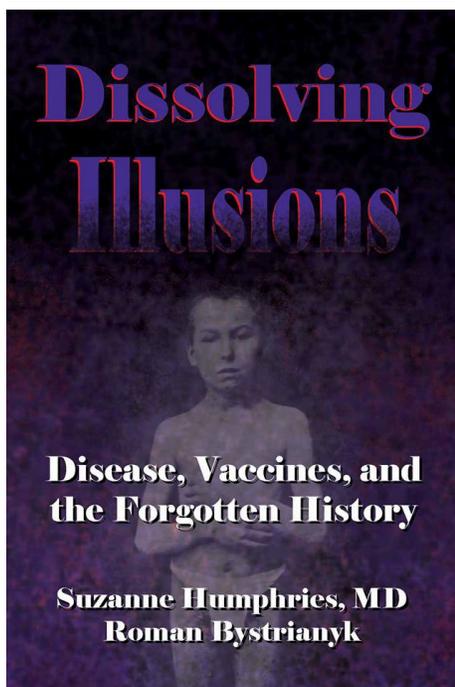
### “Conclusions:

None of the pro-vaccine messages created by public health authorities

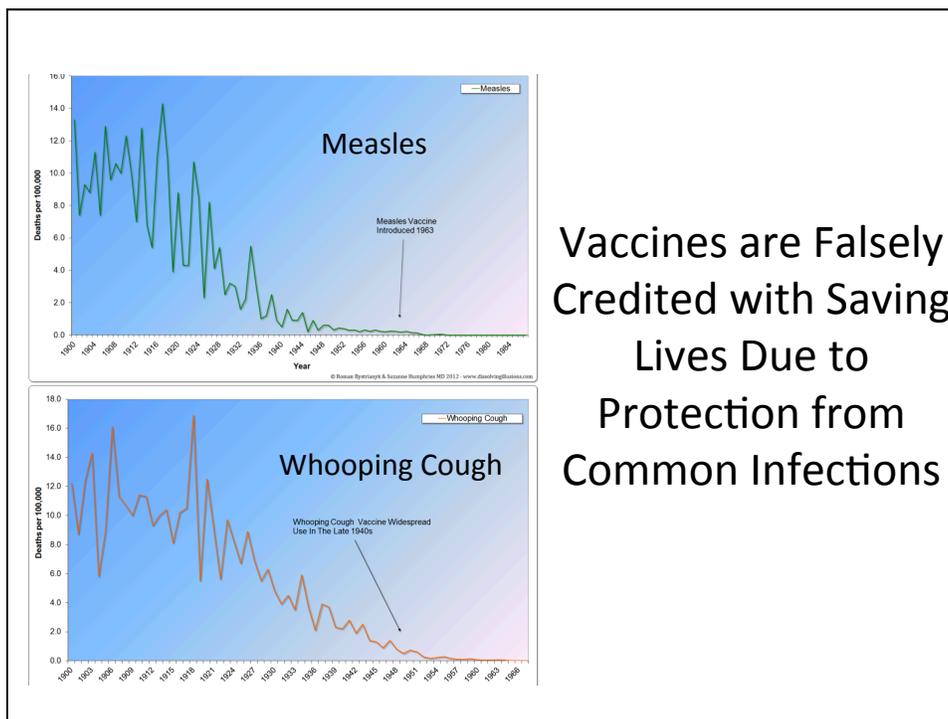
increased intent to vaccinate with MMR among a nationally representative sample of parents who have children age 17 years or younger at home.”



\*B Nyhan et al. Pediatrics 2014;133(4): e835-e842.

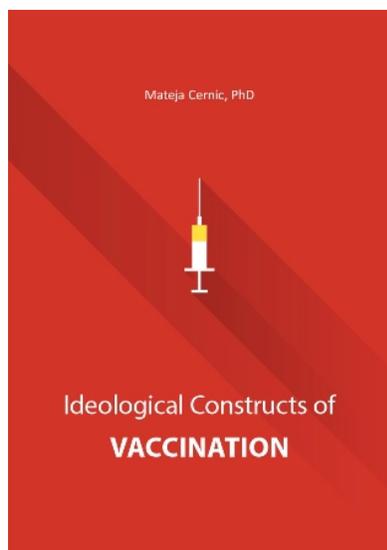


Dr. Suzanne Humphries  
Dissolving Illusions



Vaccines are Falsely Credited with Saving Lives Due to Protection from Common Infections

## Dr. Mateja Černič



## Vaccine Induced Immune Overload\*

Mercury, aluminum, formaldehyde, MSG, neomycin, gentamycin, streptomycin, polymyxin B, polyethylene glycol, squalene, killed and/or live viruses, viral contaminants, etc.

→ Type 1 and type 2 diabetes, NASH, autism, asthma, food allergies, thyroiditis, vasculitis and autoimmune rheumatic diseases like lupus, rheumatoid arthritis, psoriasis and metabolic syndrome.

\*Classen JB, J Mol Genet Med 2014, S1:025

## All Vaccines are Immune Suppressing\*

"All vaccines are immune suppressing—that's just a fact of life. Foreign proteins, toxic chemicals, foreign DNA from animal tissues, and viruses in vaccines permanently alter the body's immune response, suppressing immunity and creating the opportunity for infection, cancer, brain damage, and autoimmune diseases."

"Contrast this harm to the few measurable benefits provided by vaccinations and you have to wonder why something so dangerous is allowed on the market, and why parents allow their children to be vaccinated."

--Raymond Francis

\* <http://raymondfrancisauthor.com/immune-suppression-and-vaccines/>

## "Influenza: marketing vaccine by marketing disease"\*

“Even the ideal influenza vaccine, matched perfectly to circulating strains of wild influenza and capable of stopping all influenza viruses, can only deal with a small part of the ‘flu’ problem

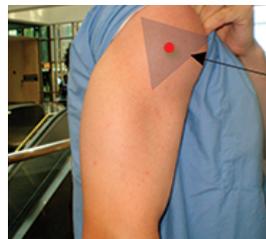
...

Every year, hundreds of thousands of respiratory specimens are tested across the US. Of those tested, on average **16%** are found to be influenza positive.”

\*Peter Doshi. BMJ 2013; 346:f3037

## “Increase in Vaccine-Related Shoulder Injuries”\*

- Pain develops within 24 hours of vaccination
- Flu vaccine is especially significant because it is repeated year after year
- Vaccine is administered too high on the shoulder
- Pain persists over time and can be debilitating
- Issues develop with rotator cuff because of an autoimmune reaction to toxic substances in the vaccine



The red circle marks the target area of intramuscular injection.

\*[articles.mercola.com/sites/articles/archive/2017/12/12/vaccine-shoulder-injuries.aspx](http://articles.mercola.com/sites/articles/archive/2017/12/12/vaccine-shoulder-injuries.aspx)

"The most commonly compensated injury in the US National Vaccine Injury Compensation Program is Guillain-Barré Syndrome occurring after the *flu shot*. GBS is an autoimmune reaction in which the body attacks itself causing paralysis."

-- Andre Angelantoni. Sep 30, 2017.

<https://medium.com/@andreangelantoni/there-are-several-significant-errors-the-doctor-includes-in-her-article-6dfc196afd9b>

## Example Papers Showing Vaccine Ineffectiveness

- MMR vaccine decreased immune cell response to Candida (yeast)\*
- Flu vaccine *increased* risk to "flu-like" disease by factor of 1.6.\*\*
- Children in Hong Kong receiving flu vaccine had *4.4-fold increased risk* to non-influenza flu-like infections over the following year\*\*\*

\*TP Maner et al., J Infect Dis. 1975 Jul;132(1):75-8.

\*\*A Dierig et al. Influenza and Other Respiratory Viruses 2014;8(3): 293-301.

\*\*\*BJ Cowling et al. Clin Infect Dis 2012; 54(12): 1778-1783.

## DPT vaccine in Guinea-Bissau, Africa caused 5-fold increase in mortality\*

"All currently available evidence suggests that DTP vaccine may kill more children from other causes than it saves from diphtheria, tetanus or pertussis. Though a vaccine protects children against the target disease it may simultaneously increase susceptibility to unrelated infections."

\*S.W. Mogensen et al. EBioMedicine 17 (2017) 192–198

## Onset of some neuropsychiatric disorders may be temporally related to recent vaccination\*

- Hepatitis A vaccine linked to OCD and anorexia nervosa
- Hepatitis B vaccine linked to anorexia
- Meningitis vaccine linked to anorexia and chronic tic disorder
- **Any** vaccine in previous 3 months strongly linked to anorexia



\*DL Leslie et al. Front. Psychiatry, 19 January 19, 2017; 8:3.

## Recapitulation

- Agencies in charge of health safety hold lucrative vaccine patents
- Vaccines weaken the general immunity and increase the risk to autoimmune disease
- Flu vaccine works poorly to prevent flu, and most flu-like diseases are not caused by the flu virus
  - Flu vaccine holds serious risk to paralyzing Guillain-Barré Syndrome
- Vaccines can cause severe injury to the rotator cuff if incorrectly administered
- DPT vaccine administered in Africa increased infant mortality five-fold due to other causes
- Vaccines are associated with anorexia and tic disorders
- Multiple recent books provide clear evidence that vaccination risk/benefit ratios are misrepresented by governments

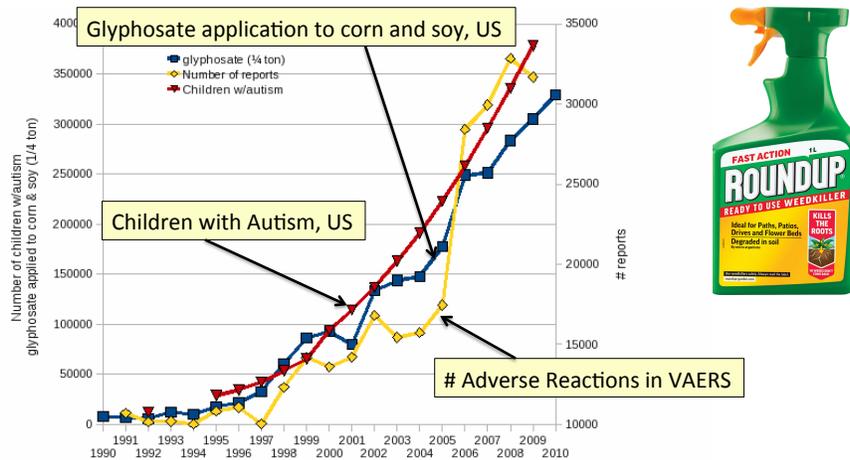
## MMR and Glyphosate

## Some Adverse Reactions of MMR\*

“A shortened version of the vaccine damage associated with the MMR vaccine includes vomiting, diarrhea, anaphylaxis, ear pain, nerve deafness, diabetes, arthritis, myalgia, encephalitis, febrile seizures, pneumonia, and death.”

\*<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/m/mmr_ii/mmr_ii_pi.pdf)  
[http://www.merck.com/product/usa/pi\\_circulars...pdf](http://www.merck.com/product/usa/pi_circulars...pdf)

## Autism, Glyphosate, Vaccine Reactions\*



\*Collaboration with Nancy Swanson

## Glyphosate is Pervasive in Our Food Supply!

ORIGIN	Yes	No	ASSESSMENT
CANADA	126	140	WORST
UNKNOWN	143	133	WORST
UNITED STATES	1474	84	WORST
TURKEY	27	110	BAD
TAIWAN	27	140	BAD
HONGKONG	18	140	BAD
<b>SUBTOTAL</b>	<b>4228</b>	<b>546</b>	<b>BAD</b>
JAPAN	19	11	CAUTION
LEBANON	13	37	CAUTION
ITALY	36	18	CAUTION
INDIA	255	15	CAUTION
<b>SUBTOTAL</b>	<b>309</b>	<b>17</b>	<b>CAUTION</b>
AFRICA	11	9	GOOD
EUROPE	24	7	GOOD
CHINA	34	7	GOOD
SPAIN	10	10	GOOD
ECUADOR	10	10	GOOD
NETHERLANDS	10	9	GOOD
GUATEMALA	10	9	GOOD
INDONESIA	10	9	GOOD
THAILAND	10	9	GOOD
FRANCE	10	9	GOOD
SOUTH AFRICA	10	9	GOOD
MEXICO	10	9	GOOD
INDIA	10	9	GOOD
GHANA	10	9	GOOD

*tony mitra*



25SA16A

### Glyphosate pathways to modern diseases VI: Prions, amyloidoses and autoimmune neurological diseases

Anthony Samsel<sup>1</sup> and Stephanie Seneff<sup>2,\*</sup>

<sup>1</sup> Samsel Environmental and Public Health Services, Deerfield, NH 03037, USA

<sup>2</sup> Computer Science and Artificial Intelligence Laboratory, MIT, Cambridge, MA 02139, USA

Usage of the herbicide glyphosate on core crops in the USA has increased exponentially over the past two decades, in step with the exponential increase in autoimmune diseases including autism, multiple sclerosis, inflammatory bowel disease, type 1 diabetes, coeliac disease, neuromyelitis optica and many others. In this paper we explain how glyphosate, acting as a non-coding amino acid analogue of glycine, could erroneously be integrated with or incorporated into protein synthesis in place of glycine, producing a defective product that resists proteolysis. Whether produced by a microbe or present in a food source, such a peptide could lead to autoimmune disease through molecular mimicry. We discuss similarities in other naturally produced disease-causing amino acid analogues, such as the herbicide glufosinate and the insecticide L-canavanine, and provide multiple examples of glycine-containing short peptides linked to autoimmune disease, particularly with respect to multiple sclerosis. Most disturbing is the presence of glyphosate in many popular vaccines including the measles, mumps and rubella (MMR) vaccine, which we have verified here for the first time.

\*A Samsel and S Seneff, Journal of Biological Physics and Chemistry 2017;17:8-32.



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<sup>1</sup> Sa<sup>2</sup> Co

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## Glyphosate Contamination in Vaccines (Parts Per Billion)\*

Merck	ZOSTAVAX	0.62	Shingles
Merck	MMR-II	3.74	Measles, Mumps and Rubella
Merck	VARIVAX	0.56	Varicella, Chicken Pox
MERCK	PNEUMOVAX	ND	Pneumococcal 18
MERCK	PROQUAD	0.66	Measles, Mumps, Rubella, Varicella
GSK	ENERGIX-B	0.34	Heptatitis B

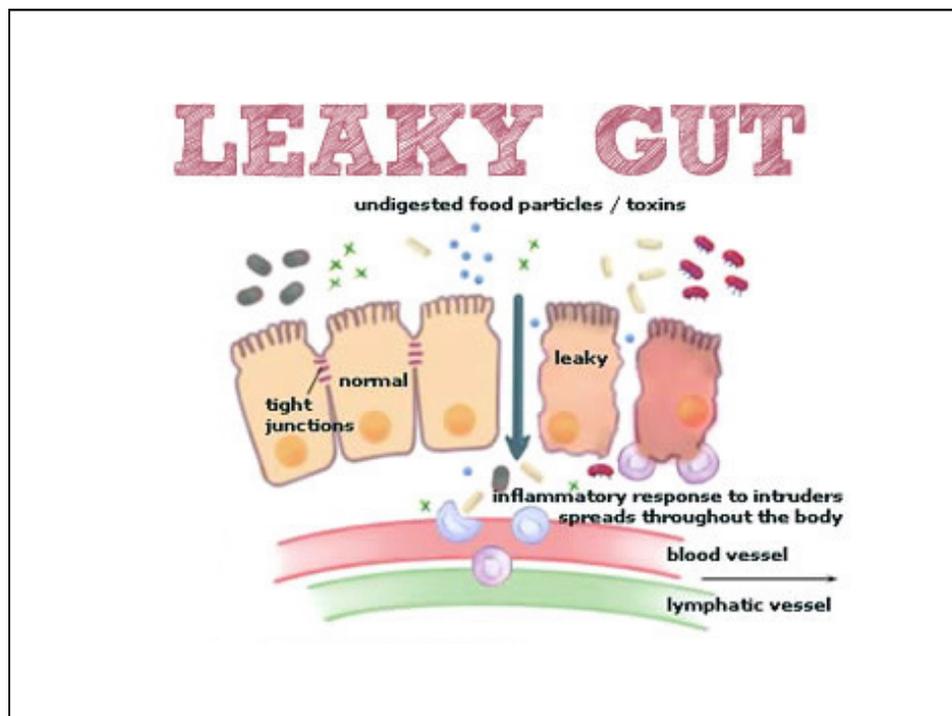
\*A Samsel and S Seneff, Journal of Biological Physics and Chemistry 2017;17:8-32.

## Glyphosate Contamination in Vaccines (Parts Per Billion)\*

Live measles virus is grown on gelatin which is sourced from the bones and ligaments of pigs and cows fed heavy doses of glyphosate in their feed

MERCK	PROQUAD	0.66	Measles, Mumps, Rubella, Varicella
GSK	ENERGIX-B	0.34	Heptatitis B

\*A Samsel and S Seneff, Journal of Biological Physics and Chemistry 2017;17:8-32.



## Glyphosate and the Gut: Digestive Enzymes

- Glyphosate has been found as a contaminant in digestive enzymes trypsin, pepsin and lipase\*
- Trypsin impairment prevents proteins like gluten in wheat from being digested
- Undigested proteins induce release of zonulin which opens up gut barrier\*\*
- Zonulin lingers because trypsin is defective

\* A Samsel and S Seneff. J Biol Phys Chem 2017;17:8-32

\*\* JJ Gildea et al. J Clin Nutr Diet. 2017, 3:1.

### Ileal-lymphoid-nodular hyperplasia, non-specific colitis, and pervasive developmental disorder in children

A J Wakefield, S J Murch, A Anthony, J Linnell, D M Casson, M Malik, M Berelowitz, A P Dhillon, M A Thomson, M Davison, A Smeeth, S E Davies, J A Walker-Smith

#### Summary

We report a consecutive series of 12 children with ileal-lymphoid-nodular hyperplasia, non-specific colitis, and regressive

Dr. Andrew Wakefield

of 12 children (mean age 6 years [range 3-10], 11 boys) were referred to a paediatric gastroenterology unit with a history of normal development followed by loss of acquired skills, including language, together with diarrhoea and abdominal pain. Children underwent gastroenterological, neurological, and developmental assessment and review of developmental records. Ileocolonoscopy and biopsy sampling, magnetic-resonance imaging (MRI), electroencephalography (EEG), and lumbar puncture were done under sedation. Biochemical, haematological, and immunological profiles were examined.

**Findings** Onset of behavioural symptoms was associated with measles, mumps, and rubella vaccination in eight of the 12 children, with measles infection in one child, and otitis media in another. All 12 children had intestinal abnormalities (range, from lymphoid nodular hyperplasia to atrophic colitis). Histology showed patchy chronic inflammation in 11 children and reactive ileal lymphoid hyperplasia in seven, but no granulomas. Behavioural disorders included autistic spectrum disorder (one), a possible encephalitis (one). There were no abnormalities on MRI and EEG tests. Laboratory results were significantly raised urinary thymine/uracil acid compared with age-matched controls (p=0.03), low haemoglobin in four children, and low serum IgA in two children.

Lancet, 1998

**Interpretation** We identify an associated gastrointestinal disease and developmental regression in a group of previously healthy children, which was generally associated in time with possible environmental triggers.

Lancet 1998; 351: 637-41  
See commentary page

#### Introduction

We saw several children who, after a period of apparent normality, lost acquired skills, including communication. They all had gastrointestinal symptoms, including abdominal pain, diarrhoea, and vomiting and, in some cases, food intolerance. We describe the clinical findings, and gastrointestinal features of these children.

#### Patients and methods

12 children, consecutively referred to the department of paediatric gastroenterology with a history of a pervasive developmental disorder with loss of acquired skills and intestinal symptoms (abdominal pain, bloating and food intolerance), were investigated. All children were admitted to the ward for work, accompanied by their parents.

#### Clinical investigations

We took histories, including details of immunisations and exposure to infectious diseases, and assessed the children. In 11 cases the history was obtained by the senior clinician (JW-S). Neurological and psychiatric assessments were done by consultant paediatricians (PH, MB) with HMS-4 criteria. Developmental records included a review of prospective developmental records from parents, health visitors, and general practitioners. Four children did not undergo psychiatric assessment in hospital; all had been assessed professionally elsewhere, so these assessments were used as the basis for their behavioural diagnosis.

After bowel preparation, ileocolonoscopy was performed by SFM or MAT under sedation with midazolam and pethidine. Paired frozen and formalin-fixed mucosal biopsy samples were taken from the terminal ileum, ascending, transverse, descending, and sigmoid colons, and from the rectum. The procedure was recorded by video or still images, and were compared with images of the previous seven consecutive paediatric colonoscopies (four normal colonoscopies and three on children with ulcerative colitis), in which the physician reported normal appearances in the terminal ileum. Barium follow-through radiography was possible in some cases.

#### Laboratory investigations

Thyroid function, serum long-chain fatty acids, and cerebrospinal-fluid lactate were measured to exclude known causes of childhood neurodegenerative disease. Urinary

**Ileal-lymphoid-nodular hyperplasia, non-specific colitis, and pervasive developmental disorder in children**

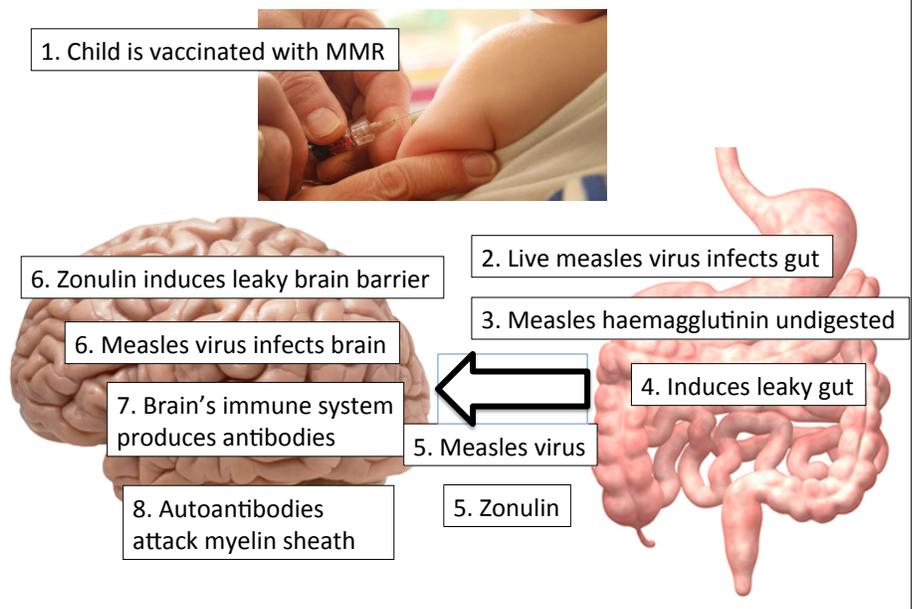
A J Wakefield, S H Murch, A Anthony, J Linnell, D M Casson, M Malik, M Berelowitz, A P Dillon, M A Thomson, P Harvey, A V Savill, S E Davies, J A Walker-Smith

“We have identified a chronic enterocolitis in children that may be related to neuropsychiatric dysfunction. In most cases, onset of symptoms was after measles, mumps, and rubella immunisation. Further investigations are needed to examine this syndrome and its possible relation to this vaccine.”

paediatric colonoscopies (four normal colonoscopies and three on children with ulcerative colitis), in which the physician reported normal appearances in the terminal ileum. Barium follow-through radiography was possible in some cases. Also under sedation, cerebral magnetic-resonance imaging (MRI), electroencephalography (EEG) including visual, brain stem auditory, and sensory evoked potentials (where compliance made these possible), and lumbar puncture were done.

Laboratory investigations  
Thyroid function, serum long-chain fatty acids, and cerebrospinal-fluid lactate were measured to exclude known causes of childhood neurodegenerative disease. Urinary

**A Scenario**



## Measles Virus and Haemagglutinin\*

- The measles virus synthesizes the protein haemagglutinin
  - Antibodies to haemagglutinin are essential following MMR vaccination to induce immunity
- Measles virus infects brain due to leaky barrier
- Haemagglutinin 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
- Autoantibodies to MBP along with excessive levels of antibodies to measles haemagglutinin are linked to autism\*\*

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

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

## Autism and Measles Haemagglutinin\*

- 125 autistic children and 92 control children
- 60% of the children with autism had high levels of antibodies to measles haemagglutinin 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 haemagglutinin or MBP
- There were no elevations in antibodies detected against any proteins in the mumps or rubella viruses

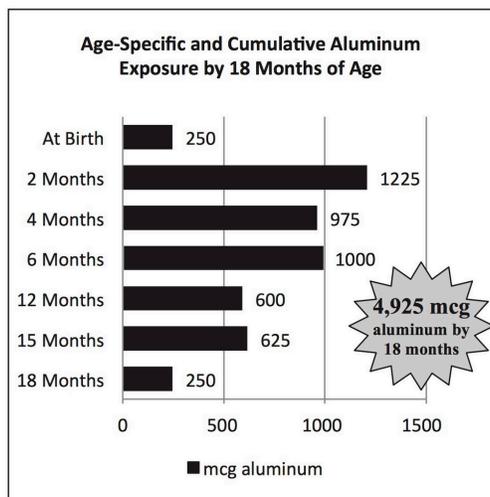
\*VK Singh et al., J Biomed Sci 2002;9(4):359-64.

## Recapitulation

- Glyphosate usage, rate of adverse vaccine reactions and autism have all increased dramatically in step over past two decades
- Dr. Andrew Wakefield identified in 1998 a link between chronic enterocolitis in children and autism following MMR vaccination
- Glyphosate has been found as a contaminant in many vaccines with highest amounts by far in MMR
- Glyphosate exposure to digestive enzymes causes impaired gluten metabolism and leaky gut syndrome, impairing BBB
- A proposed model for MMR-induced autism involves molecular mimicry between measles haemagglutinin and myelin basic protein in the brain
  - Causes autoimmune attack on the myelin sheath
  - Experiment on 125 autistic children showed high titers of antibodies to myelin basic protein in the brain linked to MMR measles antigen

## Aluminum in Vaccines

## Cumulative aluminum exposure from childhood vaccines\*



\*Source: The vaccine manufacturers' product inserts and the CDC's 2016 vaccination schedule

### “Subcutaneous injections of aluminum at vaccine adjuvant levels activate innate immune genes in mouse brain that are homologous with biomarkers of autism”\*

- Study on mice exposed to aluminum hydroxide
- Injected them with aluminum several times during early life, mimicking the US vaccination schedule
- Predominantly in brain in males:
  - Activated several immune stimulating cytokines such as CCL2, interferon gamma and TNF alpha
  - Activated NF kappa B signaling pathway and release of chemokines IL-4 and IL-6.
  - This induces a neuroinflammatory response that is characteristic of autism in humans
- Affected predominantly cerebral cortex in males and cerebellum in females

\*D Li et al. Journal of Inorganic Biochemistry 2017;177: 39-5.

**“Aluminum hydroxide *nanoparticles* show a stronger vaccine adjuvant activity than traditional aluminum hydroxide *microparticles*”\***

- Aluminum hydroxide is commonly used as an adjuvant in vaccines
- Aluminum hydroxide microparticles only weakly potentiate antibody response
- Special processing can produce tiny aluminum nanoparticles under 200 nanometers in diameter
- These are much more effective in stimulating an immune response and they induce a smaller inflammatory response at the injection site
- Plausible explanation is that they are easier for the macrophages to take up, along with the bound antigen

\*X Li et al. J Control Release. 2014; 173: 148-157.

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There is a big problem with this strategy because the macrophages clear the aluminum from the injection site, but they can carry it as stealth cargo into the brain.

\*X Li et al. J Control Release. 2014; 173: 148-157.

## **“Non-linear dose-response of aluminium hydroxide adjuvant particles: Selective low dose neurotoxicity”\***

Alhydrogel is the main adjuvant licensed for human and animal vaccines (aluminum hydroxide gel)

"We conclude that Alhydrogel1 injected at low dose in mouse muscle may selectively induce long-term Al cerebral accumulation and neurotoxic effects."

- Lowest dose contained exclusively small agglomerates the size of bacteria, favoring capture by macrophages
- Immune cells transport the aluminum to the blood, the spleen and the brain

*"The dose makes the poison" view is overly simplistic*

\*G Crépeaux et al. Toxicology 2017;375:48-57.

“Remarkably, the study found that the lowest dosage (200 mcg/Kg) was the most toxic! For many outcomes, the 400 and 800 mcg/Kg dosages had no observable adverse effects, but the 200 mcg/Kg dosage did.”

- J.B. Handley\*

\*November 27, 2017

<https://medium.com/@jbhandley/new-study-massive-aluminum-levels-in-autism-brains-is-this-the-smoking-gun-for-vaccines-54ae85ec2a9c>

## Biopersistence and brain translocation of aluminum adjuvants of vaccines

Romain Kroum Gherardi\*, Housam Eidi, Guillemette Crépeaux, François Jerome Authier and Josette Cadusseau

*“Thus alum and other poorly biodegradable materials taken up at the periphery by phagocytes circulate in the lymphatic and blood circulation and can enter the brain using a **Trojan horse mechanism** similar to that used by infectious particles.”*



Journal of Trace Elements in Medicine and  
Biology

Available online 26 November 2017

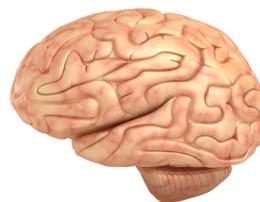
In Press, Accepted Manuscript — Note to users



### Aluminium in brain tissue in autism

Matthew Mold<sup>a</sup>, Dorcas Umar<sup>b</sup>, Andrew King<sup>c</sup>, Christopher Exley<sup>e</sup>

- Samples taken from temporal, frontal, parietal and occipital lobes and hippocampus of 5 autistic brains, postmortem
- Values of 17.10, 18.57 and 22.11 micrograms/gram dry weight: among highest ever seen
- **Hypothesis:** aluminium entry into the brain via immune cells circulating in the blood and lymph is expedited in Autism Spectrum Disorder due to a leaky brain barrier



## Potent 5 minute video: Prof. Chris Exley on aluminium in autism\*

### Some highlights:

- The amount of aluminium found in autism brains was extraordinarily high\*\*
  - They saw more aluminium than they'd seen in almost any other circumstance
  - Majority was intracellular aluminium within non-neuronal cell populations
- Aluminium in vaccines is almost certainly playing a role in autism
  - The results changed his mind on this topic
- Research was only possible because of philanthropy

\*[www.youtube.com/watch?v=SmkVv8pcVhc&feature=youtu.be](http://www.youtube.com/watch?v=SmkVv8pcVhc&feature=youtu.be)

\*\*M Mold et al. Journal of Trace Elements in Medicine and Biology 2018; 46: 76-82.



Journal of Trace Elements in Medicine and  
Biology

Volume 46, March 2018, Pages 76–82



### Aluminium in brain tissue in autism

Matthew Mold<sup>a</sup>, Dorcas Umar<sup>b</sup>, Andrew King<sup>c</sup>, Christopher Exley<sup>a</sup>

### How Aluminum Adjuvant Causes Autism

Aluminum Adjuvant Injection ► Al Adjuvant Particles Travel Into the Brain ► IL-6 Production & Microglial Activation in the Brain ► AUTISM

Source : Vaccine Papers

Carried into the brain on the backs of immune cells!

\*Source: vaccinepapers.org

## Glyphosate and Aluminum: Partners in Crime

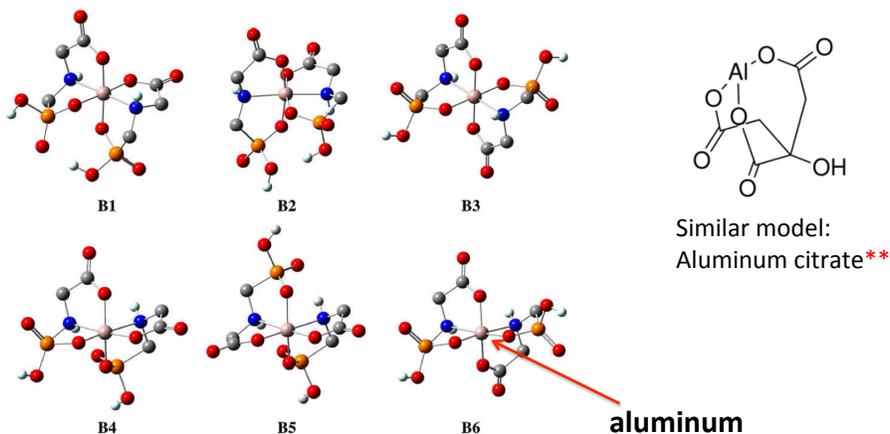


- Glyphosate induces pathogens like *C. Difficile* in gut, leading to *leaky gut syndrome*
  - *C. diff* produces *p-cresol* which promotes aluminum uptake by cells
  - p-Cresol is a known biomarker for autism
  - p-Cresol is an important factor in *kidney failure* which leads to aluminum retention in tissues → dementia
- Glyphosate *cages* aluminum to promote entry
- Glyphosate promotes *calcium uptake* by voltage-activated channels
  - Aluminum gains entry as calcium mimetic

MIT Computer Science and Artificial Intelligence Laboratory

## Aluminum Glyphosate\*

Six different ways two glyphosate molecules can chelate aluminum



\*M. Purgel et al., Journal of Inorganic Biochemistry 103 (2009) 1426–1438

\*\* P. Sianina et al., Clin. Chem. 32/3, 539-541, 1986.

## Recapitulation

- A child in the US is exposed to nearly 5000 micrograms of aluminum through vaccines in their first 18 months
- Mouse exposure to injected aluminum mimicking US vaccination schedule activated many signaling cascades leading to neuroinflammatory response characteristic of autism
- Aluminum nanoparticles designed to enhance vaccine response are picked up by immune cells and delivered to the brain
  - Low-dose aluminum hydroxide is more dangerous than higher doses because size resembles bacteria and fools immune cells
- A recent study by Chris Exley found high levels of aluminum in autistic brains postmortem
  - He believes that aluminum in vaccines is causal in autism
- Glyphosate works synergistically with aluminum in multiple ways

## Gardasil (HPV Vaccine)

*“In 2006, after only three to five years of clinical trials, the FDA approved for marketing the most expensive vaccine in the history of the world, **Gardasil**, which has been proclaimed as preventative for cancer of the cervix, a claim that was never proved and which has, to date, not prevented a single case of cervical cancer ... mainly because cancer of the cervix takes 20 to 50 years to develop.”*

-- Gary G. Kohls, a retired medical doctor  
in Duluth, Minnesota.



## New study: Vaccine Manufacturers and FDA Regulators Used Statistical Gimmicks to Hide Risks of HPV Vaccines

by Robert F. Kennedy, Jr.  
[Worldmercuryproject.org](http://Worldmercuryproject.org)

- Only 2 out of 16 HPV vaccine trials used inert saline placebo (all other “placebos” included aluminum adjuvant)
  - Aluminum adjuvant is the most likely cause of adverse reactions
- 2.3 per 100 women exposed to either the placebo or the vaccine developed a systemic autoimmune disorder
- HPV vaccine was "fast-tracked" by FDA
- Spanish post-marketing study found 10-fold higher incidence of adverse events with HPV compared to other vaccines.

<http://healthimpactnews.com/2017/study-gardasil-risks-hidden-by-vaccine-manufacturer-and-fda-regulators/>

### Are aluminum adjuvants plus Gardasil a uniquely damaging neuroinflammatory cocktail?\*

- Aluminum is routinely added to the "Placebo" which is completely unethical
- New kind of aluminum adjuvants in Gardasil have more "reactogenicity"
- Reformulated Gardasil-9 vaccine contains more than twice the amount of aluminum as its quadrivalent predecessor
- Vaccine-induced antibodies bind not only the target foreign antigen but also host proteins (due to molecular mimicry)

\*<http://info.cmsri.org/the-driven-researcher-blog/are-aluminum-adjuvants-plus-gardasil-a-uniquely-damaging-neuroinflammatory-cocktail>

### Are aluminum adjuvants plus Gardasil a uniquely damaging neuroinflammatory cocktail?\*

- Aluminum is routinely added to the "Placebo" which is completely unethical
- "the number of viral matches and their locations make the occurrence of side autoimmune cross-reactions in the human host following HPV16-based vaccination almost unavoidable."\*\*
- Vaccine-induced antibodies bind not only the target foreign antigen but also host proteins (due to molecular mimicry)

\*\* D Kanduc, J Exp Ther Oncol. 2009;8(1):65-76.

## REVIEW



## Human papilloma virus and lupus: the virus, the vaccine and the disease \*

*Yahel Segal<sup>a</sup>, Michele Calabrò<sup>b</sup>, Darja Kanduc<sup>c</sup>, and Yehuda Shoenfeld<sup>a,d</sup>*

- Identified several short peptide sequences in HPV proteins contained in the vaccines that match sequences in known human proteins linked to systemic lupus erythematosus
- Discuss multiple cases of adverse effects following HPV vaccine involving autoimmune diseases

\*Y Segal et al., Current Opinion in Rheumatology 2017;29(4):331-342.

## Gardasil and Mice \*

- Experiment on mice injected with Gardasil vaccine
- Mice exhibit behaviors indicative of depression
- Anti-HPV antibodies were found in the blood
  - Cross-reactivity induced antibodies targeting mouse brain protein ( $p < 0.002$ ) and phospholipid extracts ( $p < 0.001$ )
  - Microglial activation in the hippocampus

Conclude:

- Gardasil via its AI adjuvant and HPV antigens can trigger neuro-inflammation and autoimmune reactions leading to depression

\*R. Inbar et al., Immunol Res. 2016. Published online 16 July, 2016.

## Gardasil Side Effects

- 700 girls in Colombia are currently in the middle of a major class action lawsuit against Merck Sharp & Dohme for damages caused by the Gardasil vaccine\*
  - postural orthostatic tachycardia syndrome (POTS)
- The Japanese government suspended recommendation for Gardasil after reports of severe side effects and a social media blitz\*\*
  - Vaccination rates plummeted from 70% down to less than 1% within a short time period

\*[www.elheraldo.co/colombia/presuntas-victimas-de-la-vacuna-contra-el-vph-anuncian-demanda-farmaceutica-389159](http://www.elheraldo.co/colombia/presuntas-victimas-de-la-vacuna-contra-el-vph-anuncian-demanda-farmaceutica-389159)

\*\*<https://www.tokyotimes.com/side-effects-in-young-girls-take-gardasil-out-from-japanese-market/>

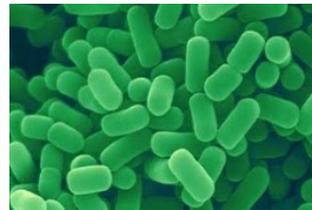
## Recapitulation

- Gardasil is a controversial new "anti-cancer" vaccine that was rushed to market and has never been shown to actually work
- Most Gardasil trials used the aluminum adjuvant in the "placebo"
  - Both treatment and control groups had high rates of autoimmune disease
  - HPV virus has several short peptide sequences that match lupus-related proteins
- Aluminum nanoparticles in Gardasil greatly increase risk to autoimmune attack on host tissues through molecular mimicry
- Gardasil induced depression-like behaviors in mice
- Gardasil is linked to postural orthostatic tachycardia syndrome
  - Current lawsuit ongoing in Columbia
- HPV vaccination rates plummeted after Japan suspended recommendations for Gardasil

## Solutions

### **Lactobacillus plantarum probiotics have neuro-protective potential in aluminum exposure\***

- Aluminum administered to mice for 8 weeks via drinking water
- Simultaneous *L. plantarum* administered over 14 weeks (beginning at the same time):
  - significantly improved memory deficits
  - reduced Al accumulation in brains
  - restored tight junction integrity
  - alleviated cerebral oxidative stress
  - decreased pro-inflammatory cytokines in brain



\*L Yu et al. Journal of Functional Foods 2017;30:142-150.

## “Urinary Excretion of Aluminium and Silicon in Secondary Progressive Multiple Sclerosis”\*

- Secondary progressive multiple sclerosis (SPMS) is an autoimmune condition of unknown aetiology
- 15 people with SPMS were treated for 12 weeks with 1.5 L *silicon-rich mineral water* every day
  - Excreted on average 135 nmol/mmol at baseline
  - Increased to 349 nmol/mmol during treatment ( $p = 0.000003$ )
- People with SPMS excrete high levels of aluminum in their urine
- Silicon-rich mineral waters facilitate the remove of aluminum from the body



\*K Jones et al. EBioMedicine. 2017 Nov 1. Epub ahead of print]

## Kerri Rivera's Protocol\*

- Her own son was diagnosed with autism following a vaccine in 2002
- 369 patients with autism lost the diagnosis following chlorine dioxide (CD) therapy\*\*
  - CD is added to water supply as a disinfectant
  - Reduces inflammation and pathogen overgrowth (e.g., Candida)
- Hyperbaric oxygen chamber; chelation therapy
- Stop vaccinating
- Diet:
  - Not just gluten-free, casein-free
  - Organic, ketogenic diet: coconut oil, olive oil
  - Very low sugar

\*Interview with Sarah Westall. November 26, 2017.

<https://www.youtube.com/watch?v=zmJiruNjiZ4&feature=youtu.be>

\*\*Now 385.

## Kerri Rivera, cont'd\*

- Jim Handle cured many autoimmune diseases with CD
- Autism, no fever – indicator of broken immune system
- CD therapy sometimes induces a fever – it's a good sign
- Trolls complain about toxicity, but Kerri has not seen any serious adverse reactions to CD
  - Many clinicians won't use CD because of fear of losing their license
- Autism is a good business model if you don't solve the problem
  - Cognitive dissonance shakes your core
- Facebook groups in many languages – testimonials

Her Book: Healing the Symptoms Known as Autism

Her web page: CDautism.com

\*Interview with Sarah Westall. November 26, 2017.  
<https://www.youtube.com/watch?v=zmJiruNjiZ4&feature=youtu.be>

## Summary

- The risk/benefit ratio for vaccines is not being honestly presented by media and governments
- Aluminum commonly used as an adjuvant in vaccines is neurotoxic and is especially dangerous as small nanoparticles binding to antigen
- Glyphosate is a contaminant in many vaccines, mostly live-virus vaccines and especially MMR
  - Glyphosate is working synergistically with the antigen to induce autoimmune attack on the myelin sheath in the brain
  - This can explain the link to autism
- Gardasil represents a new dangerous class of vaccines causing debilitating disease among teenagers
- Silicon-rich mineral water and probiotics can clear aluminum
- Organic ketogenic diet, hyperbaric oxygen therapy and chlorine dioxide can help heal the gut and even in rare cases reverse autism