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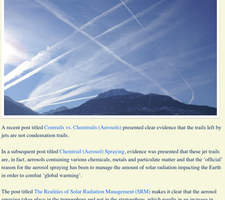
What Chemtrails Are Doing To Your Brain

by Tim B



A recent post titled Contrails vs. Chemtrails (Aerosols) presented clear evidence that the trails left by jets are not condensation trails.

In a subsequent post titled Chemtrail (Aerosol) Spraying, evidence was presented that these jet trails are, in fact, aerosols containing various chemicals, metals and particulate matter and that the 'official' reason for the aerosol spraying has been to manage the amount of solar radiation impacting the Earth in order to combat 'global warming'.

The post titled The Realities of Solar Radiation Management (SRM) makes it clear that the aerosol spraying takes place in the troposphere and not in the stratosphere, which results in an increase in global warming instead of the alleged decrease in warming.

"Current operations directly impact and affect the lower atmosphere (troposphere) in which we all live and breathe; this assertion is now supported directly by field measurements. The particulate counts are real and observable, and they have been made. The measurements referred to are not worthy solely of "climate control" consideration; they are, however, of immediate impact and detriment to your health and well-being. Gravity works, and the materials do ultimately reach ground level and they are measurable in direct correspondence to activity levels. You may wish to think a little closer to home, in some respects, and become active on that front."[1]

Let's take a look at one particular substance that reaches ground level and what affect that substance has on humans, animal life and plant life living on the Earth.

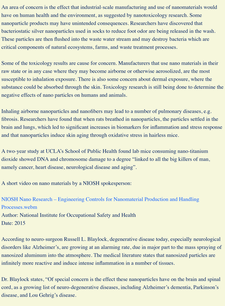
One substance that has been detected from the fallout deposited by chemtrails (aerosols) is nano-aluminum.

For those who are unfamiliar with nano technology:

Nanotechnology is the engineering of functional systems at the molecular scale.

One nanometer (nm) is one billionth, or 10^{-9}, of a meter. By comparison, typical carbon-carbon bond lengths, or the spacing between these atoms in a molecule, are in the range 0.12-0.15 nm, and a DNA double-helix has a diameter around 2 nm. On the other hand, the smallest cellular life-forms, the bacteria of the genus Mycoplasma, are around 200 nm in length.

To put that scale in another context, the comparative size of a nanometer to a meter is the same as that of a marble to the size of the earth.



Materials reduced to the nanoscale, can show different properties compared to what they exhibit on a macroscale, enabling unique applications. For instance, opaque substances can become transparent (copper); **stable materials can turn combustible (aluminum)**; insoluble materials may become soluble (gold).

An area of concern is the effect that industrial-scale manufacturing and use of nanomaterials would have on human health and the environment, as suggested by nanotoxicology research. Some nanoparticle products may have unintended consequences. Researchers have discovered that bacteriostatic silver nanoparticles used in socks to reduce foot odor are being released in the wash. These particles are then flushed into the waste water stream and may destroy bacteria which are critical components of natural ecosystems, farms, and waste treatment processes.

Some of the toxicology results are cause for concern. Manufacturers that use nano materials in their raw state or in any case where they may become airborne or otherwise aerosolized, are the most susceptible to inhalation exposure. There is also some concern about dermal exposure, where the substance could be absorbed through the skin. Toxicology research is still being done to determine the negative effects of nano particles on humans and animals.

Inhaling airborne nanoparticles and nanofibers may lead to a number of pulmonary diseases, e.g. fibrosis. Researchers have found that when rats breathed in nanoparticles, the particles settled in the brain and lungs, which led to significant increases in biomarkers for inflammation and stress response and that nanoparticles induce skin aging through oxidative stress in hairless mice.

A two-year study at UCLA's School of Public Health found lab mice consuming nano-titanium dioxide showed DNA and chromosome damage to a degree "linked to all the big killers of man, namely cancer, heart disease, neurological disease and aging".

A short video on nano materials by a NIOSH spokesperson:

NIOSH Nano Research – Engineering Controls for Nanomaterial Production and Handling Processes.webm
Author: National Institute for Occupational Safety and Health
Date: 2015

According to neuro-surgeon Russell L. Blaylock, degenerative disease today, especially neurological disorders like Alzheimer's, are growing at an alarming rate, due in major part to the mass spraying of nanosized aluminum into the atmosphere. The medical literature states that nanosized particles are infinitely more reactive and induce more intense inflammation in a number of tissues.

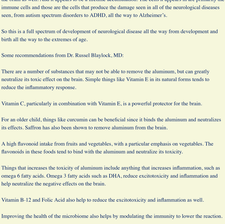
Dr. Blaylock states, "Of special concern is the effect these nanoparticles have on the brain and spinal cord, in creating a great list of neuro-degenerative diseases, including Alzheimer's dementia, Parkinson's disease, and Lou Gehrig's disease.

Blaylock explains further that his research on the effect of aerosolized chemicals in the nose revealed that aluminum nano particles can easily penetrate the brain, traveling through the blood and along the olfactory nerves in the nose. Passing through the olfactory neural tracts, aluminum particles easily penetrate the area of the brain that has to do with memory and emotions, which is the area most affected by Alzheimer's disease.

If aluminum is aerosolized, it travels very easily along this neural tract to the brain, so it bypasses the blood brain barrier and goes directly into the brain and accumulates. If animals breathe in this aerosolized aluminum it produces lesions and damage in that area of the brain and the animal will begin to show changes in memory and learning.

When you look at people who have Alzheimer's disease, the area of highest concentration of aluminum is at that same entry point.

The worst form of aluminum for accumulation in the brain is nanosized aluminum. It easily penetrates skin and other areas of the body that metals cannot normally pass through. The nanosized form of aluminum in the brain is infinitely more toxic. One of the toxic reactions to aluminum is intense inflammation and the activation of immune cells in the brain called microglia. Aluminum is a very potent activator of these immune cells and that triggers the release of a powerful substance called glutamate which is an excitotoxin, which causes cells to die from an excitatory mechanism. That process is called immuno-excitotoxicity.



There are five major Al forms absorbed by human body: the free solvated trivalent cation ($Al^{3+}_{(aq)}$); ionic Al complexes weight, neutral, soluble complexes (LMW-$AP_{(aq)}$); high molecular weight, neutral, soluble complexes (HMW-$AP_{(aq)}$); low molecular weight, charged, soluble complexes (LMW-$Al(L)_y^{x-}{}_{(aq)}$); **nano- and micro-particulates ($Al(L)_{n(s)}$)**. They are transported across cell membranes or cell epi-/endothelia through five major routes: (1) paracellular; (2) transcellular; (3) active transport; (4) channels; (5) adsorptive or receptor mediated endocytosis.

The aluminum is nanosized so that it will stay in the upper atmosphere longer, supposedly as a reflective metal. The problem with that, even from a climatological description, if we make it into cirrus-like clouds, rather than reflecting heat upward out of the troposphere, it reflects the heat down, causing more global warming.

"The aluminum particles also enter the body through the respiratory system, where they have been shown to cause tremendous inflammation in the lungs, further aggravating conditions like asthma and pulmonary disease. Due to their small size, the aluminum particles can even enter the gastrointestinal tract and can disperse into many other organs and tissues in the body, including the spinal cord."[2]

With tremendous amounts of nanosized aluminum being sprayed all over the world, along with the ability of these metallic particles to easily pass through air filtering systems, many millions of people can be breathing in this toxic substance 24 hours a day, depositing high quantities in the brain, with devastating consequences. It just so happens that there is currently a huge increase in Alzheimer's disease and inflammatory neurological disorders.

The evidence now from the examination by biologists and scientists around the world is that the aluminum level in the lakes and streams and trees is increasing extremely rapidly. Scientists have incredibly high levels of aluminum in the ground water and the vegetation. If this is happening we're looking at a medical catastrophe that's worldwide.

Breathing this toxic substance doesn't only affect the brain. When breathed into the lungs it can also cause asthma and chronic lung disease even if precipitously get worse, because aluminum, when enters the epithelium of the lungs, is going to produce intense inflammatory reactions. And that's going to produce a worsening of an individual's pulmonary condition. Also, the aluminum is absorbed into the bloodstream and then can be deposited in the heart and people with heart failure can get worse and people with hypertension can get worse. Numerous diseases could be precipitated and worsened by such an insane policy.

A developing brain, as in the fetus or in a child, is much more susceptible to the negative effects from this nano aluminum. A pregnant woman, absorbing this toxic substance into the blood, could easily pass this to the fetus through the placenta. The aluminum in the brain of the fetus is going to cause its brain to develop abnormally and to produce chronic inflammation in the brain. With autism the brain is found to be chronically inflamed for decades.

Full development of the brain in children doesn't occur until around age 25, so exposure to the nano aluminum for that long a time period is bound to have extremely negative consequences to the brain.

When you add to this the negative effects of even mercury and aluminum adjuvants used in vaccines, the final result is a horrific assault on the child's brain, which may account for the tremendous increase in autism over the last 15 or so years. To add to the toxic load placed on the developing child, the vaccine manufacturers have switched the form of aluminum they use to nano aluminum, which is far more toxic in its effects than the original form used. This dramatically increases the inflammatory and excitatory effects in the body systemically, but it also dramatically increases the accumulation in the brain as well. And it appears to be a lifetime accumulation. The cells it appears are primarily the immune cells and those are the cells that produce the damage seen in all of the neurological diseases seen, from autism spectrum disorders to ADHD, all the way to Alzheimer's.

So this is a full spectrum of development of neurological disease all the way from development and birth all the way to the extremes of age.

Some recommendations from Dr. Russel Blaylock, MD:

There are a number of substances that may not be able to remove the aluminum, but can greatly neutralize its toxic effect on the brain. Simple things like Vitamin E in its natural forms tends to reduce the inflammatory response.

Vitamin C, particularly in combination with Vitamin E, is a powerful protector for the brain.

For an older child, things like curcumin can be beneficial since it binds the aluminum and neutralizes its effects. Saffron has also been shown to remove aluminum from the brain.

A high flavonoid intake from fruits and vegetables, with a particular emphasis on vegetables. The flavonoids in these foods tend to bind with the aluminum and neutralize its toxicity.

Things that increase the toxicity of aluminum include anything that increases inflammation, such as omega-6 fatty acids. Omega-3 fatty acids such as DHA, reduce excitotoxicity and inflammation and help neutralize the negative effects on the brain.

Vitamin B-12 and Folic Acid also help to reduce the excitotoxicity and inflammation as well.

Improving the health of the microbiome also helps by modulating the immunity to lower the reaction.

Vitamin D3 is very important for reducing the effect of the aluminum and for anything that activates immune cells to increase inflammation. Many autistic children are deficient in Vitamin D, so taking Vitamin D3 during pregnancy and supplementing the child and adult all through life will help tremendously to decrease the negative effects of the aluminum.

An interview with Dr Blaylock:

Cites:

(1) A Clash of Evidence: The Realities of *Solar Radiation Management* (SRM)

(2) Nanosized aluminum being sprayed in the atmosphere, causing degenerative disease, says neurosurgeon

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