

## Dr Andrew Moulden Background:

I am 44 years of age and have spent my entire adult life in academia, university, and clinical health science studies, practice, and research. My affinity for the brain and behavioral sciences stemmed from a genuine desire to find answers to many unanswered questions, questions such as - Why are we here? What makes us human? and What causes illnesses like schizophrenia, dementia, multiple sclerosis, learning disabilities, and many other often debilitating illnesses. My area of expertise is in neurobehavioral assessment of brain and behavioral disorders, [www.BrainGuardMD.com](http://www.BrainGuardMD.com)

My Bachelor's degree was in Biological Psychology. I graduated valedictorian with an 88% cumulative average from Nipissing University, North Bay Ontario, Canada, in my core area of specialty. My Masters degree was in Child Development with my main thesis in language and neurocognitive development in children and adolescents (Laurentian University). My Undergraduate course grades in Brain and Behavior (98%) and Neurobiology (94%) were straight "A's". I achieved a similar level of academic success during the Masters and PhD degrees.

My PhD was in Clinical-Experimental Neuropsychology. I completed a sub-specialization in Cognitive Neuroscience at the University of Ottawa during the PhD degree. My PhD comprehensive exams were on Acquired Brain Injuries and Post Concussion Syndrome. I worked with the Mild Brain Injury Association as a group leader and also the Head Injury Association of Toronto, during the PhD training. My PhD comprehensive exam was on acquired Brain Injuries. My clinical work was devoted to detecting acquired brain injuries.

I was a Natural, Sciences, Engineering, and Research Council of Canada scholar, an Ontario Mental Health Foundation scholar, an Ontario Graduate scholar, and received 27 Awards/scholarships for academic, research, clinical, and teaching excellence during my University training. I was ranked in the top 1-5% of medical residents during my emergency medicine residency rotations in Ottawa.

I have taught enrichment courses on Brain and Behaviour, Neurology, Neuropsychology, and Neuropsychiatry at the University of Ottawa (1993-2005) and full courses in Neurobiology at Atlantic Baptist University in Moncton, New Brunswick Canada. My clinical training during the PhD was in Clinical Neuropsychology at the Baycrest Hospital, Rotman Research Institute - University of Toronto, and the Credit Valley Hospital, Ottawa Health Sciences Center memory Disorders Clinic. The PhD thesis was in Functional Brain Imaging and Neuro-Electrophysiology at the University of Toronto. I subsequently completed a medical degree at the McMaster University in Hamilton, Ontario.

During the PhD my extra-curricular training was in Behavioural Neurology and Clinical Neuropsychology. My clerkship electives training during medical school was in Clinical Neurology. My residency training was in Psychiatry/Neuropsychiatry. I received the licentiate of the Medical Council of Canada (2006) having passed the core knowledge (LMCC 1) and clinical skills (LMCC 2) exams consistent with the United States Medical Licensing Exams (USMLE parts 1 and 2).

During my clinical residency training I was ranked in the top 1-5% of medical residents during rotations by my supervisors including my emergency medicine rotations in Ottawa.

I have elected to devote myself to neurobehavioral and neurocognitive assessments and research based upon my PhD and Masters training rather than practicing clinical medicine. I pursued a Medical degree solely to further understand brain and behavioural disorders, from a clinical medicine frame of reference, rather than pursuing a goal to become a practicing/prescribing physician.

For the past several years I have devoted myself to deciphering the neurobehavioral sequel associated with immune system hyper stimulation, neurodevelopmental disorders, and ultimately to vaccinations as the common environmental trigger for several brain and behavioral disorders I have studied since the undergraduate degree.

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# Ischemia From Autism to Schizophrenia

by Dr Andrew Moulden

**Schizophrenia, an established brain disorder that derails thinking, emotions, behaviour and perception ALSO shares the exact same signs of ischemic brain damages as does all vaccine injuries, autism, Parkinsons, Alzheimers dementia, Aspergers and much more.**

The relevant medical Journal used to be called "The Journal of Autism and Childhood Schizophrenia" until the medical system decided to classify the two disorders separately since their symptoms and timing of onset differed. Please note, the neuropsychiatric symptoms WILL differ from MASS ischemia based on when in neurodevelopment the MASS ischemia adversely affects the brain: in the first five years of life (autism) or after the brain and its blood vessel networks have become functional for skills that become "hard-wired" (after 5 years of age - schizophrenia realm).

Marilyn Monroe has a 3rd cranial nerve palsy evidenced by the eye deviating outwards. Repeat vaccines were harming her all along. See the image here from the last

In the instance of autism MASS ischemia comes from vaccines, immune tolerance loss, and several other de-railed means by which the microscopic blood flow becomes unstable and creates hypoxic end vascular watershed blood vessel impairments to blood flow - and damage.

MASS ischemia, from any trigger or pathological state affecting the blood flow, blood, healing, and immune system, will induce microscopic ischemic lesions to the brain and its neuronal white matter tract systems (electrical cables). When these cables are 'stunned', paralyzed, broken or disconnected, symptoms emerge. Neurobehavioral symptoms from MASS ischemia differ as a function of when in neurodevelopment the damages occur and ischemia is on-going or complete, how long the ischemia lasts for, where within the brain vascular networks this is happening, how repetitive the process is, the nature of the trigger (and repeat triggers) and in the case of schizophrenia, immunological tolerance acquired and lost to a particular antigen - ANY antigen. Prenatal exposures

in the 1st trimester of gestation to viral or bacterial antigens can induce tolerance as can repeat vaccinations, high pathogen loads, or chronic antigenic challenge that cannot be readily eradicated by the immune system - in generalised or localised brain and body regions.

Schizophrenia and autism are the same pathological states - a MASS ischemia disorder (blood poisoning) in chemistry,

biomechanics, fluid dynamics, electrophysiology, and immunology - irrespective of the primary trigger.

MASS ischemia will never go away and the damages will never completely heal as the neurovascular damages remain with the same triggers that caused the damage to begin with. Until MASS ischemia is targeted and treated directly, spontaneous 'recovery' is simply stroke rehabilitation and re-establishment of blood flow and vascular channels without ever directly addressing the trigger and damages that remain and impede recovery (healing).

Seizures are from ischemia just like autisms is. Changing the diet helps for some, as dietary substances (like casein and gluten) may have antigens (proteins) to which



movie she made before taking her own life. This is MASS ischemia - and a vaccine problem. Marilyn is a victim of medical malpractice, not self harm by her own volition. More on Marilyn's vaccine journey will be posted to this site under depression and bipolar disorder at [www.ToleranceLost.com](http://www.ToleranceLost.com)

Schizophrenia is emerging via activation from MASS ischemia through several means. One of the reasons for the delayed onset diagnosis (and MASS ischemia) creating psychosis in the later teens and early twenties when development as been normal up to that point has to do with loss of immune tolerance to a particular antigen that the immune system was tolerant to, but no longer is. This is one of the means by which MASS ischemia can be activated.

the person is intolerant. These antigens induce an immune response (like vaccines) and it is the induced immune cells that can clog up partially obstructed micro circulation networks further - creating hypoxic symptom exacerbations and false assumptions that the diet or the food is somehow causing the underlying disorder, recovery, or decompensations. Not true. This is simply **MASS flow in the blood - Force (flow) = Acceleration (rate of flow) x MASS (weight and size and amount of substances carried in suspension in the blood).**

Note how John Nash (schizophrenia) and Benjamin Zeller (vaccine brain damaged with seizures, non-verbal, 'vegetative



state') share the same pathological signs of microscopic blood flow damages to the brain and its neuronal tract systems. Both have a 3rd cranial nerve palsy - eye deviates out. This is from MASS ischemia - the cause of Schizophrenia, as much as it is the cause of vaccine damage and vaccine induced autism. ALL of this can be FIXED, recovered and healed if we start treating MASS ischemia in all of its phases, rather than treating symptoms and never addressing the causes that caused illness and disability, and that maintain illness and disability, preventing recovery.

Cause is never found in chemistry. Chemistry is an effect of something else. Cause is found in physiology and the fundamental forces and laws of nature that govern our planet: macroscopic (solar system) and microscopic (blood flow). One of these laws is Sir Isaac Newton's 2nd Law of motion (Gravity) where Force = Acceleration x MASS; the law applies to movement in space, air, water, and in the blood...

This is first break schizophrenia - psychosis in a teenager. Note the evolving



ischemic palsies to the brain from the hypoxic process. This is a blood flow disorder.

Initially the hypoxia to the nerves will dump out large amounts of neurotransmitters (e.g. dopamine, norepinephrine, serotonin) as the nerves in varied tract systems, 'paralyzed' by hypoxia, lose their electrical stability and summative inhibitory/excitatory inputs. Eventually this will lead also to inappropriate dumping of neurotransmitters and creation of symptoms, including psychosis, and ultimately to losses of the neuronal tract systems and relative imbalances in the chemistry within the brain - and functions.

Acute psychosis from schizophrenia comes from ischemia, which dumps too many neurotransmitters into the 'fray' much the same way that street drugs like cocaine and other hallucinogens achieve the same effect. This is all simply MASS ischemia - a blood flow problem in micro circulation that can be fixed, prevented, and recovered across the board. Even if damages happened 50 years ago the body (and brain tracts) will heal on their own if you remove the process, damages and physiological derailments that are preventing healing (and causing or have caused disease, disability and disorder from Autism to Parkinsons to dementia).

This patient decompensated into psychosis (schizophrenia spectrum) and ultimately into jail for his behaviours after an



influenza vaccine series. He had transient (and COMPLETE) third nerve ischemic palsies bilaterally (eyes would not move upwards at all) and a partial 3rd nerve palsy

on lateral gaze transitions (you cannot see these usually with the naked eye as the timing of dysconjugate gaze palsies is faster than visual perception). This man was not treated. No one knew this was happening to his brain. This is MASS ischemia - a medical emergency and brain blood flow disorder that can be treated, averted, prevented, and recovered - but not with drugs that change brain chemistry after the 'fire' or during the 'fire'. This is not a chemical problem at the cause: The neuro chemical derailments are symptoms of the underlying cause - MASS ischemia. Repeat vaccines are but one of several triggers.

Schizophrenia is a psychiatric diagnosis that describes a neuropsychiatric and mental health disorder characterised by abnormalities in the perception or expression of reality. It most commonly manifests as auditory (or visual) hallucinations, paranoid or bizarre delusions (believing things not based in reality) or disorganised speech and thinking with significant social or occupational dysfunction. Onset of symptoms typically occurs in young adulthood, with around 0.4-0.6% of the population affected. Diagnosis is based on the patient's self-reported experiences and observed behaviour. No laboratory test for schizophrenia currently exists. The cause of schizophrenia, like all other neuropsychiatric disorders, remains unknown. We do know, however, that schizophrenia is a brain disorder - in chemistry, structure, and function.

The disorder affects cognition (thinking), behavior, sensory processing, and emotions, with disorganised and unusual thinking, speech, and social isolation. Concurrent depression, anxiety, and propensity for substance abuse is common...

You have 5 litres of blood in your body. This 5 litres travels through the entire circulation system in one minute. Only about 5% of the blood volume is traversing the 60,000 miles of capillary units in the body

(Cont'd page 10)

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## Ischemia From Autism to Schizophrenia (Cont'd from page 9)

at any given time. We have no tools in Western medicine to see blood flow live in the body throughout this vast network. It is at the micron level and the network is vast!

Vaccine induced autism is MASS ischemia - a micro circulation blood flow disorder like Schizophrenia, Dementia, Parkinsons, Multiple Sclerosis and much more. MASS ischemia creates disease, disorder, disability and social upheaval. The costs to society are profound when nearly 1% of the entire world's population has schizophrenia - 1 in 100 people of 6.3 billion. This is just the tip of the iceberg. Please note that MASS ischemia from infectious disease to vaccines can be fixed when we start treating the problem in physiology, and urgently, stop causing it with our medical procedures in vaccine prevention or pharmaceutical sales designed to treat symptoms and chemistry without ever fixing the core physiological problem - MASS ischemia. Fix the problem, the body heals, and the drugs are no longer needed.

MASS ischemia also causes suicidality, bipolar disorder, conduct disorders and major depression. It is all MASS ischemia, and as you will see in the Depression post on this site (and Bipolar disorder category) repeat vaccines (like infectious diseases under the right circumstances) can induce depression states that alters behaviour, emotions and perception to the point that the person actually takes their own life....

**What is a Microvascular Cranial Nerve Palsy?** Asymmetry of the eye alignments emerges most commonly from microvascular impairments of blood flow and oxygenation in the brain. These are microvascular cranial nerve palsies (paralysis). 3rd cranial nerve ischemic palsy is when the eye deviates outward ("wall-eye"). The outward deviation occurs because the intact 6th cranial nerve to the affected eye overpowers the lesioned 3rd cranial nerve responsible for pulling the eye inwards. When the neural inputs to the inside (3rd nerve) and outside (6th nerve) of one of the eyes are no longer equal in tension, the in-tact nerve causes asymmetries in

conjugate (aligned) gaze.

Assymetry of the eye alignments emerges most commonly from microvascular impairments of blood flow and oxygenation in the brain. These are microvascular cranial nerve palsies (paralyses).

**Anatomy of Microvascular Cranial Nerve Palsies** Interruption of the blood supply to one of the cranial nerves causes it not to work. If there is interruption of signal to the Vth nerve (which innervates the lateral rectus muscle) the affected eye will be impaired or slow when it moves to the outside.

If the IVth nerve is affected (innervating the superior oblique muscle) the eye can turn upwards and inwards. Patients rapidly discover that they may be able to eliminate or decrease double vision by tilting their head towards the opposite shoulder.

When the IIIrd nerve (which goes to multiple muscles) is involved the eye may be limited in up, down, and gaze toward the nose. Generally the eye can show signs of turning out (and/or downward). Third nerve palsies can also cause the eye blinks to come out of synchronization.

A VIth cranial nerve palsy can cause a loss of symmetry of the smile as well as loss of bulk and tone to one of the cheek muscle creases while sparing the forehead muscles on the same side of the face.

Microvascular derailments induce a loss of blood flow (which deprives the nerve of oxygen). This may occur due to blockage of small arteries related to high blood pressure, hardening of the arteries, systemic drops in blood pressure, low oxygen content of the blood, immune system hyper stimulation, and or microscopic derailments of blood flow from a variety of causes/mechanisms.

The infectious diseases were causing the same ischemic damages in the pre-vaccine era. Mercury cannot be the cause of autism spectrum if the infectious diseases were causing similar damages in the pre-vaccine era. Mercury and heavy metals are 'fuel to the fire' and can induce the ischemic damages on their own. However, removing mercury from vaccinations will not eradicate the core problem from immune system hyperstimulation and derailments of the colloidal (negative charge) instability of microscopic blood flow.

Colloids are substances carried in suspension in the blood by negative charge. Drop the negative charge, and blood substances start to 'sludge', agglomerate, flocculate, and stick together. This impairs blood flow and causes ischemic (impaired blood flow) hypoxic (low oxygen) and anoxic (no oxygen) tissue damages for brain and body. All vaccines induce ischemia, palsies, brain damages and autism spectrum.

**EPIDEMIC:** We are now seeing: 1 in 6 children with specific learning disabilities; 12-15% children with attention deficit disorder; 1 in 87 with autism spectrum (a 1700% increase over ten years); 1% sudden infant death; 40 deaths and 15,000 substantive adverse Gardasil reactions; 1 in 15 over 65 with dementia; 1 in 8 over 85; Chronic fatigue syndrome; Fibromyalgia; Seizure disorders; 'West' syndrome; Global developmental delay; 1 in 450 with type 1 diabetes; 1 in 2 men and 1 in 3 women will develop cancer over a lifetime; Gulf war syndrome affecting and disabling 250,000 troops and 42,000 deaths.

These vaccinated soldiers show the exact same neurological damages after vaccination as the infants and children are exhibiting after each childhood vaccination. These are strokes (oxygen demand exceeding oxygen supply) conclusively! This is just the tip of the iceberg. [tolerancelost.com](http://tolerancelost.com) & [brainguardmd.com](http://brainguardmd.com)

MASS is a component phase of all natural healing  
When inappropriately activated  
MASS (healing) causes disease/disorder/death  
This is a MASS blood FLO problem at its core

