

THE AUSTRALIAN FLUORIDATION NEWS

ARTIFICIAL FLUORIDATION
IS WATER POLLUTION



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US EPA taken to court for not banning water fluoridation

A coalition of environmental, medical and public health groups is taking the US Environmental Protection Agency (EPA) to court after the EPA denied their petition seeking to ban artificial water fluoridation due to its risks to health.

The Fluoride Action Network (FAN) is among the coalition suing the US EPA under the Toxic Substances Control Act (TSCA) in California.

The EPA was served with the petition in November 2016 that included more than 2,500 pages of scientific documentation detailing the risks of water fluoridation to human health.

FAN's Campaign Director Stuart Cooper states:¹

"As many independent scientists now recognize, fluoride is a neurotoxin. The question, therefore, is not if fluoride damages the brain, but at what dose. While EPA quibbles with the methodology of some of these studies, to dismiss and ignore these studies in their entirety for methodological imperfections is exceptionally cavalier, particularly given the consistency of the findings and the razor-thin margin between the doses causing harm in these studies and the doses that millions of Americans now receive."

The margin of safety between doses that humans receive and what can cause harm has long been an issue that fluoridation promoters have preferred to ignore. EPA's own Guidelines for Neurotoxicity Risk Assessment highlight the importance of margins of safety, but the EPA has ignored their own guidelines and tried to shield the "protected pollutant" from further investigation.

There are now over 100 animal studies and over 50 human studies proving fluoride's neurotoxicity, prompting the US government to fund new studies.

A recent study by William Hirzy PhD, a former senior scientist at the EPA, quantifies fluoride's potential to lower IQ in children.

Dr Hirzy says:¹

"The significance of this peer reviewed risk analysis is that it indicates there may be no actual safe level of exposure to fluoride. Groups of children with lower exposures to fluoride were compared with groups having higher exposures. Those with higher exposures performed more poorly on IQ tests than those with lower exposures."

*"One well-conducted Chinese study indicated that children exposed to 1.4 mg/day had their IQ lowered by 5 IQ points. Current average mean daily intakes among children in the United States are estimated by EPA to range from about 0.80 mg/day to 1.65 mg/day. **Fluoride may be similar to lead and mercury in having no threshold below which exposures may be considered safe.**"*

Banning water fluoridation in the USA would have flow on effects around the world to stop the discredited practice in the few remaining fluoridating countries like Australia, New Zealand and Canada. We cannot tolerate the disposal of toxic industrial fluorides for supposed dental benefit. We need to continue educating and informing others, as it is the critical mass of informed individuals that will finally shift society to a new level where fluoridation is unacceptable anywhere on the planet.

Sources:

1: <http://articles.mercola.com/sites/articles/archive/2017/06/13/ban-artificial-water-fluoridation.aspx>

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Fluoride is the Major Cause of Cataract Blindness

We reproduce the first few sections of this 30 page research paper first published on ResearchGate. The paper is extensively referenced, in fact half its length is references, and it lays out the background science that by implication raises questions about only treating cataracts (with surgery) once they've formed, rather than applying prevention by reducing the hazardous intake of fluorides.

by Geoff N Pain PhD

Abstract

Cataract blindness affects tens of millions of people, many of whom will never have access to lens replacement surgery. Fluoride from various sources including drinking water, tea, salt and drugs, enhances and stabilizes crystal growth of Hydroxyapatite within the eye. Fluoride is identified as the major risk for cataract and contributes to risk of other eye diseases including macular degeneration.

Keywords: Alkaline Phosphatase, Anticholinesterase agents, Aphakia, Asteroid Hyalosis, Asthma, Bio-accumulation, Blindness, Calcification, Cataract, Conjunctivitis, Diabetes, Fluoride, Fluorocarbon, Glaucoma, Hydroxyapatite, Macular Degeneration, Melatonin, Mortality, Optical Neuritis, Osteosarcoma, Pineal gland, Retina, Smoking, Uveitis

Introduction

In Australia it is estimated that 40% of visual impairment is due to Cataract, with over 1,460,400 sufferers aged 55 or more (31% of that age group) in 2004. In the same year 429,600 Australians aged 55 or more had undergone cataract surgery, which represents 9.1% of that age group [AIHW 2005]. The risk of falls and bone fractures, automobile accidents, premature death and the rates of depression and anxiety are elevated in those visually impaired by cataract [Smith 2016].

Cataract is the leading cause of visual impairment in Australian Aborigines - Landers 2013

Cataract is the leading cause of visual impairment in Australian Aborigines who suffer earlier onset of cataract in their generally shorter life spans [Landers 2013].

In underdeveloped countries, the incidence of new cases outstrips the surgical capacity, producing a worsening human and economic burden [Khanna 2012]. Surgical rate is a measure of wealth of nations and surgical failure is significant, often resulting in aphakia or eye loss.

There are various types of cataract [Gruebbel 2014], however the focus of this review is the highly mineralized forms, which have been known since 1843 [Jacob 1851] to be due to deposition of needle-like crystals of "phosphate of lime", now known as Hydroxyapatite. Calcified cataract is normally age-dependent but has been reported in young people [Chiang 2004].

Types of Cataract

There are three main types of Cataracts: nuclear; cortical; and subcapsular.

Nuclear cataracts form deep in the central zone of the lens and are usually associated with aging.

Cortical cataracts occur in the lens cortex, the part of the lens that surrounds the central nucleus and have white, wedge-like opacities that start in the periphery of the lens and work their way to the centre, resembling spokes.

Subcapsular cataract occurs at the back of the lens. People with diabetes or those taking high doses of steroid medications have a greater risk of developing subcapsular cataracts.

Synchrotron hard X-ray imaging of whole lenses has allowed identification of Calcium in both cortical and nuclear cataract crystals [Antunes 2006] while other groups using the technique focused on structural change of protein [Bahrami 2015].

Fluoride doped Hydroxyapatite in Cataract

A study of residents in two towns in Texas with different Fluoride levels in drinking water, Bartlett (8 ppm Fluoride) and Cameron (0.4 ppm Fluoride) found no statistically significant difference due to small sample size and different age distributions [Leone 1954]. The National Research Council remarked about this study *"The greater incidence in the high fluoride group (Bartlett) of a certain brittleness and blotching of fingernails, of hypertrophic changes in the spine and the pelvis, and of lenticular opacities of the eyes (Cataracts) requires further investigation."* [NRC 2006].

Correlation between the incidence of senile cataract and concentration of fluoride in drinking water was observed in a later studies [Kas'ianenko 1984, Shulka 1991].

Down Syndrome (Mongolism) was established to be linked to consumption of fluoride through statistical studies. It was found that 70% of Down's Syndrome babies were born with cataract [Rapaport 1957; 1957a; 1959].

Early studies of Fluoride content of Cataract found up to 77 ppm Fluoride [Waldbott 1961].

Humans... exhibited remarkably high levels of 20,000 to 50,000 ppm Fluoride in their removed cataracts - Shulka 1991

However humans in Balaghat who drank well water at 1.2-2.4 ppm or river water at 2.8 ppm Fluoride, exhibited remarkably high levels of 20,000 to 50,000 ppm Fluoride in their removed cataracts [Shulka 1991].

These levels exceed those that have been reported in the Pineal gland and indicate that high levels of Calcium, Phosphate and Fluoride are available to the lens during cataract formation.

Calcium has been shown to induce opacification and proteolysis in the lens of test animals [Truscott 1990]. Proteases including calpain I, calpain II, and calpastatin are present in the lens [Yoshida 1985].

Effects of industrial Fluoride exposure in humans include opacities of the lens capsule (cataract) and attenuation of the retinal arteries [Karczewicz 1989].

Fluoride doped Hydroxyapatite in cataracts and other tissues is less easily resorbed, leading to bio-accumulation and acceleration of Hydroxy-apatite Deposition Disease (HADD). Kidney failure with age, part of which is due to the nephrotoxicity of Fluoride [Pain 2017], produces an exponential retention of Fluoride and risk of cataract growth.

The European Commission adopted a position on Hydroxyapatite in 2016 stating: "The available information indicates that nano-hydroxyapatite in needle-shaped form is of concern in relation to potential toxicity. Therefore, needle-shaped nano-hydroxyapatite should not be used in cosmetic products. It is of note that Material 2 of the submission also includes nanofibres of needle-like structure." [EC 2016].

Recently in Australia a famous manufacturer of infant formula was forced to withdraw product from the market due to discovery of nanocrystals of Fluoride doped Hydroxyapatite in its product [Schoepf 2016, Schoepf 2017, Han 2017]. Energy dispersive x-ray analysis of Hydroxyapatite for Fluoride content can be difficult due to other elements exhibiting peaks in spectra near 7 keV.

Global Incidence of Cataract correlates Fluoride in Drinking Water

Comparison of global Fluoride groundwater contamination with severity of cataract prevalence demonstrates good correlation where data is available.

In addition to the groundwater, many nations are exposed to additional Fluoride hazard from use of rock salt containing up to 250 ppm Fluoride and high tea consumption.

Much higher incidence of cataracts is found in most tea-consuming countries such as India, Pakistan, Bangladesh, Myanmar, People's Republic of China, and other Southeast Asian countries.

Cataract is the major cause of blindness in Africa [Steinkuller 1983, Rolfe 1997, WHO 2010].

More detailed mapping of Fluoride groundwater contamination shows that the East Africa Rift suffers the effects of a long history of volcanic venting rich in Hydrogen Fluoride. It is not surprising therefore that the Fred Hollows Foundation has chosen to perform its cataract surgery programme in Eritrea, Ethiopia, Kenya, Burundi and Rwanda.

The remaining middle sections of Dr Pain's research paper cover areas such as fluoride damage to the cornea and retina, as well as hydroxyapatite's links to age-related macular degeneration (AMD) and Alzheimer's disease. Fluoride is also linked to diabetes and metabolic disorders.

Also covered are risk factors for cataract and related disease involving multiple fluoride sources, including smoking and fluorinated organic compounds including drugs and



propellants. Cataract is also associated with cancer and with increased risk of death.

Then follows a list of mechanisms of Fluoride induced Cataract, elaborating further on two of them: "Fluoride Disrupts Phosphate Pathways" and "Fluoride causes Oxidative Stress leading to Cataracts", and finishing with a discussion on the "Attempted amelioration of Cataract".

The Conclusion from the paper is reproduced below.

Conclusion

The only safe place for Hydroxyapatite storage is in bone. When deposited in the soft tissues, it resembles asbestos, causing numerous diseases including those leading to blindness and premature death.

Fluoride doping exacerbates this calcification and every effort must be made to reduce Fluoride exposure in the diet. The deliberate addition of Fluoride to milk or salt is reckless.

Elimination of deliberate water Fluoridation programmes and defluoridation of contaminated groundwater will greatly reduce the global burden of preventable eye disease.

Fluoride contribution to incidence of age-related macular degeneration, diabetic retinopathy, glaucoma and a proportion of "undetermined cause" global blindness should be recognized in epidemiology studies and future plans to remedy the suffering.

The World Health Organization should update its warnings about Fluoride as a chemical of concern with added emphasis on loss of vision so that the few remaining countries that have not banned water Fluoridation will have extra incentive to act [WHO 2010;2014].

To read the research paper in full, please see: <https://www.researchgate.net/publication/319164619>

Recent documentaries on forced, harmful processes similar to Fluoridation

Artificial water fluoridation is a medical intervention as it is purported to have a beneficial effect on teeth. By mass-medicating the population however, our medical establishment defy basic medical ethics (and the Nuremberg Code) by ignoring “informed consent”. As well as the benefits, we need to know the risks to be fully informed. Only then can we choose freely, although of course, our choice also needs to be respected.

This is also the case with product labelling, we need to be able to see what is in a product to be able to choose freely. If it contains genetically modified organisms or toxic chemicals, we need to know.

The 2015 documentary “*Stink!*” shows how “fragrances” are a loophole in labelling regulations, as a single word can be used to hide 60 or even 100 chemicals, some of which may be banned carcinogens, but because the products are manufactured overseas, the company is not compelled or may not even know (or care?) what is in their products.

The movie also illustrates that when we become aware of injustice, (especially when we’re personally affected by it) we roll up our sleeves and get involved, helping to put the information out there and make changes so the rest of humanity doesn’t have to suffer unnecessarily. An educational, heartfelt and amusing film. See stinkmovie.com.

The following two new documentary/interview series are powerful and offer multiple perspectives on the contentious issue of vaccination, which in the last few years is increasingly being “mandated” or forced on individuals by the state.

“*Vaccines Revealed*” was released online in ten parts in January 2017. From the producer of the extraordinary film “*Bought*” (2014), it features interviews with many active in the vaccination conversation, including an incredible interview with Robert F Kennedy Jnr. See vaccinesrevealed.com.

The series included a short 23 minute version of the film “*Vaxxed*” (2016), in part an expose of CDC corruption. It’s disturbing that by 2032 the rate of autism is projected to increase to “one in two children, 80% of the boys”. That is, by 2032, every second child born will be autistic, if the current pharma-vaccine-toxins regimen continues unquestioned.

“*The Truth About Vaccines*” followed in April from the producers of “*The Truth About Cancer*”. Designed to bring balance to the debate and allow for people to make informed

choices on the subject, this seven part docu-series is making further inroads into allowing people to discuss vaccination. Episode 1 is free on YouTube. See thetruthaboutvaccines.com

After that came the ten part “*GMOs Revealed*” series, released online for free for ten days, by the makers of *Vaccines Revealed*. **It is eye-opening, important information that included a dentist discussing fluoridation and the links to Monsanto, amongst other topics.** See gmosrevealed.com

The Institute for Responsible Technology is creating a follow up GMO film to the successful “*Genetic Roulette*” (2012). Directed by Jeffrey Smith and Amy Hart, “*Secret Ingredients*” will be released in 2017. See www.responsibletechnology.org and www.secretingredientsmovie.com

Fluorides are linked to Alzheimer’s as they help aluminium cross the blood brain barrier. The online series “*Awakening from Alzheimer’s*” presents great news about how to reverse Alzheimer’s, though it also makes it clear that prevention is the better approach. See www.awakeningfromalzheimers.com

An updated version of “*Take Back Your Power*” (2017) is being released which explores and educates on the so-called “smart” utility meters (and electromagnetic fields).

Now known as “*InPower*”, the film makers have also announced a new follow-up series on lawful approaches to various scourges of our time. They have been at work with activists in the last few years and the new series will apply these *lawful* methods to tackle a range of areas: keeping smart meters off your property or removing them if already installed, the perils of 5G, GMOs, vaccinations, CSG and *forced water fluoridation*. The first episode is free online with the option to donate and support the continuing outflow of this vital and practical information. See inpowermovement.com

All these series and films help us to become better informed on these issues, how to approach them, and what we can do. For those with the ears to hear and the eyes to see. The time is now.

Brief News

Gladstone, Mackay & Hinchinbrook Fluoride Free

QLD Update: Gladstone Council voted on the 19th July 2016 to end fluoridation and it stopped nine days later. Mackay Council voted on the 28th Sept 2016 to stop fluoridating, as did Hinchinbrook Shire Council at the end of March 2017.

Quotes:

Ralph Waldo Emerson (1803–1882):

“The faith that stands on authority, is not faith.”

Leo Tolstoy (1828-1910):

“Freedom cannot be achieved by looking for freedom but in search for truth.”

Prof David R Hill (University of Calgary, Canada):

“Those who believe fluoride works are entitled to their opinion. That is their right. But, they have NO right to force

others to drink or use fluoride against their will, especially in the face of so much credible evidence of harms... The only people who benefit from the widespread use of fluoride for ‘dental’ purposes are the big industries that generate fluoride as a waste product.”

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