


# Age of Autism

Daily Web Newspaper of the Autism Epidemic

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Managing Editor:  
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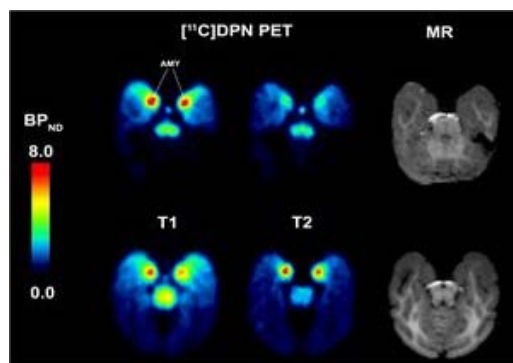
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July 15, 2010

## New Study Shows Vaccines Cause Brain Changes Found in Autism



By Dan Olmsted and Mark Blaxill

Abnormal brain growth and function are features of autism, an increasingly common developmental disorder that now affects 1 in 60 boys in the US. Now researchers from the University of Pittsburgh and Thoughtful House

Center for Children in Austin, Texas, have found remarkably similar brain changes to those seen in autism in infant monkeys receiving the vaccine schedule used in the 1990's that contained the mercury-based preservative thimerosal.

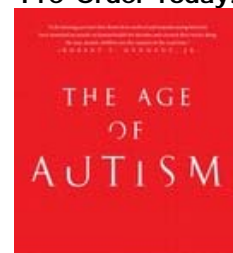
The group's findings were published yesterday in the journal *Acta Neurobiologiae Experimentalis*. They used scanning techniques that assessed both brain growth and brain function in the same animals over time. The research team was able to see differences in the way the brains of vaccinated and unvaccinated animals developed. Scans were performed before and after the administration of primary MMR and DTaP/Hib boosters that were given at the human equivalent of 12 months of age.

Throughout the study period, vaccinated animals showed an increase in total brain volume – a feature of the brain in many young children with autism - when compared with unvaccinated animals. However, a specific part of the brain associated with emotional responses that is thought to be important in autism, the amygdala, did not show abnormalities until after the 12-month vaccines had been given. In addition, after the 12-month vaccines only, the functional brain scans showed significant differences between vaccinated and unvaccinated groups. These functional scans looked at the activity of receptors for morphine-like compounds (opioids) that may play a role in the brain of children affected by autism. Vaccine administration was associated with an increase in opioid binding activity in the amygdala compared with a decrease in the unvaccinated group.

The results indicate that multiple vaccine exposures during the previous 3-4 months may have had a significant impact on brain growth and development in ways that are consistent with the published data on autism. For the amygdala, the novel findings of abnormal growth and function appear to be a function of more recent vaccine exposures - the 12-month primary MMR vaccine and the

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DTaP and Hib boosters.

In an accompanying editorial Dr. Kris Turlejski, the Editor-in-Chief, described the findings as "alarming", "support[ing] the possibility that there is a link between early immunization and the etiology of autism."


In the same primate model, the research team has already identified delayed acquisition of vital brainstem reflexes in infants exposed to the thimerosal-containing hepatitis B vaccine on the first day of life, compared with unvaccinated animals. A larger, second phase study is currently underway to see if these findings can be replicated.

Dr. Andrew Wakefield, who is not a listed author but whose support in the design of the study is acknowledged, said "I hope the model will not only provide important insights into the origins of autism, but also ways of safely testing possible new autism treatments and vaccines."

References:

Laura Hewitson, Brian J. Lopresti, Carol Stott, N. Scott Mason, and Jaime Tomko. Influence of pediatric vaccines on amygdala growth and opioid ligand binding in rhesus macaque infants: A pilot study. *Acta Neurobiol Exp* 2010. 70: 147–164

Kris Turlejski. Focus on Autism Editorial Comment *Acta Neurobiol Exp* 2010. 70: 117–118

 Dan Olmsted is Editor of Age of Autism. Mark Blaxill is Editor-At-Large. Their book *The Age of Autism; Mercury, Medicine and a Manmade Epidemic* is available for pre-order [HERE](#).

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As a parent of an autistic son, I am sharing this with other parents. Even with pretty obvious connection (like watching my son's development halt after receiving the MMR) the vast amount of mainstream magazines I've seen over the past year touting that vaccines don't cause any autism, I was happy to read this. I do not vaccinate my children any more after becoming more educated on this issue.

Posted by: CJ Martes | [July 29, 2010 at 05:21 PM](#)



John Fryer chemist - with respect to pilot studies of this type:

These pilot studies MUST BE DONE. Furthermore, the public should demand that human studies comparing fully-vaccinated versus never vaccinated be done. Such studies can be ethically-done with full compliance with Nuremberg Code and Articles of Helinski and rigorous Informed Consent. I believe that there will be sufficient numbers of volunteers.

Independent of their known neurotoxicity, aluminum salts and organomercurials, along with a cocktail of foreign proteins, and detergents, administered parenterally and serially, from cradle to grave, might not be conducive to health. We need to compare fully vaccinated with completely unvaccinated. NO, it is not unethical to do these studies. IT IS UNETHICAL NOT TO DO THESE STUDIES.

Posted by: patrons99 | [July 26, 2010 at 06:25 PM](#)



John Fryer Chemist -

IMHO, gorski (orac) and ofit are sociopaths, moral entrepreneurs, who are capitalizing on human misery and suffering. They have made faustian bargains. Their credibility is ZERO. They deserve our censure. They are absolutely pathetic, totally disgusting. Obviously, the Oath of Hippocrates means nothing to them.

Posted by: patrons99 | [July 26, 2010 at 03:03 PM](#)



orac having a field day destroying this study.

I seem to remember this guy shouting from the roof tops that mercury was out of our vaccines.

The truth we see now, was yes it was out but only in the rhetoric.

In France where only two vaccines ever had mercury we saw the H1N1 vaccine with as much mercury as ever. And this was 2010.

An intelligent 95 per cent REFUSED to submit to organomercury vaccination.

In Australia this year, the flu vaccine has been withdrawn from a section of the population due to deaths occurring within hours after these vaccines to healthy people.

I haven't found out if the vaccine killing and maiming were organomercury but in this world of LIES, OBFUSCATION and

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DECEIT there is EVERY reason to believe that in the absence of information that we can assume the vaccines DO contain mercury.

If they don't then this spells BIG trouble for the whole of our vaccines.

I prefer to believe in simple TRUTHS such as organomercury vaccines can be shown to STILL be toxic even when the vaccine is diluted 100 fold.

In our current world where neat vaccines EXIST which can be shown to be non toxic the only logical conclusion is that Government, Regulators and Vaccine Makers are not playing Russian Roulette with our child's lives but are guilty of ATTEMPTED MURDER.

To date more than a MILLION healthy children have died after a vaccine.

Orac with his expertise should be held responsible for his part in persuading people to be injected with TOXIC chemicals knowing NON TOXIC examples exist.

For me orac is a part of a SERIAL KILLER mentality.

In a normal world one murder elicits police action but in the world of a million deaths it seems ONLY those that die after mercury vaccines have problems. And of course the SURVIVING family and especially MOM. Thanks Professor CUR MSBP Meadow and your ROTTEN legacy to womankind and children.

orac having a field day destroying this study.

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Posted by: John Fryer chemist | [July 26, 2010 at 12:47 PM](#)



Patrons99 - Thanks for taking a look at my proposal. The reason I got interested in fMRI is that it is less invasive than PET, and it appears to reveal problems (metabolic problems) even when there is no visible pathology.

I wish I could work in research, but have not been able to find a group (in the Boston area) that shares my interests. Inflammation, from aluminum, mercury, lead, ischemia etc. may show up.

The inferior colliculi have higher blood flow and metabolism than any other area of the brain. I have some references on my website. More later. I am on vacation in Europe with my husband - he is dragging me off to the breakfast buffet right now. . .

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Posted by: [Eileen Nicole Simon](#) | [July 21, 2010 at 01:20 AM](#)



@ Eileen Nicole Simon - Wow! Your research proposal is most impressive. fMRI would appear to have tremendous potential applicability, at least, at first impression, from someone (myself) who is not familiar with the recent literature in this area.

Just a little brain-storming. I wonder what effect injections of aluminum salts and aluminum adjuvants have on proton relaxation times. Might the signal perturbation be strong enough to be image-able? Would there be enough contrast resolution? If the aluminum is inducing stasis of blood,

emboli, thrombosis, microvascular ischemia, and infarction, can that be imaged and localized with MRI? How well does MRI do at localizing inflammation?

In your proposal, you state:

"The special brightness of the inferior colliculi may be because they have the highest blood flow in the brain even in the absence of stimulation."

Is their special brightness due to higher flow (perfusion) or higher metabolic activity? Real question...I'm not being rhetorical. I'm being naive.

Why not correlate fMRI brain images with an FDG-PET study looking at tissue viability? If the colliculi are "cold" on an FDG-PET study of the vaccinated group at T2, and "cold" on the co-registered fMRI slices, might that indicate that the colliculi in the vaccinated group at T2, are either ischemic or infarcted and non-viable?

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Posted by: patrons99 | [July 20, 2010 at 02:04 AM](#)



Here's the link to the taped interview of Dr Chris Shaw (a neurobiologist at the University of British Columbia) by Dr Deagle that I referred to. I provided the link in another thread, which I've provided here to put it into context. It's not just the mercury. Aluminum adjuvants are neurotoxins! Eliminating the mercury will not make vaccines "safe". It will only make them somewhat less toxic.

<http://www.ageofautism.com/2010/07/safeminds-.html?cid=6a00d8357f3f2969e20133f2680f00970b#comment-6a00d8357f3f2969e20133f2680f00970b>

[http://www.falseflagflu.com/DR\\_CHRIS\\_SHAW,PhD-VACCINE\\_DAMAGE\\_CONFIRMED.html](http://www.falseflagflu.com/DR_CHRIS_SHAW,PhD-VACCINE_DAMAGE_CONFIRMED.html)

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Posted by: patrons99 | [July 20, 2010 at 12:28 AM](#)



patrons99 - Thank you for your comments, and the links you provided.

The Nuremberg Code directive #3 in particular mandates that research with animals should precede experimentation with human subjects. Thus more research like that of Hewitson et al. needs to be done, and should have been done before mandating the kind of vaccine schedule children are subjected to now.

What are your thoughts on fMRI? I submitted a proposal for the recent IACC meeting and posted it at

<http://www.conradsimon.org/Proposal2jul2010.pdf>

I posted it also at

<http://www.inferiorcolliculus.org/presentation.html>

for a course in cognitive neuroscience I took five years ago.

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Posted by: [Eileen Nicole Simon](#) | [July 20, 2010 at 12:20 AM](#)



Thanks again, Benedetta - Seriously, I'd like to join a group such as this and dedicate the rest of my life, what remains of it, to looking into these crucial questions, which have direct impact on human health, worldwide. God sometimes

works in mysterious ways. Yes, I'm eclectic. This may be an asset. If anyone out there can help me connect with such a research group, I'd be grateful. It would be pretty easy to match my current salary.

I tried to further the dialog in various blogs over the last year or so, with varying degrees of success. As examples, google the words "patrons99 and aluminum" or "patrons99 and germs". See if you get any hits.

I highly recommend that you listen to the taped interviews of Dr Chris Shaw by Dr Deagle in the links I provided in my last comment. They literally brought tears to my eyes. EVERYTHING came into clearer focus! Let me know what you think.

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Posted by: patrons99 | [July 19, 2010 at 11:43 PM](#)



What is the old quote the hero always says in crime investigated stories.

"I do not believe in coincidence" or "There is no such thing as coincidence"

How far does the rabbit hole go.

But I was talking about with your knowledge of so many things, and the way you think; whether you stop your day job, and really help with the research, or just keep bringing so much to these blogs - well that is pretty good thing o.

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Posted by: [Benedetta](#) | [July 19, 2010 at 10:35 PM](#)



Thanks Benedetta - I don't have the details on what exactly went on at the Columbia University PET facility. I am WARY of the timing. Just coincidental? Hmmm.

During the two years in the early 1990's that I was Associate Medical Director for DuPont Pharma's radiopharmaceutical division, my primary responsibility was SAFETY. Clinical input on ongoing clinical research studies in support of NDAs and postmarketing studies, clinical interface with marketing and sales, were also responsibilities.

The buck always stops with SAFETY and ETHICS. That is as it should be for anyone with an MD after their name who took the Oath of Hippocrates, which is effectively a promise to do no harm.

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Posted by: patrons99 | [July 19, 2010 at 07:24 PM](#)



Wow! Patron 99

You have a lot to offer.

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Posted by: [Benedetta](#) | [July 19, 2010 at 05:54 PM](#)



Just a word of caution to these investigators. It may just be serendipity, but for whatever reason, the FDA may start looking VERY closely at functional imaging with radiopharmaceuticals to ensure regulatory compliance. Look

at what's going on at Columbia University's PET facility. Don't get sloppy. Don't cut ANY corners. Not to insinuate you ever would. Make sure that your informed consents and ethical principles for clinical research studies (e.g. Declaration of Helinski and Nuremberg Code) are unassailable.

<http://www.nytimes.com/2010/07/17/health/17columbia.htm>

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<http://ohsr.od.nih.gov/guidelines/nuremberg.html>

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Posted by: patrons99 | [July 19, 2010 at 02:07 PM](#)



I have a question. If I could find my old brain scans from when they were scanning me for seizure activity, could it be used to compare to these images? If so, I am so making a sign and putting it up on some sites!!

Get to bust out those Graphic Design Tools if so! SCORE!

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Posted by: Theodora Trudorn | [July 19, 2010 at 10:50 AM](#)



@ Eileen Simon - Very inciteful comment. I haven't forgotten my nuclear medicine, radiopharmaceutical, and analytical chemistry background. It's hard to break an old dog (I just turned 60) of old tricks.

How do we know that the diminished opioid binding in the vaccinated group was not due, at least in part, to diminished perfusion or diminished viability?

Before pharma's surrogates and shills (e.g., FDA) do something to prevent it, we need more studies of this type looking at perfusion and viability using either PET, SPECT, magnetic resonance imaging, and magnetic resonance spectroscopy. We also need histopathologic correlation with post mortem specimens from brain, heart, and gut, including atomic absorption/emission and/or field desorption mass spectrometry. BTW - I could easily be persuaded to give up my daytime job (Internal Medicine) and get involved in studies such as this VERY exciting pilot study.

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Posted by: patrons99 | [July 19, 2010 at 10:02 AM](#)



Thank you for highlighting this research. I was able to download the article, and have a question about figure 2, p 153. It looks to me as though the inferior colliculi (midbrain auditory nuclei) in the control animals maintain the same DPN binding at T2, whereas binding in the exposed animals is diminished at T2. I will contact the lead author about this and the following:

The inferior colliculi, though not volumes of interest (VOI) in this study, have higher blood flow and metabolism than any other area of the brain. I will continue to try to point out the vulnerability of auditory nuclei, which are essential for learning to speak.

I also have question about the article on neonatal reflexes. I can't find it online in the journal cited, but it was

"withdrawn" from the journal Neurotoxicology. I would like to read this article too.

I can tell you from my 40+ years trying to question mainstream medicine, they are not really interested in evidence, just avoiding anyone who might undermine their authority.

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Posted by: [Eileen Nicole Simon](#) | [July 19, 2010 at 08:57 AM](#)



Hi Emily-

We sure do have Facebook connected. After you read the entire article, there is a link that says "Share on Facebook". Click there and it will connect this article to your Facebook profile. Thanks for sharing with your friends.

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Posted by: Teresa Conrick | [July 18, 2010 at 03:00 PM](#)



I wanted to post this to Facebook and email it to a friend whose daughter whose brain is damaged by vaccine. You don't provide that! Not everyone know how to copy it and send it from there.

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Posted by: Emily | [July 18, 2010 at 02:11 PM](#)



I hope that further tracer techniques can be employed to study the detailed biodistribution and pharmacokinetics of EACH marketed vaccine.

After parenteral administration, in which capillary vascular beds do the various components of the pediatric and adult vaccine cocktails end up? heart? lung? brain? kidney? gut?

To what extent (location and duration) is our innate immune system activated and what is the temporal sequence of such immune activation?

To what extent is blood-clotting, ischemia, and infarction involved?

<http://www.hbci.com/~wenonah/riddick/vaccine.htm>

Shouldn't every marketed vaccine be rigorously screened for "adventitious presence" of biotech-enhanced events such as contamination with non-human DNA, retroviruses, reverse transcriptases, and oncogenes?

As amply demonstrated by this pilot study in non-human primates, the technology exists to begin systematic analyses in areas such as these.

In my humble opinion, vaccine madness and mythology poses a clear and present danger to public health, worldwide. Unless we live in jab-free, hermetically-sealed bubbles, no one will be completely-spared from this crisis of vaccine-associated disease.

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Posted by: patrons99 | [July 18, 2010 at 02:02 PM](#)



I don't know how relevant this is here, but it seems interesting:

<http://www.scientificamerican.com/article.cfm?id=sculpting-the-brain>

Exploring the Folds of the Brain--And Their Links to Autism

'The cortical landscape differs between healthy people and individuals with brain disorders that originate during development, such as autism. These shape differences suggest that connections between brain regions of affected individuals also depart from the norm.'

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Posted by: GH | [July 18, 2010 at 04:55 AM](#)

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