

# The Perfect Storm

How a stressed nervous system drives so many of today's childhood challenges



the  
perfect



storm

Presented by Dr. Zach Conner, DC -  
Van Every Family Chiropractic Center, Royal Oak, Michigan

A VAN EVERY FAMILY

# Joanne's son, before and after care.

A Montessori principal trusted her gut on her son's sensory struggles and stayed consistent with care.



Van Every • A parent's testimonial

BEFORE WE BEGIN

# We support the **root cause.**

Neurologically-Focused Chiropractic Care. We are a proud, PX Docs affiliated office.

A NATIONAL MOVEMENT

# Part of something bigger



Van Every is a proud, **PX Docs affiliated** office: part of a network of more than **1,000 offices** nationwide pooling data and refining this neurologically-focused approach. The Perfect Storm framework was pioneered by **Dr. Tony Ebel**.

WHERE THIS STARTED

# Dr. Tony Ebel's son, Oliver

From a struggling baby to a thriving teen

As an infant



Thriving teenager



## WHO THIS IS FOR

# If this sounds like your family

- Your child struggles with chronic neurological challenges: **autism, ADHD, anxiety, seizures, PANS/PANDAS, sensory, chronic gut issues.**
- You have **exhausted the medical system** and come out with labels, but no root-cause answers and no drug-free action steps.
- You have already tried **diet, supplements, and detoxes.**
- You want the **daily struggles to get better**, not just the diagnosis.

TONIGHT, WE WILL ANSWER FIVE QUESTIONS

# The roadmap for tonight

- 1. What is the real **root cause** of my child's challenges?
- 2. What the heck is **the Perfect Storm**?
- 3. What role do **birth trauma, the vagus nerve, antibiotics, and the brain-gut connection** play in all of this?
- 4. Why don't **medical doctors** know this and tell parents about it?
- 5. What **drug-free action steps** can I take to get my child and my family out of the storm and help them reach their full potential?

WHAT WE ARE UP AGAINST

# The trend is rising

1 in 4

kids has a chronic  
illness

1 in 6

has sensory issues

1 in 36

is diagnosed with  
autism

## THE MISSING KEY

# One foundational key keeps getting missed

- The medical world, and even much of the natural-health world, is missing one foundational key: **the nervous system**.
- It is not simply genetics. Across the neurologically struggling kids in our PX network sample, only about **10%** had an obvious genetic variable; the rest were driven by environmental factors, and our genes take thousands of years to change.
- It is not only toxic load either, things like gluten, casein, environmental toxins, and vaccines among them. In the cases observed across the PX Docs network, toxic load was the dominant factor in only about **20 to 30%**, and those exposures have been around for generations.
- The bigger driver is **environmental stress on the nervous system**. It is time to stop scratching the surface and get to the **real root cause**.

## IT IS ALL CONNECTED

# Not separate problems in separate silos

- Autism, ADHD, anxiety, seizures, gut and immune issues are **not separate problems in separate silos.**
- One system links the brain and body and runs digestion, immunity, motor tone, sleep, speech, and emotion: **the central and autonomic nervous system.**
- Medicine sends these to separate specialists and misses the forest for the trees.

## A FAIR FRAME

# An incomplete system, not bad people

Our acute and trauma care is the best in the world. Ironically, that same system can be among the weakest at chronic care. The doctors are **not bad people**, they are doing the best they can inside an incomplete system, because they were never taught to look at the nervous system as the cause. We are simply adding the missing piece.

## PARENTS, YOU HAVE OPTIONS

# Three real paths (you have a choice)

01

## Traditional Medical

Pediatrician, neurologist, geneticist, gastroenterologist.

Excellent at acute and trauma care. Often labels without a root-cause answer.

**HAS ITS PLACE**

02

## Functional / Integrative

Diet, supplements, detoxes, the gut and the microbiome. Helpful and important, but works from the outside in.

**DOWNSTREAM**

03

## Neurologically-Focused

Start at the nervous system itself, the source. Gentle, drug-free care that supports regulation from the inside out.

**THE ROOT CAUSE**

## WHAT PARENTS TELL US

# Has anyone ever told you about the nervous system?



When we ask parents whether a pediatrician or medical provider ever discussed the **nervous system's role** in their child's health and development, the answer is almost always no. It is not the third path most families are ever shown.

“

It is called the Perfect Storm because there is not just one thing driving the rise in ADHD, autism, sensory challenges, seizures, and chronic illness. It is a *multitude* of things, but there is a pattern, a missing link the system is not picking up.

The pattern is what we are here to find.

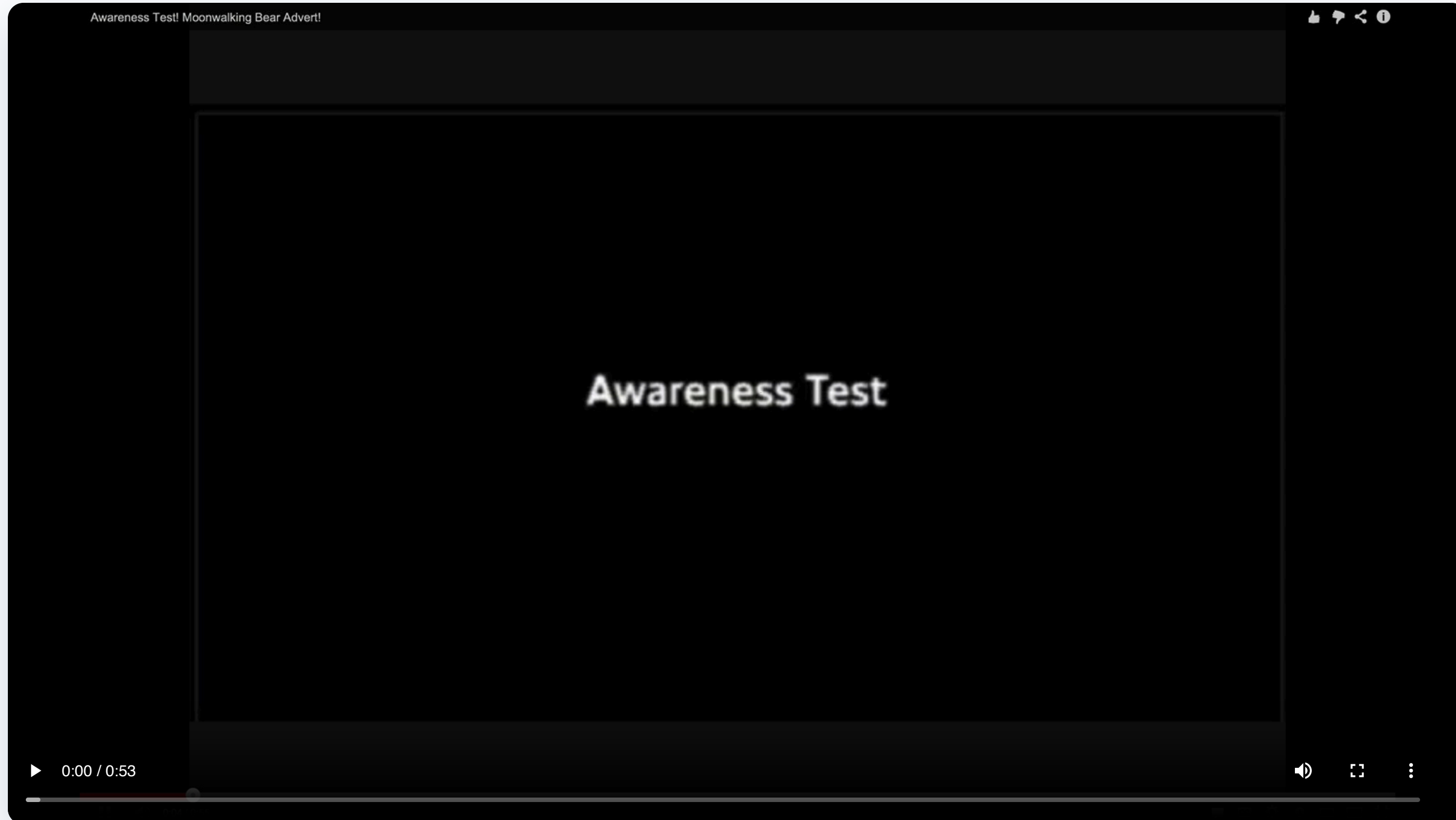
THE MISSING LINK

# The Moonwalking Bear

A quick attention test. Count the passes, and watch what almost everyone misses.

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“

It is easy to miss something you are not *looking* for.

You cannot find what you do not know you are looking for.

## THE POINT OF THE DEMO

# The nervous system is the bear

Everyone gets the number of passes right, and almost no one sees the bear walk through. That is the whole point. **The nervous system is the bear the medical system was never told to watch for.** Once you know to look, you cannot un-see it.

IN FOUR WORDS

# Stress, *stuck on*.

That phrase is the whole talk in miniature. Keep it in mind as we go.

## GAS vs BRAKE

### Chiropractic and the Nervous System

STRESS STUCK ON!!!

Subluxation occurs when a vertebrae is not aligned properly, creating stress and tension on the nerves. This stress causes the Central Nervous System to go into a protective state of **fight or flight**.

<p style="text-align: center;"><b>BRAKE PEDAL</b> PARASYMPATHETIC   WELLNESS CYCLE</p> <ol style="list-style-type: none"> <li>1. Chiropractic adjustment corrects subluxation</li> <li>2. Rest, relaxation, digestion, and immune function improve</li> <li>3. Growth, healing, and development are restored</li> </ol>	<p style="text-align: center;"><b>GAS PEDAL</b> SYMPATHETIC   DIS-EASE CYCLE</p> <ol style="list-style-type: none"> <li>1. Misalignment and fixation occur (subluxation)</li> <li>2. Stress response (adrenal glands) activated</li> <li>3. Central Nervous System gets stuck in fight or flight</li> </ol>
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HEADACHES   ARTHRITIS / DEGENERATION   DEPRESSION   fatigue   ACID   CROHN'S/IBS  
 COLD   AUTISM   EAR INFECTIONS   insomnia   REFLEX  
 BEHAVIOR ISSUES   anxiety   COLIC   bed wetting   GI ISSUES   asthma   sensory processing disorders  
 ADHD   INFERTILITY   high blood pressure   INFLAMMATION   allergies   CONSTIPATION  
 sinus congestion   seizures   HEART DISEASE   MUSCLE SPASMS/PAIN   HIGH CHOLESTEROL

"You can't be in growth and protection at the same time." Dr. Bruce Lipton

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A nervous system that turned its stress response on and never fully turned it back off. Almost everything ahead traces back to this one picture: **stress, stuck on.**

“

The function of the nervous system is to *perceive* the environment and control behavior.

Dr. Bruce Lipton

## THE UNIVERSAL SEQUENCE

# Perception, coordination, behavior

- **Perception** is the input. **Coordination** is the processing. **Behavior** is the output.
- Scramble the body's ability to perceive, and the coordination is off, so the behavior everyone sees downstream is off too.
- When a child is misbehaving, they are often **responding to misinformation** in the nervous system.

## THE ROOT METAPHOR

# The body responds perfectly to its own perception

The body is not malfunctioning. It is responding **exactly right** to the information it is getting. Change the information, through the nervous system, and the response changes. This idea sits underneath everything else in this talk.

## TWO HALVES OF THE AUTONOMIC SYSTEM

# The gas and the brake

01

## Sympathetic (Gas)

Fight-or-flight. Alert, defend, react. Essential in short bursts, exhausting when stuck on.

**TOO MUCH**

02

## Parasympathetic (Brake)

Rest, digest, heal, regulate. The calm-and-grow side, carried largely by the vagus nerve.

**TOO LITTLE**

03

## The hallmark

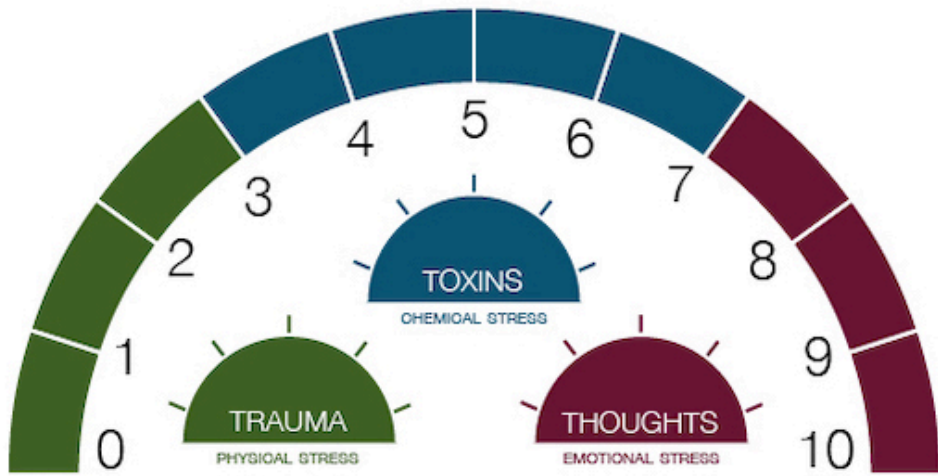
In these kids: too much gas, too little brake. A nervous system stuck in defense instead of growth.

**THE PATTERN**

TWO PEDALS, ONE NERVOUS SYSTEM

# The gas and the brake

## GAS vs BRAKE Chiropractic and the Nervous System



Subluxation occurs when a misalignment and fixation within the spine creates stress and tension on the nerves. This stress causes the Central Nervous System to go into a protective state of **fight** or **flight**.

- |   |   |
|---|---|
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|---|---|

sinus congestion HEADACHES ARTHRITIS / DEGENERATION DEPRESSION fatigue HIGH CHOLESTEROL ACID CROHN'S/IBS  
 BEHAVIOR COLD AUTISM EAR INFECTIONS insomnia REFLUX  
 ISSUES FLU anxiety COLIC bed wetting GI ISSUES asthma sensory processing disorders  
 ADHD INFERTILITY high blood pressure INFLAMMATION CONSTIPATION  
 seizures HEART DISEASE MUSCLE SPASMS/PAIN

The sympathetic side is the **gas**: alert, defend, react. The parasympathetic side, carried by the vagus nerve, is the **brake**: rest, digest, heal, regulate. The hallmark in these kids is too much gas, too little brake.

"You can't be in growth and protection at the same time." Dr. Bruce Lipton

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ALTERED PERCEPTION (SUBLUXATION) = ALTERED FUNCTION

# When neuro-motor input is altered, everything shifts

01

## Motor

Tone, coordination, milestones. The motor system is the foundation the rest is built on.

02

## Gut · Immune

Digestion and roughly 70% of the immune system, both run by the nervous system.

03

## Speech · Brain

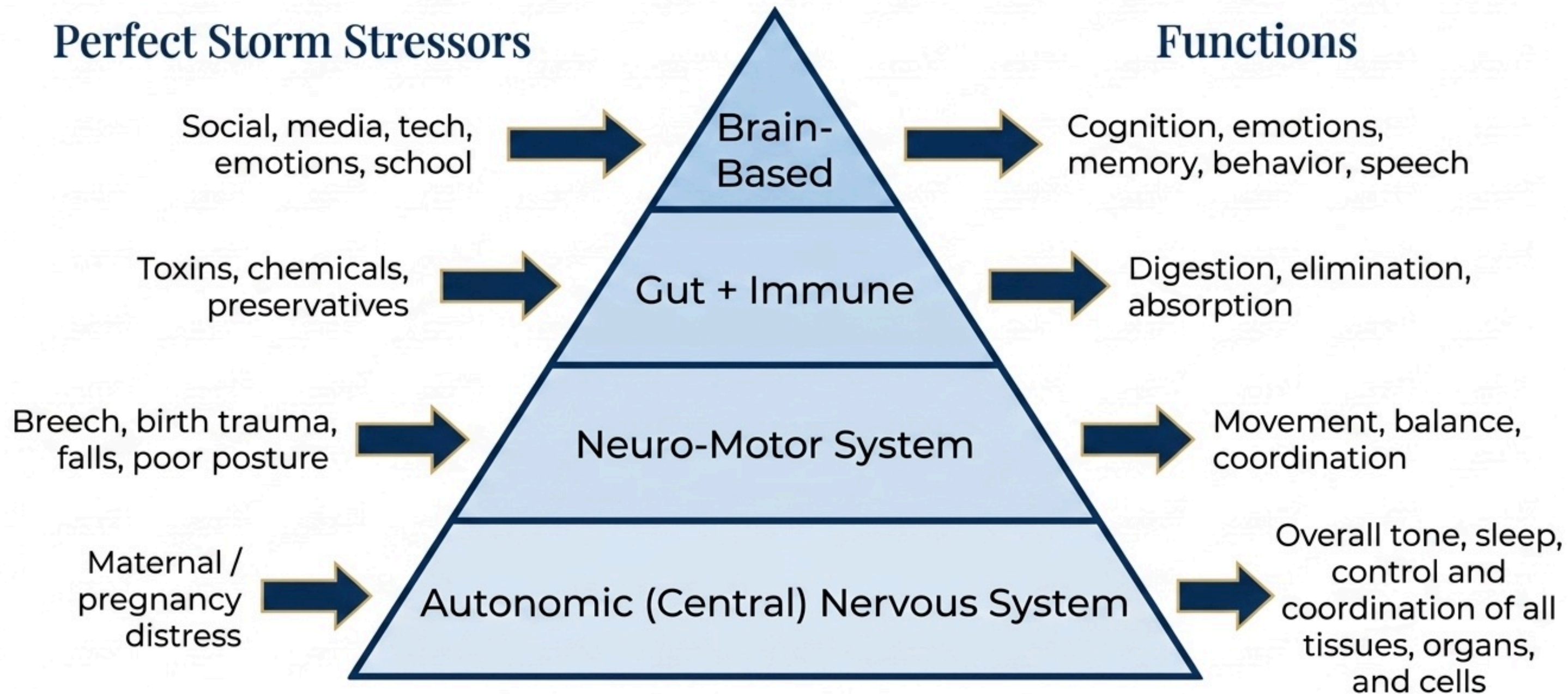
Brains are built bottom-up, back-to-front, over time. Alter the input and development shifts.

BUILT FROM THE BOTTOM UP

# The neurodevelopmental hierarchy.

Development is built like a pyramid:  
foundation first, higher skills last.

# The Neurodevelopmental Hierarchy



BUILT FROM THE BOTTOM UP

# Foundation first, higher skills last

Development is built like a pyramid, from the bottom up: a regulated **central nervous system** is the foundation, then autonomic balance, then neuromotor tone and immunity, and only then the higher brain-based skills. Stress at the base shifts everything built on top of it.

● HARVARD CENTER ON THE DEVELOPING CHILD

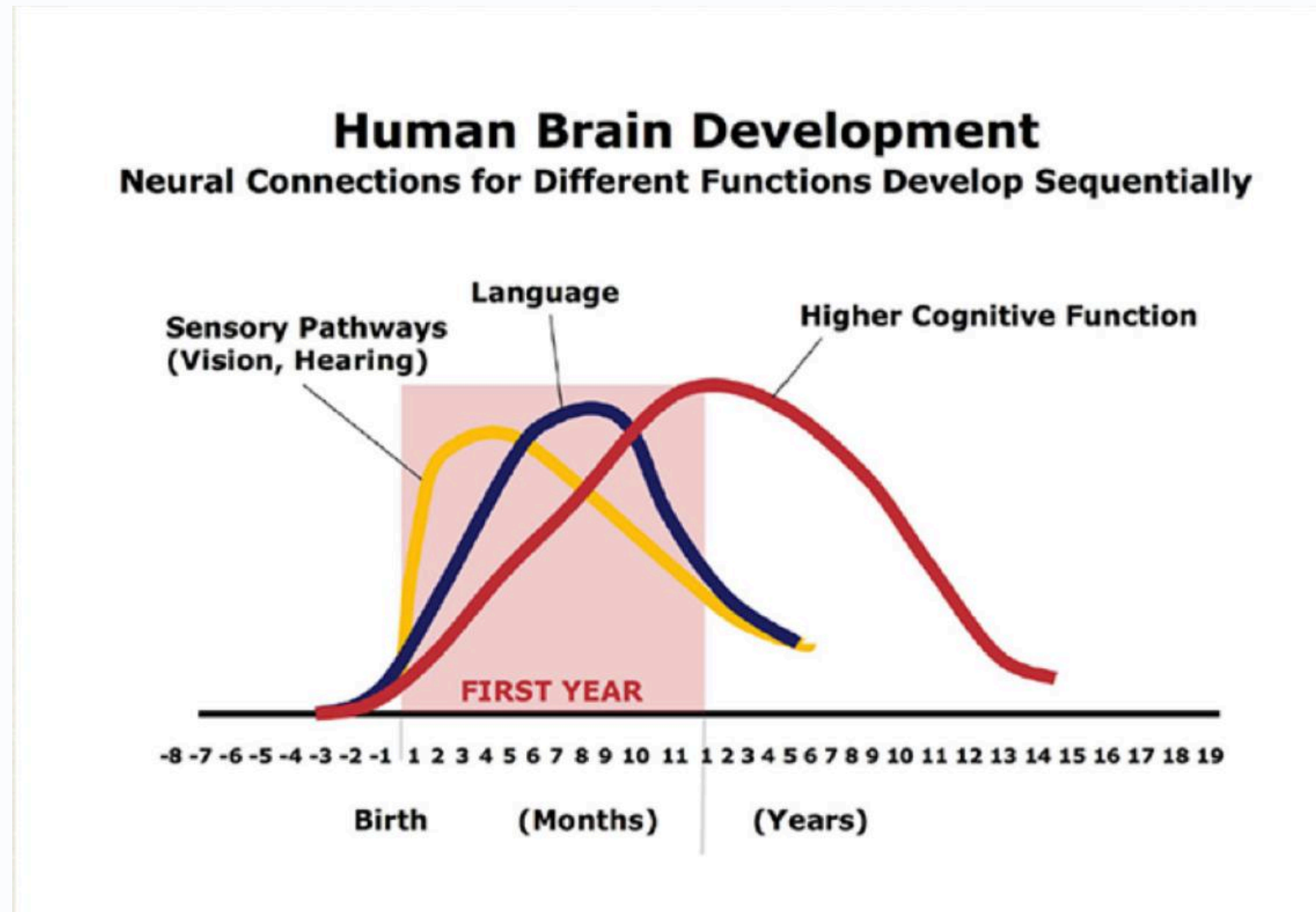
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The interaction of *genes and experiences* shapes the developing brain.

Experience is not a side note. It builds the architecture.

HARVARD CENTER ON THE DEVELOPING CHILD

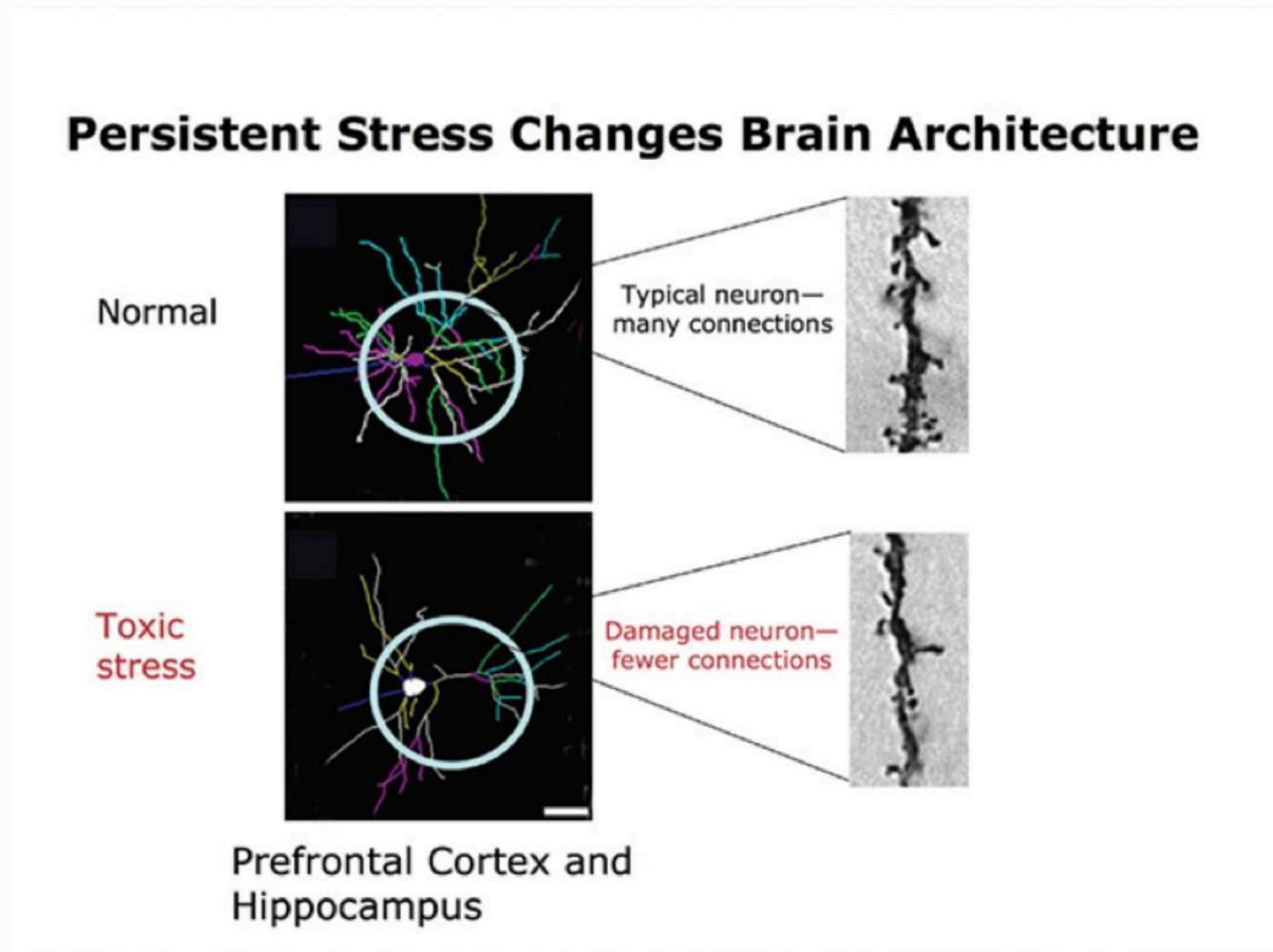
# Neural connections develop in sequence



The brain is built in a sequence: **sensory pathways** (vision and hearing) peak earliest, around ages 3 to 4, then **language** around 7, then **higher cognition** around 11 to 12. Early disruption shifts everything built after it.

HARVARD CENTER ON THE DEVELOPING CHILD

# Persistent stress changes brain architecture



Persistent, unrelieved stress measurably changes the **architecture** of the developing brain, especially the prefrontal cortex (higher reasoning) and the hippocampus (focus, attention, and memory). This is not behavior, it is structure.

## THE PERFECT STORM

# The Perfect Storm Algorithm

How much stress (the 3 Ts)? When did the stress occur? That equals how much care, for how long.

● ANALOGY · THE LIBRARY OF CARDS

“

You do not get a small fixed hand of genetic cards for life. You get a whole *library*, and the environment decides which ones get played.

Genes load the gun. The storm pulls the trigger.

## THE STORM

# Three stressors, one storm

Three stressors that, stacked together,  
dysregulate a developing nervous system.

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## THE PERFECT STORM

# Three stressors, one stacked result

01

## Prenatal & Maternal Stress

A high-stress pregnancy can begin to dysregulate baby's nervous system in utero. The cord can carry cortisol and stress markers, not just nutrients.

NEVER ABOUT BLAMING MOMS

02

## Birth Trauma & Intervention

C-section, forceps, vacuum, induction. Normalized, but can stress and injure the upper neck and brainstem.

SUBLUXATION BEGINS

03

## Toxins & Medication Load

Antibiotics, Miralax, nebulizers and everyday toxins. Often the straw on an already-stressed system.

THE TIPPING POINT

## STRESSOR 1

# Prenatal and maternal stress

- A high-stress or high-risk pregnancy can begin to dysregulate baby's developing nervous system **in utero**.
- Stress on mom's system can cross to baby. The cord can carry cortisol and stress markers, not just nutrients.
- The hallmark of these conditions, too much fight-or-flight tone, **often starts here**.
- This is never about blaming moms. Mom often needed that care. Knowing the trigger is simply what lets us address it.

## THE TOXIC LOAD STARTS EARLY

# Before the baby is even born

~287

chemicals found in the cord  
blood of healthy newborns

~180

of them known carcinogens  
(matches the well-known  
2005 study)

## STRESSOR 2

# Birth trauma and intervention

- Interventions (C-section, forceps, vacuum, induction) have been normalized, but can stress and injure the **upper neck and brainstem**.
- In a large share of the toughest neurological cases, there is a significant birth intervention in the history.
- This creates **subluxation**: misalignment, tension, and neurological interference in the upper cervical spine and brainstem, the air-traffic-control for the whole nervous system.

● ANALOGY · THE INDUCTION PILEDRIVER

“

When the body is not ready and labor is forced, an induction can land on a baby like a *piledriver*.

Vivid on purpose. Birth is the first big stressor.

## C-SECTION TREND

# More than one in three births

6% → 32%+

C-section rate, mid-1970s to today, and still rising

~80%

of C-section children showed sensory differences in one small study

THE TREND, IN ONE CHART

# Cesarean rates keep climbing



Cesarean delivery has gone from a rare intervention to **more than one in three births**, and it is still climbing. Every one of those is a normalized, but real, stressor on a newborn nervous system.

THE MOONWALKING BEAR, AGAIN

# Watch what a typical birth asks of a **newborn**.

Like the bear, it is easy to miss until you know  
to look.



## WHAT TO NOTICE

# The torque lands on the brainstem

Notice the pulling and torque through the **upper neck and brainstem**, the air-traffic-control of the whole nervous system. Like the Moonwalking Bear, once you know to look, you cannot un-see it.

## THE FIRST BIG STRESSOR

# What that pulling lands on



Moments after delivery. The same torque you just watched lands on the **upper neck and brainstem** of a brand-new nervous system. This is why we look there first, gently, in every newborn.

## SOMATIC DYSFUNCTION (SUBLUXATION)

# Birth itself is the first stressor

A study of one hundred healthy newborns found nearly all of them subluxated right after birth (about 99 of 100). A large share sit on the **right side**, because most birth providers are right-handed and the dominant hand jams that side during delivery. In 99 of 100 infants, at least one pattern of subluxation is present.

## SIGNS PARENTS RECOGNIZE

# It is not only birth

- **The nursing-side tip:** a baby who nurses happily on one side and fights the other often has something going on in the neck. We have two sides for a reason.
- **Everyday hidden trauma:** learning to walk and ride a bike is falling over and over.
- Hours a day in **car seats and bouncers** add up on a little spine. The home videos that are funny to everyone else can be cringe-worthy to a pediatric chiropractor.

## STRESSOR 3

# Toxins and medication overload

- Antibiotics (especially in the first two years), Miralax, nebulizers, plus everyday environmental toxins, often used instead of addressing the root cause.
- In a nervous system already stressed and less resilient, these become **the straw that breaks the camel's back.**
- Toxins matter, but usually the storm was already brewing underneath. This is factual, not anti-medicine. Medication has its place.

## EARLY ANTIBIOTICS

# In an already-stressed system

## 2-4×

rise in allergies and asthma  
linked to antibiotics before  
age 3

## 24 mo

antibiotics in the first 24  
months can affect  
neurocognitive outcomes at  
11

## THE ANATOMY OF THE STORM

# Contributing factors, across the cases we see

~50%+

documented major prenatal stress

~80%

some form of birth trauma or intervention

~10%

genetics as the major variable

## SUBLUXATION, DEFINED

# Not just a bone out of place

From a Neurologically-Focused viewpoint, **subluxation** is misalignment, tension, and restricted motion in the neurospinal system that interferes with communication between the brain and body. It disrupts the body's ability to regulate and adapt, shifting the autonomic system out of balance. Not just a structural issue in the spine, a deeper disruption in the body's ability to communicate, adapt, and heal.

“

The spine serves as far more than a bunch of ligaments and bones. It is the *central highway and processing center* for the entire nervous system, the master system that controls and coordinates the function and healing of every cell, tissue, and organ in the body.

Dr. Tony Ebel

THE EFFECTS OF SUBLUXATION

# The neuro fuse: one spine, system-wide

*neuro fuse box* THE EFFECTS OF SUBLUXATION

THE NERVOUS SYSTEM CONTROLS AND COORDINATES ALL ORGANS AND STRUCTURES OF THE HUMAN BODY

	CAUSE		EFFECT	
	Primary & Secondary Functions	Tissues, Organs & Glands	Possible Symptoms	
<b>C1-C6: Upper Cervical</b>	<ul style="list-style-type: none"> <li>Autonomic Nervous System</li> <li>ENT System</li> <li>Vision, Balance &amp; Coordination</li> <li>Speech</li> <li>Immune System</li> <li>Digestive System</li> </ul>	<ul style="list-style-type: none"> <li>Vagus Nerve</li> <li>Brainstem</li> <li>Cerebellum</li> <li>Inner / Middle Ear</li> <li>Sinuses</li> <li>Parathyroid Gland</li> <li>Face, Jaw &amp; Teeth</li> <li>Eyes</li> </ul>	<ul style="list-style-type: none"> <li>Colic &amp; Excessive Crying</li> <li>Torticollis &amp; Plagiocephaly</li> <li>Ear &amp; Sinus Infections</li> <li>Allergies &amp; Congestion</li> <li>Immune Deficiency</li> <li>Headaches &amp; Migraines</li> <li>Vertigo &amp; Dizziness</li> <li>Vision &amp; Hearing Issues</li> <li>TMJ / Jaw Pain</li> <li>Low Energy &amp; Fatigue</li> <li>Difficulty Sleeping</li> </ul>	<ul style="list-style-type: none"> <li>Epilepsy &amp; Seizures</li> <li>Sensory Spectrum</li> <li>ADD / ADHD</li> <li>Focus &amp; Memory Issues</li> <li>Anxiety &amp; Stress</li> <li>Balance &amp; Coordination</li> <li>Speech Challenges</li> <li>High Blood Pressure</li> <li>Reflux / GERD</li> <li>Depression</li> </ul>
<b>C4-C7: Lower Cervical</b>	<ul style="list-style-type: none"> <li>Nerve Supply to Shoulders, Arms &amp; Hands</li> <li>Sympathetic Nucleus</li> <li>ENT System</li> <li>Metabolism</li> </ul>	<ul style="list-style-type: none"> <li>Inner Ear, Tonsils &amp; Throat</li> <li>Vocal Cords</li> <li>Neck &amp; Shoulder Muscles</li> <li>Nerves to Arms, Wrists &amp; Hands</li> <li>Thyroid Gland</li> </ul>	<ul style="list-style-type: none"> <li>Ear &amp; Sinus Infections</li> <li>Allergies &amp; Congestion</li> <li>Sore Throat &amp; Strep</li> <li>Swollen Tonsils &amp; Adenoids</li> <li>Croup &amp; Cough</li> <li>Anxiety &amp; Stress</li> </ul>	<ul style="list-style-type: none"> <li>Headaches &amp; Migraines</li> <li>Stiff Neck &amp; Shoulders</li> <li>Pain, Numbness &amp; Tingling in Arms to Hands</li> <li>Speech Challenges</li> <li>Poor Metabolism &amp; Weight Control</li> </ul>
<b>T1-T6: Upper Thoracic</b>	<ul style="list-style-type: none"> <li>Upper GI</li> <li>Respiratory System</li> <li>Cardiac Function</li> </ul>	<ul style="list-style-type: none"> <li>Upper Back &amp; Shoulders</li> <li>Esophagus &amp; Upper GI</li> <li>Lungs, Bronchi &amp; Upper Respiratory</li> <li>Cardiac / Heart</li> <li>Chest / Sternum</li> </ul>	<ul style="list-style-type: none"> <li>Reflux / GERD</li> <li>Chronic Colds &amp; Cough</li> <li>Asthma</li> </ul>	<ul style="list-style-type: none"> <li>Bronchitis &amp; Pneumonia</li> <li>Functional Heart Conditions</li> <li>Stiff Neck &amp; Shoulders</li> </ul>
<b>T4-T11: Mid Thoracic</b>	<ul style="list-style-type: none"> <li>Major Digestive Center</li> <li>Detox &amp; Immunity</li> </ul>	<ul style="list-style-type: none"> <li>Gallbladder</li> <li>Liver</li> <li>Stomach</li> <li>Pancreas</li> <li>Spleen</li> <li>Middle Back &amp; Shoulders</li> </ul>	<ul style="list-style-type: none"> <li>Gallbladder Pain / Issues</li> <li>Jaundice</li> <li>Fever</li> <li>Immune Deficiency</li> </ul>	<ul style="list-style-type: none"> <li>Indigestion / Heartburn</li> <li>Stomach Pains &amp; Ulcers</li> <li>Blood Sugar Problems</li> </ul>
<b>T8-T12: Lower Thoracic</b>	<ul style="list-style-type: none"> <li>Stress Response</li> <li>Filtration &amp; Elimination</li> <li>Gut &amp; Digestion</li> <li>Hormonal Control</li> </ul>	<ul style="list-style-type: none"> <li>Adrenal Glands</li> <li>Kidneys</li> <li>Ureters</li> <li>Small Intestine</li> <li>Reproductive Organs</li> </ul>	<ul style="list-style-type: none"> <li>Excess Stress &amp; Cortisol</li> <li>Behavior Issues</li> <li>Hyperactivity</li> <li>Chronic Fatigue</li> <li>Poor Metabolism</li> <li>Bedwetting</li> </ul>	<ul style="list-style-type: none"> <li>Allergies &amp; Eczema</li> <li>Skin Conditions / Rash</li> <li>Kidney Problems</li> <li>Gas Pain &amp; Bloating</li> <li>Infertility</li> <li>Cramps &amp; Menstrual Problems</li> </ul>
<b>L1-Sacrum: Lumbo-Sacral Spine</b>	<ul style="list-style-type: none"> <li>Lower GI (Absorption &amp; Motility)</li> <li>Gut-Immune System</li> <li>Major Hormonal Control</li> </ul>	<ul style="list-style-type: none"> <li>Large Intestine</li> <li>Bladder</li> <li>Ovaries &amp; Uterus</li> <li>Prostate Gland</li> <li>Lymph Circulation</li> <li>Lower Back &amp; Pelvic Muscles</li> <li>Nerves to Legs, Knees &amp; Feet</li> <li>Parasympathetic Plexus</li> </ul>	<ul style="list-style-type: none"> <li>Constipation &amp; Gas</li> <li>Crohn's, Colitis &amp; IBS</li> <li>Diarhea</li> <li>Bedwetting</li> <li>Bladder &amp; Urination Issues</li> <li>Cramps &amp; Menstrual Problems</li> <li>Cysts &amp; Endometriosis</li> <li>Infertility</li> <li>Impotency</li> <li>Hemorrhoids</li> <li>Eczema</li> </ul>	<ul style="list-style-type: none"> <li>Sciatica &amp; Radiating Pain</li> <li>Lumbar/Spinal / SI Joint Pain</li> <li>Hamstring Tightness</li> <li>Disc Degeneration</li> <li>Leg Weakness &amp; Cramps</li> <li>Poor Circulation &amp; Cold Feet</li> <li>Knee, Ankle &amp; Foot Pain</li> <li>Weak Ankles &amp; Arches</li> <li>Lower Back Pain</li> <li>Gluten &amp; Casein Intolerance</li> <li>Immune Deficiency</li> </ul>

When tension and stress build up in an area of the spine, it creates interference and overloads the nerve or nerves nearby, creating what is known as a subluxation. This subluxation acts similar to a blown fuse in your house. When a fuse blows in your house, certain areas or appliances may not function until that power is restored. Similarly, by finding and correcting any subluxations in your spine, specific chiropractic adjustments help restore power and function to those parts of the body.

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A cause-and-effect map of the spine: tension at a given level can echo out into **digestion, immunity, focus, sleep, and tone.** Each level connects to specific organs and systems.

## WHERE IT MATTERS MOST

# The brainstem is air-traffic control

Tension in the upper neck and brainstem alters the signal for the whole nervous system. **"Are you talking about a bone, like T1 or T2?"** Not really the bone. The brainstem and the flow of information through that area. Tension there alters the signal. This is the line that separates this work from structural, bone-popping chiropractic.

SAY IT PLAINLY

Subluxation =  
*Stress, stuck on.*

The hallmark: too much sympathetic tone, too little vagal calm.

## THE RESULT

# Subluxation to dysautonomia

Subluxation of that area shifts the child into **dysautonomia**: too much sympathetic (fight or flight), too little parasympathetic and vagal (rest, digest, heal, regulate). When the vagal side is suppressed, the system cannot calm, soothe, digest, communicate, or regulate, all essential for development.

## HOW SUBLUXATION PROGRESSES

# The 3 progressive stages of subluxation

01

## 1 · Dominance

Sympathetic fight-or-flight dominance. The gas pedal is stuck on and the brake pedal is shut down.

**GAS ON, BRAKE OFF**

02

## 2 · Disorganization

Neurological disorganization, dysfunction, and confusion. The signals stop coordinating cleanly.

**SIGNALS SCRAMBLE**

03

## 3 · Exhaustion

Neurological exhaustion, depletion, and depression. The system has run in defense so long it runs low.

**THE TANK RUNS LOW**

● ANALOGY · THE FERRARI

“

A child stuck in fight-or-flight is a beautiful Ferrari doing ninety. The brake is the *vagus nerve*, and our job is to gently tap the brakes, never slam them.

We support the root cause.

● ANALOGY · TWO RIVERS

“

Proprioception (good movement input) and nociception (stress input) are two rivers feeding the brain, and the *louder one wins*.

In these kids the stress river is Metallica at full blast and the calm river is quiet elevator music. We turn the calm one back up.

## MOTION IS THE FUEL

# Why these kids go hunting for motion

The nervous system runs on motion. That is how the information flows, and a large share of that movement signal comes from the upper neck and brainstem, an area especially dense with movement sensors. When that area is locked up, kids go hunting for the motion elsewhere: the tapping, the toe-walking, the chewing, the teeth-grinding. Those are **recruitment attempts**, not just quirks.

A CORE PRINCIPLE

You cannot be in **growth** and **protection** at the same time.

A nervous system stuck in defense has no resources left for development.

BRUCE LIPTON

# Growth or protection, never both at once

A body in protection (gas, sympathetic) cannot also be in growth (brake, parasympathetic). A system held in defense spends its resources **surviving, not developing**. Our work is to help it feel safe enough to grow again.

NEXT SECTION

# The 5 D's of Subluxation

It starts with disintegration: one stress, left in place, progresses step by step through the system.

---

5

## THE PROGRESSION, IN SEQUENCE

# From first stress to lasting change

- 1 **Dyskinesia:** abnormal alignment and movement.
- 2 **Dysafferentation:** abnormal sensory input to the brain.
- 3 **Dysautonomia:** imbalance of the autonomic nervous system, gas up, brake down.
- 4 **Dysfunction:** interference with the optimal function of other body systems.
- 5 **Dysponesis:** abnormal energy expenditure and output.

“

It is *easy to miss* something you are not looking for.

The Moonwalking Bear, again. The 10 D's are easy to miss until you know the pattern.

## THE HONEST LINE

They do not grow out of it.  
They grow **into a new  
diagnosis.**

The same root issue just changes its name as  
the child grows.

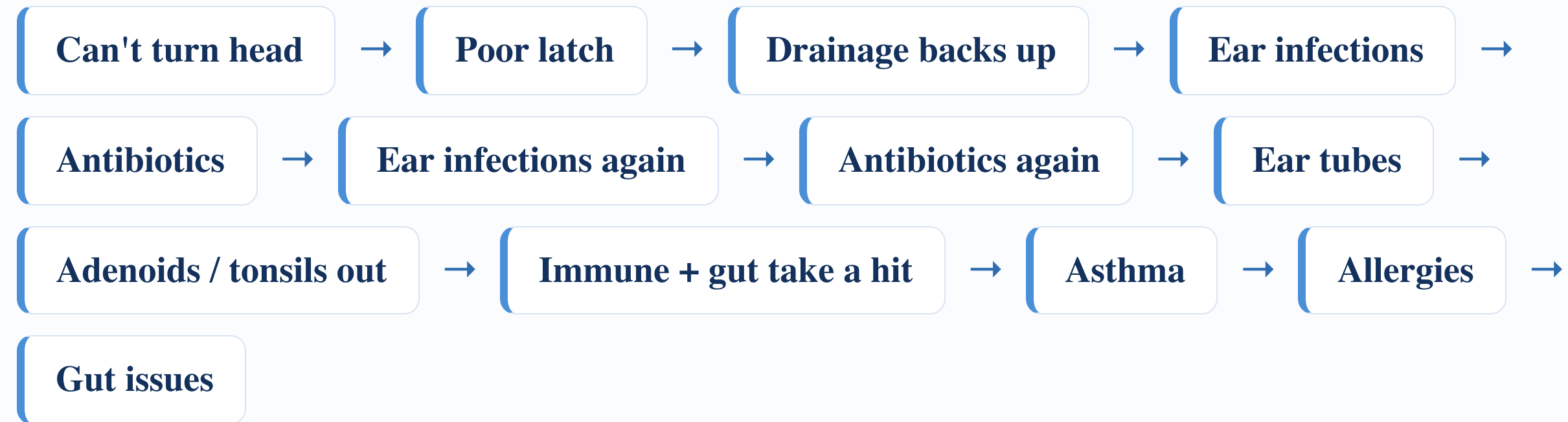
## THE STORM ACROSS A LIFETIME

# One stressed system, seven stages

- **1. Prenatal emotional stress** (documented in a majority of these cases).
- **2. Birth intervention** (present in roughly 80%): C-section, forceps, vacuum, induction.
- **3. The stressed, colicky, constipated baby** who cannot settle or sleep.
- **4. The sensory, frequently-sick toddler** with reflux, ear infections, and reactions.
- **5. The hyperactive or emotionally-stuck child:** where autism, ADHD, and anxiety labels arrive.
- **6. The anxious or depressed teen** (now about 1 in 3).
- **7. The burnt-out adult** still carrying the same dysregulated nervous system.

THE CASCADE, NAMED AT EVERY STEP

# Same storm, different name



The colicky, constipated, cannot-sleep baby is often the fifth-grader with ADHD. **Same storm, different name.**

## PERFECT STORM · GRADE SCHOOL

# The colicky baby is the fifth-grader with ADHD

By grade school, the early storm has a new name. The baby who could not turn his head, who was colicky and constipated and could not sleep, is now the child who cannot sit still, cannot focus, melts down at transitions. **Same storm, new label.** And it is never too late to support the system underneath.

## ANALOGY · DRAINAGE AND PLUMBING

# Things have to be able to come out

The body is endlessly complex, but a lot of it comes down to something simple: **drainage and plumbing**. When the parasympathetic side is down, the drainage backs up, and that is when the ears and sinuses keep getting infected. Support the nervous system, and the plumbing starts to drain again.

## THE RESEARCH IS CATCHING UP

# A growing body of evidence

- Prenatal, perinatal, and neonatal factors in **autism and pervasive developmental disorders**.
- **Cesarean delivery** and sensory and neurodevelopmental outcomes.
- Early **antibiotic** exposure linked to allergies, asthma, and neurocognitive outcomes.
- **Vagal nerve stimulation** reduces intestinal inflammation (the brain-gut axis).
- **Cerebellum, sensitive periods, and autism** (Wang et al., Princeton Neuroscience Institute).
- Sensory processing differences and altered **parasympathetic and vagal** function.
- Persistent stress and **brain architecture** (Harvard Center on the Developing Child).

## DYSAUTONOMIA &amp; KEY BRAIN FUNCTIONS

# Three players in the stress chain

01

## Amygdala

The seat of emotions, specifically fear and anxiety. Overactive when stress stays stuck on.

**FEAR CENTER**

02

## Hippocampus

Focus, attention, memory, and situational awareness. Gets crowded out when the amygdala dominates.

**FOCUS + ATTENTION**

03

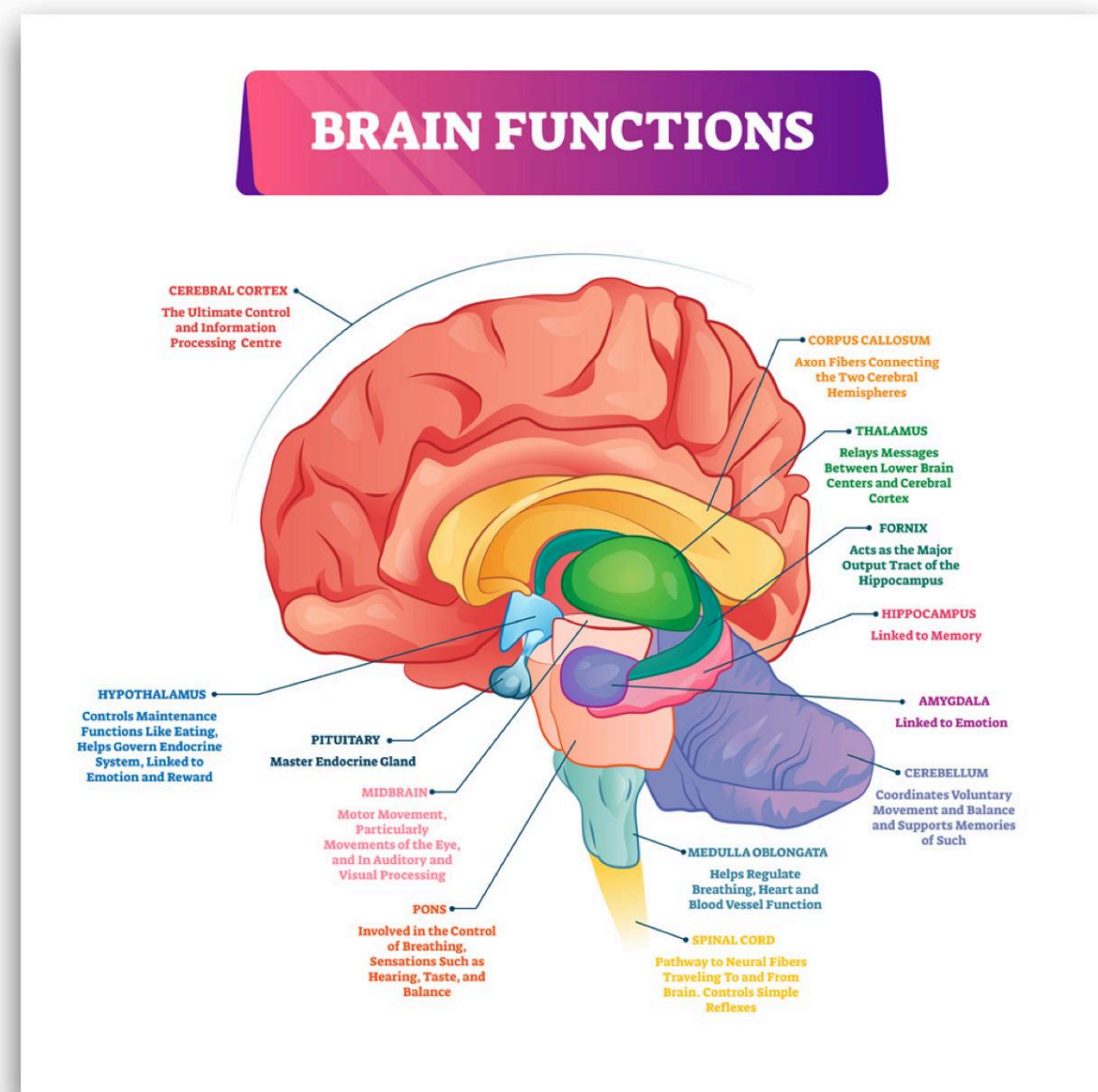
## Prefrontal Cortex

Higher reasoning, judgment, and social skills. Starved last in the chain.

**SOCIAL**

## KEY BRAIN FUNCTIONS

# Where stress lands in the brain



The **amygdala** drives fear and anxiety, the **hippocampus** holds focus, attention, and memory, and the **prefrontal cortex** runs higher reasoning and social skills. Stuck-on stress keeps the amygdala in charge and starves the rest.

## THE STRESS CHAIN

# Why focus and behavior suffer

- Early stress keeps the **amygdala** (fear) overactive.
- That crowds out the **hippocampus** (focus, attention, and memory).
- Which in turn starves the **prefrontal cortex** (higher reasoning and social skills).
- Anxiety is fear of the future. That is the amygdala in the driver's seat.

● THE SHARPEST REFRAME

“

A lot of people are told they have a chemical imbalance. But what we keep finding is a *neurological* imbalance driving the chemistry.

Address the neurology and the chemistry tends to settle on its own. Neurotransmitters: neuro = nervous system, transmission = communication.

## THE GUT CONNECTION

# The brain-gut axis runs both ways

~70%

of the immune system lives in the gut, and the gut is run by the nervous system

~90%

of the body's serotonin is produced in the gut, which is run by the nervous system

THE CALM-AND-HEAL SIDE

# The Vagus Nerve

Vagus is Latin for wander. It is the longest cranial nerve, and it wanders through the whole body, which is why upper-neck work can help digestion.

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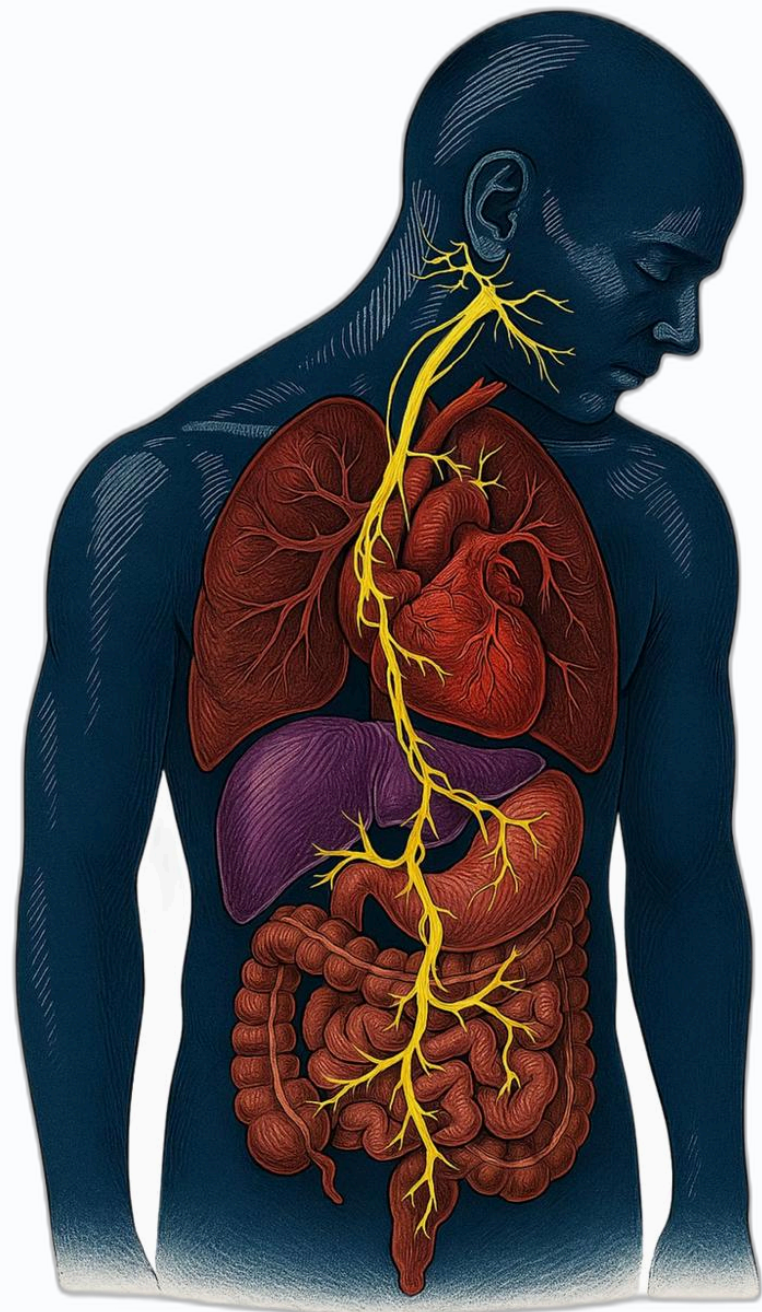
## WHAT THE VAGUS REGULATES

# One nerve, many systems

- Heart rate and blood pressure
- Digestion and gut motility
- Inflammation and immune response
- Mood and emotional regulation
- Sleep
- When it works well, it promotes a state of **relaxation and healing**. When impaired, a wide range of chronic problems follow.

VAGUS IS LATIN FOR WANDER

# One nerve, from the brainstem to the gut



The vagus nerve **wanders** from the brainstem down through the heart, lungs, and gut. That single reach is why gentle work at the upper neck can ripple all the way into digestion, immunity, and calm.

## THE RESEARCH

## Brain-Gut before Gut-Brain

Vagal nerve stimulation **reduces intestinal inflammation.** The brain-gut direction comes first: the nervous system sets the conditions the gut then lives in.

## Recent advances in basic science



OPEN ACCESS

## The vagal innervation of the gut and immune homeostasis

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## ABSTRACT

The central nervous system interacts dynamically with the immune system to modulate inflammation through humoral and neural pathways. Recently, in animal models of sepsis, the vagus nerve (VN) has been proposed to play a crucial role in the regulation of the immune response, also referred to as the cholinergic anti-inflammatory pathway. The VN, through release of acetylcholine, dampens immune cell activation by interacting with  $\alpha$ -7 nicotinic acetylcholine receptors. Recent evidence suggests that the vagal innervation of the gastrointestinal tract also plays a major role controlling intestinal immune activation. Indeed, VN electrical stimulation potentially reduces intestinal inflammation restoring intestinal homeostasis, whereas vagotomy has the reverse effect. In this review, we will discuss the current understanding concerning the mechanisms and effects involved in the cholinergic anti-inflammatory pathway in the gastrointestinal tract. Deeper investigation on this counter-regulatory neuroimmune mechanism will provide new insights in the cross-talk between the nervous and immune system leading to the identification of new therapeutic targets to treat intestinal immune disease.

## INTRODUCTION

Accumulating evidence supports the idea that an intricate communication network exists between the nervous and immune systems, and that this crosstalk could play a crucial role in the regulation of the immune response.<sup>1</sup> The interplay between those diverse systems occurs through a complex set of neurotransmitters, cytokines and hormones that act as counter-regulatory mechanisms able to dampen inflammation and restore homeostasis.<sup>1,2</sup> On a systemic level, neuroendocrine mechanisms reduce inflammation by the hypothalamic-pituitary-adrenal (HPA) axis through the anti-inflammatory effect of glucocorticoids, by the hypothalamic-pituitary-gonadal axis through sex hormones, and by the hypothalamic-pituitary-thyroid hormone axis through thyroid hormones.<sup>3,4</sup> Although modulation of the immune system by the nervous system, in particular the adrenergic nervous system, has been introduced decades ago,<sup>5</sup> interest in the role of the autonomic nervous system as a key player in immune homeostasis has recently increased exponentially. In 2000, Tracey and coworkers demonstrated that vagus nerve (VN) stimulation potentially suppresses cytokine production in a rodent model of sepsis.<sup>6</sup> This discovery has led to the introduction of the concept of the cholinergic anti-inflammatory pathway,<sup>7</sup> a hard-wired connection between the immune and nervous systems closely interacting to regulate inflammation. It is currently supposed that

inflammatory mediators activate sensory nerves and send signals concerning the state of the inflammation to the central nervous system. The latter, through efferent nerves, releases neuromediators that influence immune cells and modulates local inflammation.<sup>8</sup> Consequently, it is now clear that the nervous system is able to regulate inflammation in peripheral tissues and to restore local immune homeostasis.

In the present review, the current knowledge and the clinical implication of the intestinal cholinergic anti-inflammatory pathway will be discussed. Readers interested in the sympathetic modulation of the immune response are referred to excellent reviews on this topic.<sup>9-11</sup>

## THE CHOLINERGIC ANTI-INFLAMMATORY PATHWAY

While studying the anti-inflammatory effect of the inhibitor of p38 MAP kinase, CNI-1493, it became clear that this compound suppressed carrageenan-induced paw oedema at doses at least 6-logs lower when injected intracerebroventricular than required for a systemic effect.<sup>12</sup> This potent anti-inflammatory effect was abrogated after bilateral vagotomy. Conversely, recording of the efferent VN electrical activity revealed an increase in discharge rate after infusion of CNI-1493, suggesting anti-inflammatory properties of VN activation. Similarly, electrical stimulation of the transected peripheral VN for 20 min prevented the development of an acute inflammation in response to carrageenan injection in the paw and increased survival in a model of sepsis<sup>6</sup> by reducing cytokine (tumor necrosis factor (TNF)) production of splenic macrophages. This anti-inflammatory effect could be reproduced in vitro using isolated human macrophage cultures; the release of TNF, interleukin (IL)-1 $\beta$ , IL-6 and IL-18 in response to endotoxin was significantly reduced by acetylcholine (ACh) and nicotine. In a search to pharmacologically mimic the effect of VN stimulation, Wang *et al* identified the  $\alpha$ 7 subtype of the nicotinic acetylcholine receptor ( $\alpha$ 7nAChR) as the main receptor by which splenic macrophages are modulated.<sup>13</sup> The anti-inflammatory effect of VN stimulation is lost in  $\alpha$ 7nAChR knock-out mice, can be blocked by specific antagonists  $\alpha$ 7nAChR, and is mimicked both in vivo and in vitro by  $\alpha$ 7nAChR agonists.<sup>13</sup> Based on these findings, the 'cholinergic anti-inflammatory pathway' was introduced, whereby the VN modulates the immune response in the spleen providing an additional protective mechanism to the host (figure 1). This mechanism protects against the lethal effects of cytokines by restraining the magnitude of a potentially fatal peripheral immune response.<sup>6-8</sup>



To cite: Matteoli G, Boeckxstaens GE. Gut 2013;62:1214-1222.


1214

Matteoli G, *et al*. Gut 2013;62:1214-1222. doi:10.1136/gutjnl-2012-302550

## DEVELOPMENTAL DIASCHISIS

# One area, distant effects

**Cerebellar dysfunction** in a critical period can produce effects far from the original site. (Wang et al., Princeton.)



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**The Cerebellum, Sensitive Periods, and Autism**

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 Princeton Neuroscience Institute and Department of Molecular Biology, Princeton University,  
 Princeton, NJ 08544

**Abstract**

Cerebellar research has focused principally on adult motor function. However, the cerebellum also maintains abundant connections with nonmotor brain regions throughout postnatal life. Here we review evidence that the cerebellum may guide the maturation of remote nonmotor neural circuitry and influence cognitive development, with a focus on its relationship with autism. Specific cerebellar zones influence neocortical substrates for social interaction, and we propose that sensitive-period disruption of such internal brain communication can account for autism's key features.

In recent decades, much neuroscience research has focused narrowly on the cerebellum's role in balance, posture, and motor control. This framework has been explored in the greatest detail in cases where input pathways convey sensory information to the cerebellum, and outputs influence motor effectors. Emerging from this program is the view that the cerebellum acts as a processor that uses a variety of inputs to guide movement.

Receiving much less emphasis has been the role of the cerebellum in higher function. This idea is not new: cognitive roles for cerebellum have been discussed since the mid-19th century (reviewed in Steinlin, 2013), with a resurgence of interest in recent years (D'Angelo and Casali, 2012; Koziol et al., 2014; Mariën et al., 2014). Evidence for cerebellar lesions leading to nonmotor deficits has come from adult cases showing subtle cognitive and affective changes (Stoodley et al., 2012), and congenital cerebellar defects, where deficits are much more pronounced (Basson and Wingate, 2013; Steinlin, 2013).

Two facts have stood in the way of wider recognition of the nonmotor aspects of cerebellar function. First, the most prominent deficits in acute cerebellar injury in adults are of a motor nature. Monitoring the short-term results of injury does not capture long-term consequences that can accumulate over time. The consequences of cerebellar deficit are highly dependent on when the outcome is assessed. Second, cerebellar connectivity is highly differentiated, and focal injury typically leads to focal deficits (Romaniella, 2012). While some cerebellar

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“

Diaschisis (from the Greek for "*shocked throughout*") is a sudden change of function in a part of the brain connected to a distant, injured area.

Definition

## DEVELOPMENTAL DIASCHISIS

# Distortion of the developing **map**.

Early stress in one place can throw off  
development somewhere else entirely.

THE PROBLEM, IN THREE WORDS

# Subluxation = Disconnection.

Interference in the communication between  
brain and body.

THE WORK, IN THREE WORDS

Chiropractic =  
Restoration of connection.

We remove the interference so the brain and  
body can communicate again.

## THE PATH OUT

# Fix the body first, in the right order

You cannot fix the brain until you support the body. Foundation, then plumbing, then electrical.

---

4

## THE CORE FOUR

# The first systems to go offline

01

## Sleep · Gut

When the storm hits, sleep and digestion are often the first to break down.

FOUNDATION

02

## Immune

Always getting sick, slow to recover. The immune system is run by the nervous system.

FOUNDATION

03

## Motor

Tone and milestones. Missed motor milestones point toward sensory, ADHD, and learning challenges.

FOUNDATION

## WHY ORDER MATTERS

# Restore the basics first

The core four (sleep, gut, immune, motor) are the foundation of neurodevelopment. **Missed motor milestones point toward sensory, ADHD, and learning challenges.** So we restore the basics first. Expecting the brain to heal while the body is still in survival mode is asking for the roof before the foundation.

ROOT CAUSE, RIGHT ORDER

Foundation, then plumbing,  
then **electrical**.

We support the root cause in a specific,  
sequential order.

## WHAT IMPROVES FIRST

# Quality of life leads

Quality of life improves first: **sleep, eating, the bathroom, haircuts, fewer meltdowns.** Then the brain has room to heal. Parents feel the daily struggles ease before they ever see the bigger changes, and that is exactly the order we expect.

● ANALOGY · THE BREAKER BOX

“

If every light in the house goes out, you do not run around replacing every bulb. You go to the *breaker box* and fix the breaker.

And if the breaker keeps flipping, the answer is not to keep flipping the switch, it is to fix the overload.

● ANALOGY · THE FEVER

“

A fever is not the enemy. It is the body turning up the heat on purpose, the same way you boil water on purpose.

We support the body's ability to adapt. We do not just silence the signal.

THE SOLUTION

# Neurologically-Focused Care at Van Every

Gentle, light-touch care that supports the nervous system from the inside out.

---

## WHY FAMILIES COME TO VAN EVERY

# The challenges parents bring us

- The focus struggles and constant motion of **ADHD**, and the meltdowns and overload of **sensory processing**.
- The worry, racing heart, and sleepless nights of **anxiety and chronic stress**.
- The inconsolable crying, gas, and reflux of **colic and infant digestive distress**.
- **Bedwetting, eczema, and growing pains** that never seemed to have a clear answer.
- Support for kids with complex needs, including **children with Down syndrome**.
- One thread runs through all of it: a nervous system stuck in stress. We support that root cause, never a cure.

## WHERE THIS FITS

# Inside-out, not outside-in

Most approaches work from the outside in: the diet, the therapy, the supplement, the medication, all good and all downstream. This works from the **inside out**, starting at the nervous system itself, the source. We are not asking you to stop the outside-in work, we are giving it a foundation to land on.

## HOW WE ADJUST

# Gentle and specific: no cracking, popping, or twisting

01

## Gentle Tonal Adjusting

A gentle, tonal, nervous-system-focused approach to the adjustment.

**LIGHT TOUCH**

02

## Koren Specific (KST)

Precise, low-force adjusting that is safe and comfortable for children of all ages, including infants.

**SPECIFIC**

03

## Ultra-Gentle for Little Ones

For babies, about the same pressure as checking a ripe tomato. No cracking or popping; many sleep right through.

**RIPE-TOMATO GENTLE**

● THE BEST LINE FOR A NERVOUS PARENT

“

We are not putting something into the child. We are helping the body *release* something it has been holding. The adjustment is neurologically pleasing, not invasive.

Gentle and specific. Safe for newborns through grandparents.

WE DON'T GUESS, WE TEST

# INSiGHT scans show it objectively

01

## Neurothermal

Shows interference and inflammation along the spine, where the nervous system is working too hard.

INTERFERENCE

02

## Surface EMG

Reads motor and neuro tone, how much energy the muscles and nerves are burning.

TONE

03

## HRV

Heart-rate variability: the balance between the vagal calm side and the sympathetic gas side.

BALANCE

WE DON'T GUESS, WE TEST

# What the scans actually look like



The colors map where the nervous system is working too hard, and the same scans, repeated over time, show the pattern moving. **We don't guess, we test.**

Van Every • We don't guess, we test.

INSIGHT SCANS · A PATTERN PARENTS REMEMBER

# Three patterns on the scan

## Raging Bull

GAS FLOORED · TANK FULL

High-energy, classic hard-charging presentation. Plenty still in the tank, the system is running hot.

GAS ▲

BRAKE ▼

## Drunken Bull

GAS ON SO LONG · TANK LOW

Things go quiet and flat: low tone, poor focus and memory. Stuck on so long it ran low.

GAS ▼

BRAKE ▼

## Raging + Drunken

GAS + BRAKE AT ONCE

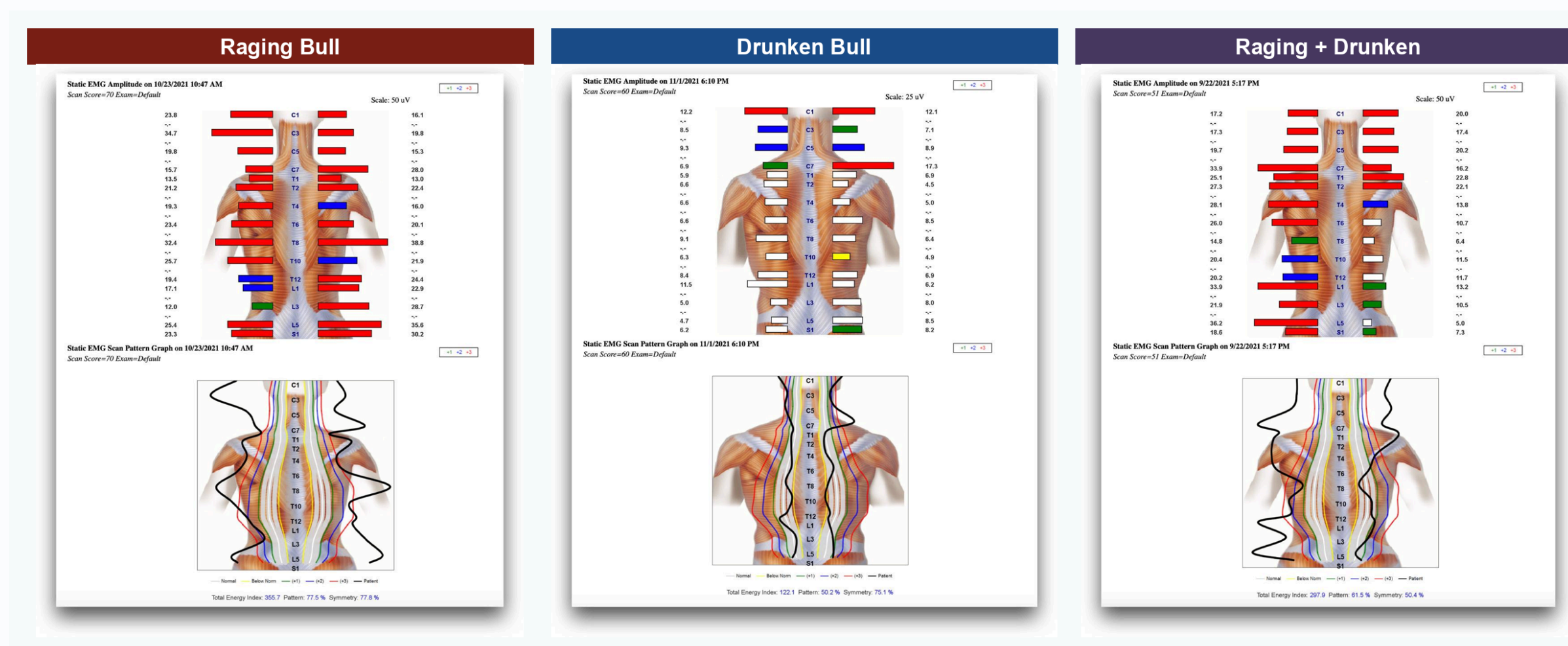
Chaos throughout the system, gas and brake pressed together. The scattered, mixed presentation.

GAS ▲

BRAKE ▲

WE DON'T GUESS, WE TEST

# The three patterns, on a real scan

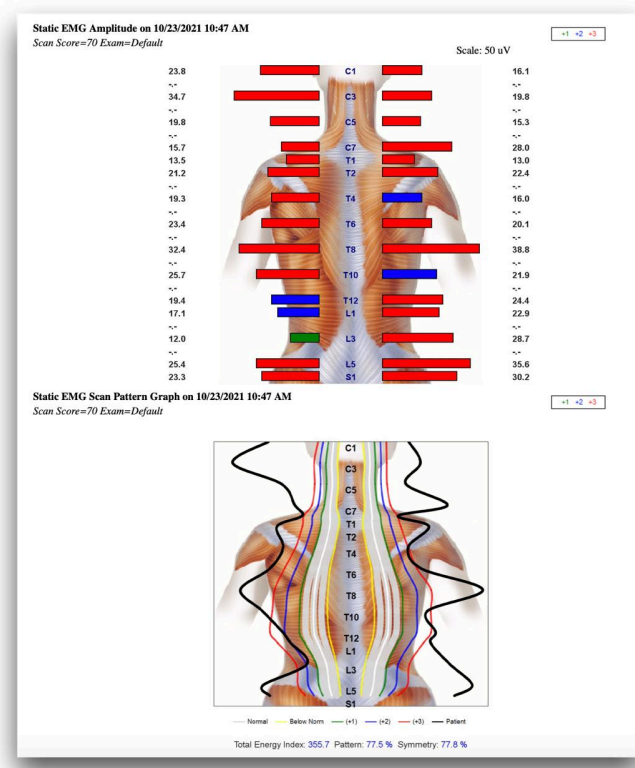


Three real surface-EMG scans, side by side. **Drunken Bull** has run the tank low, **Raging Bull** runs hot, and **Raging + Drunken** shows both at once. Parents recognize their child instantly.

## PATTERN 1 · RAGING BULL

# Gas floored, tank still full

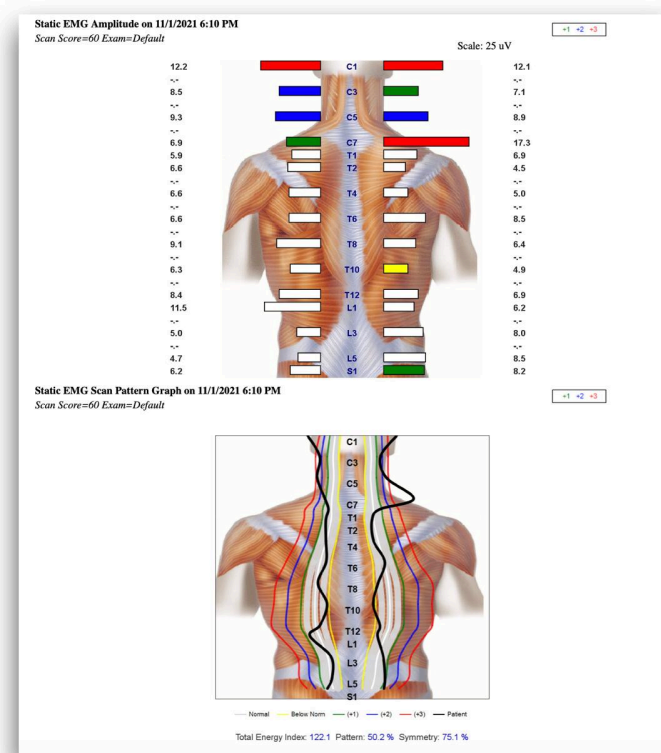
The classic high-energy, hard-charging presentation. The sympathetic gas pedal is floored and there is plenty still in the tank. These are often the kids who seem to never stop, big reactions, hard to settle, running hot.



## PATTERN 2 · DRUNKEN BULL

# The tank ran low

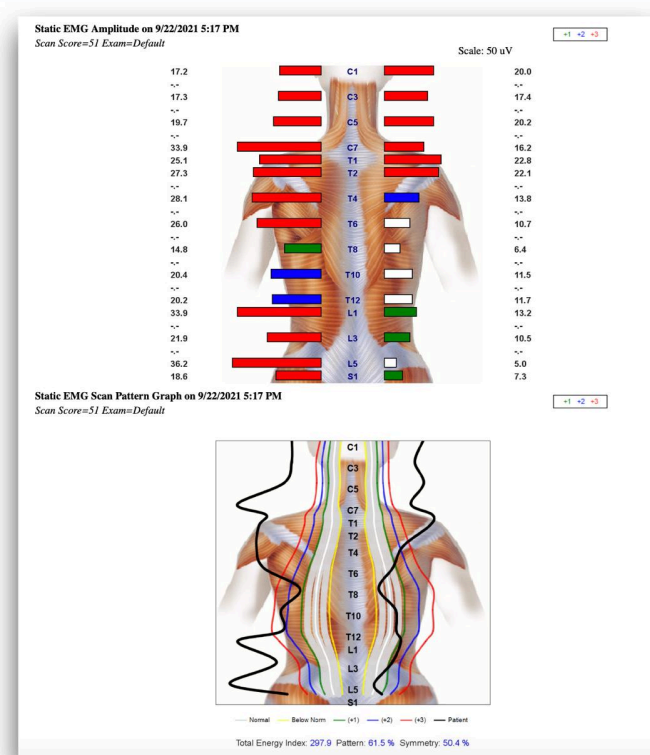
The gas has been on so long that the tank ran low, so things go quiet and flat: low tone, poor focus and memory, low engagement. These kids can be mislabeled as lazy or checked-out, when really the system is **exhausted**.



## PATTERN 3 · RAGING + DRUNKEN BULL

## Gas and brake at once

The scattered presentation: gas and brake pressed at the same time, chaos throughout the system. High reactivity in one moment, shutdown the next. A picture parents instantly recognize in their own child.



## IN THEIR OWN WORDS

# What parents and patients often report

- Calmer, more settled kids, with an easier time shifting out of stress.
- Better sleep: falling asleep more easily and staying asleep.
- Smoother digestion and fewer everyday tummy troubles.
- A greater ability to handle hard moments without melting down.
- An overall sense of more room to grow, learn, and connect.

STORIES OF HOPE

# What is possible

Real change, told honestly. Some are our patients; others are stories from the broader training world, shared as what is possible.

---



## TRUST YOUR GUT

# The sensory little boy

So touch-sensitive that a light brush felt like a punch, so he punched back. Labeled, picking fights, not invited to a single birthday party that year. His mom's gut said sensory, not autism, and she trusted it and stayed consistent with care. A neighbor who had not seen him in a year, knowing none of the story, said within seconds **"he is a different kid,"** noticing the eye contact and the clear speech. Now top of his class, and he has friends.

## GENETICS VERSUS BIRTH TRAUMA

# Weston, six weeks old

Induced a week early "because he was going to be big," then born under eight pounds. Bruised face, fast delivery, colicky and screaming from day one. After one gentle adjustment, his mom described a different baby, finally sleeping. The kicker: her oldest had an extreme birth and now has ADHD and anxiety, while the two middle kids with normal births are fine. **"Okay, why one and not the two middle?"**

## A PARENT'S OWN WORDS

# Before, and after

## Before:



- Emotional outbursts
- Sensory processing challenges
- Separated from regular classes
- Suspended from school

## After:



- Better emotional regulation 😊
- All regular education classes 🙌
- Straight A student 🔥 🙌
- Comfortable in school 🏫

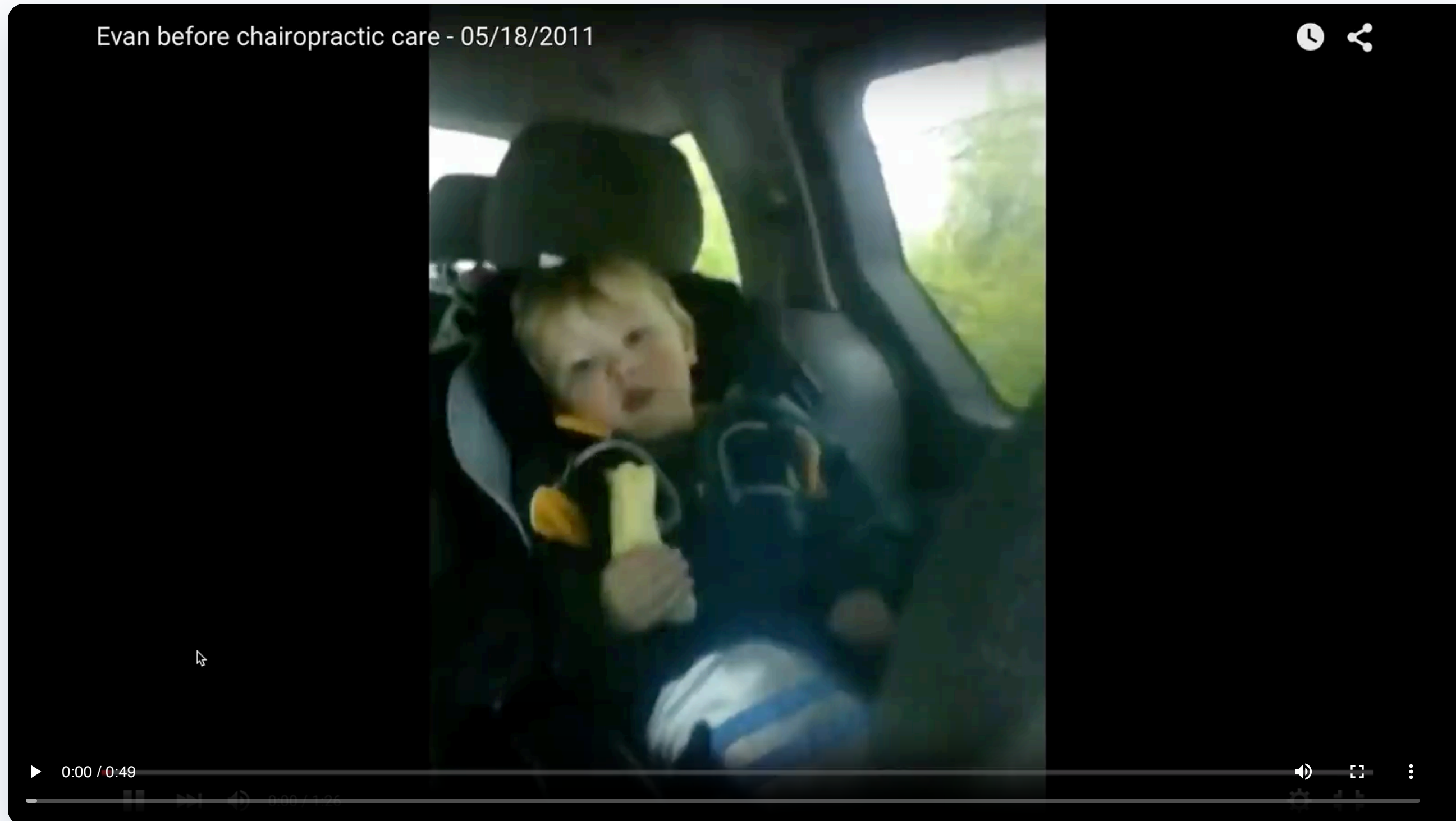
One family's own before-and-after: from emotional outbursts, sensory struggles, and separation from regular classes, to better regulation, full inclusion, and comfort in school. Shared with permission, told honestly.

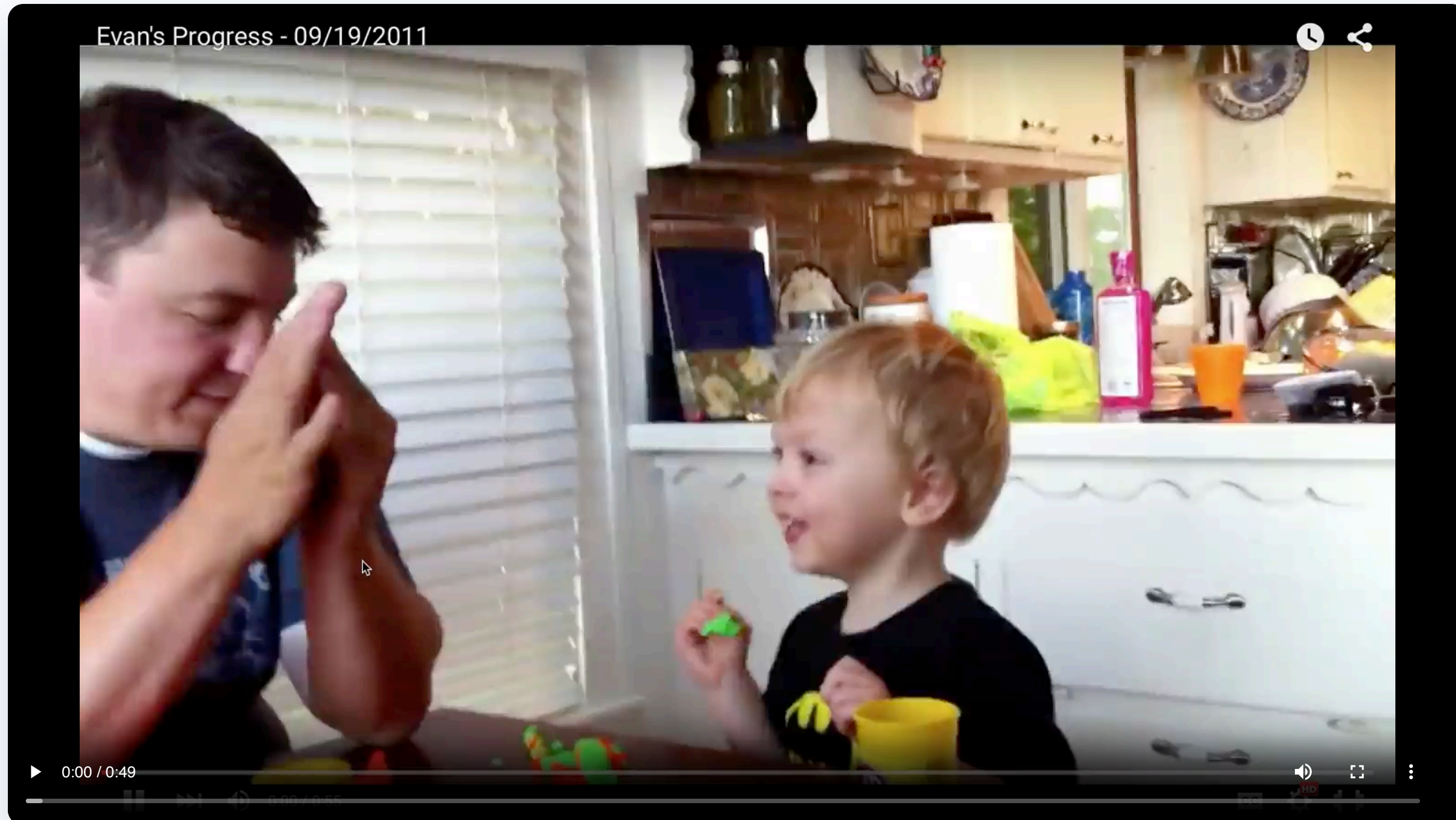
Van Every • A parent's testimonial

## WHAT IS POSSIBLE

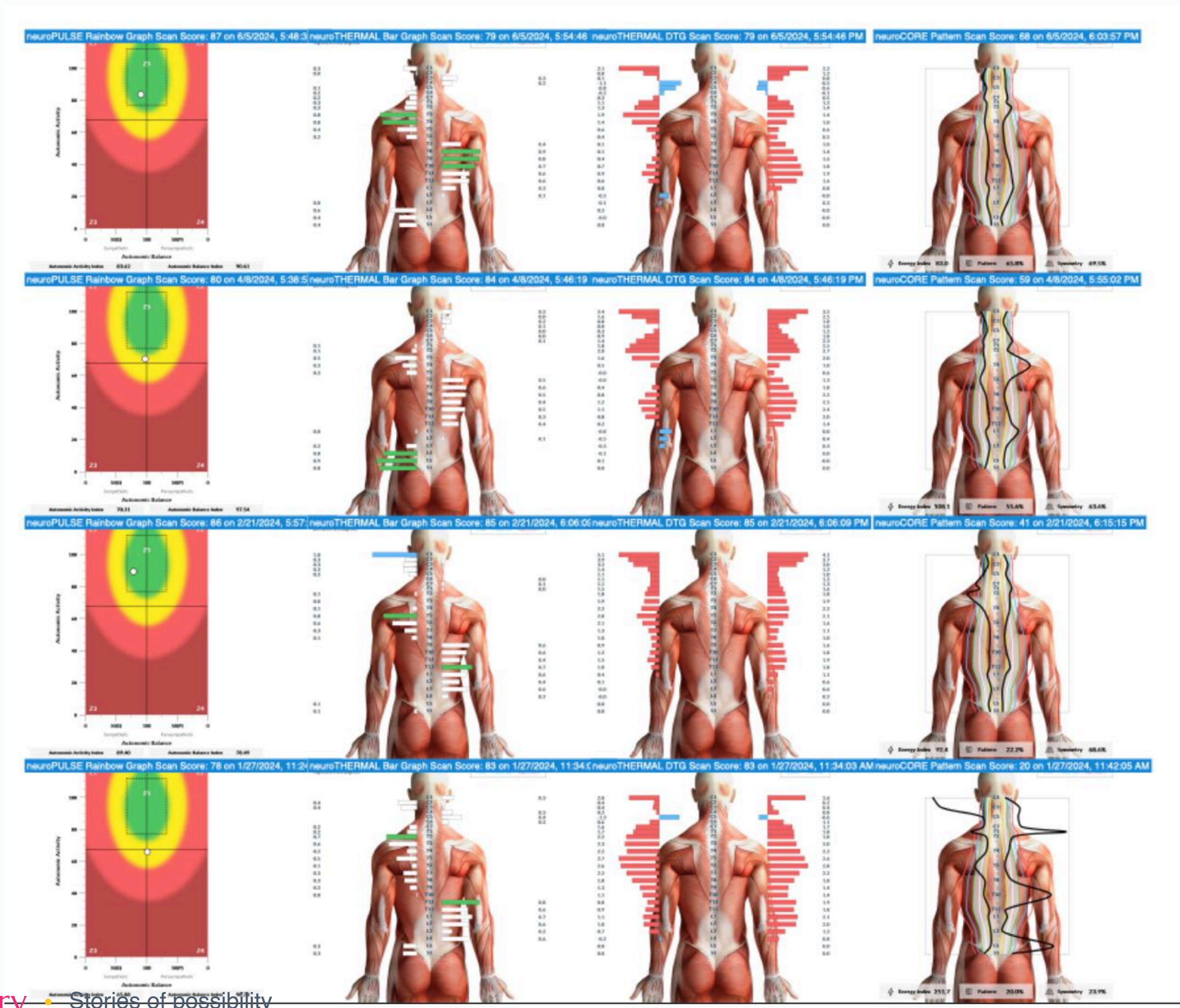
# Evan: before, and two months into **care.**

Diagnosed at three and head-banging early on,  
Evan showed real change in eye contact,  
coordination, and speech.





Van Every • Evan, about two months in



WHAT IS POSSIBLE

# Guru's story



**Guru** came in nonverbal and seizing, and saw dramatic change over a run of care. Told as a story of what is possible, never a promise. Every child and every nervous system is different.

## THE NEURO-BEFORE-CHEMICAL REFRAME

# Neuro before chemical

A bright teen, hard birth, colicky and sleepless as a baby, ended up on several psychotropic medications. A scan showed significant neurological imbalance. Under neurologically-focused care, the neurological picture changed and he was able to reduce his medications over time. The teaching point is neuro-before-chemical: address the neurology and the chemistry tends to settle.

## IN A PARENT'S WORDS

# Not a chemical imbalance, a neurological one



The bright teen, four interventions at birth and once on six psychotropic medications, came off all of them as his neurological picture changed. The reframe that family holds onto: it was never just a **chemical** imbalance, it was a **neurological** one. Shared with permission.



2/3

“

Since seeing Dr. Zach, my children have made significant gains: they are both **more regulated, happier, have stopped bedwetting, gained new words in their speech, and improved in overall communication.**

Dr. Zach uses a gentle yet effective approach that myself and my sons are comfortable with. It's easy to see the passion he has for his craft.

Dr. Zach is extremely knowledgeable, and easy to talk to. I would recommend him to anyone that wants to truly heal and live life to their full potential.

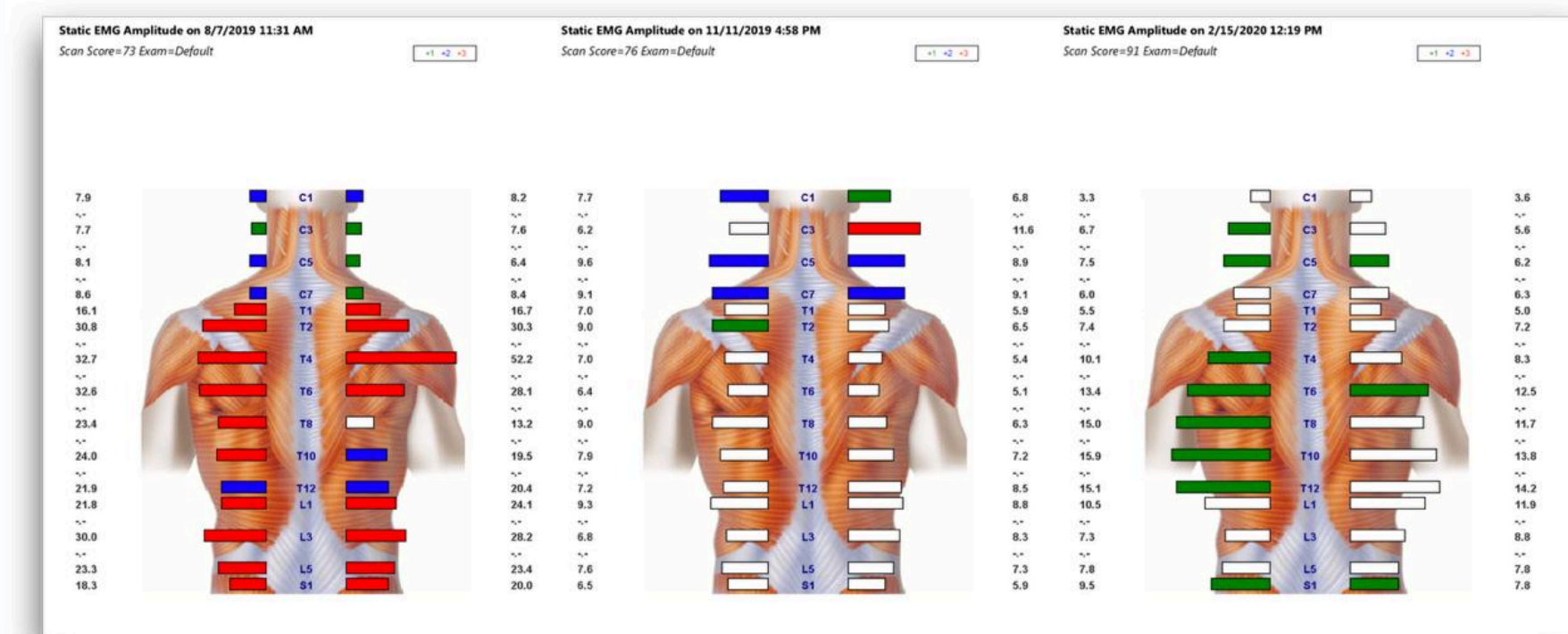
- Laura K

”



## GRADE SCHOOL

# From the storm to thriving in school



The same child, years on. What looked like emotional outbursts and a kid separated from regular classes can become a **thriving, included, straight-A student.**

## ACTION STEPS

# Your next two steps

01

## 1 · Keep seeking

Hope, Answers, Help! You are the hero in your child's story, and you are not out of options.

STEP 1

02

## 2 · Schedule

Book your child's Consult, Scans, and Report of Findings for an objective look at the nervous system.

STEP 2

03

## Reach us

Call or text 248.616.0900.  
Book online any time at [vaneverychiropractic.com](http://vaneverychiropractic.com).

248.616.0900

## ACTION STEPS

# An objective look at the nervous system



A consult, INSiGHT scans, and a Report of Findings give you a clear picture of where your child's nervous system is carrying stress, and a plan in the right order. **Call or text 248.616.0900** or book online.

## OUR 3-STEP CLINICAL PROCESS

# How we start with every family

01

## 1 · We listen

We listen and dive deep into your child's case history. The story almost always holds the pattern.

HISTORY

02

## 2 · Neuro-Sensory Scans

Neuro-Sensory Stress Scans with INSIGHT. We don't guess, we test.

INSIGHT SCANS

03

## 3 · Report + Plan

A Report of Findings and a personalized Care Plan, root cause, in the right order.

PLAN

## OUR 3-STEP CLINICAL PROCESS

# Listen, scan, then plan



Every family starts the same way: **we listen** and take a deep case history, **we scan** with INSiGHT Neuro-Sensory Stress Scans, then **we plan** with a Report of Findings and a personalized Care Plan.

GENTLE AND CHILD-FRIENDLY

# The scan itself is easy



The INSiGHT scans are non-invasive and quick, no radiation, no needles, nothing the child has to do. Most kids find it easy, even fun. It simply listens to what the nervous system is already telling us.

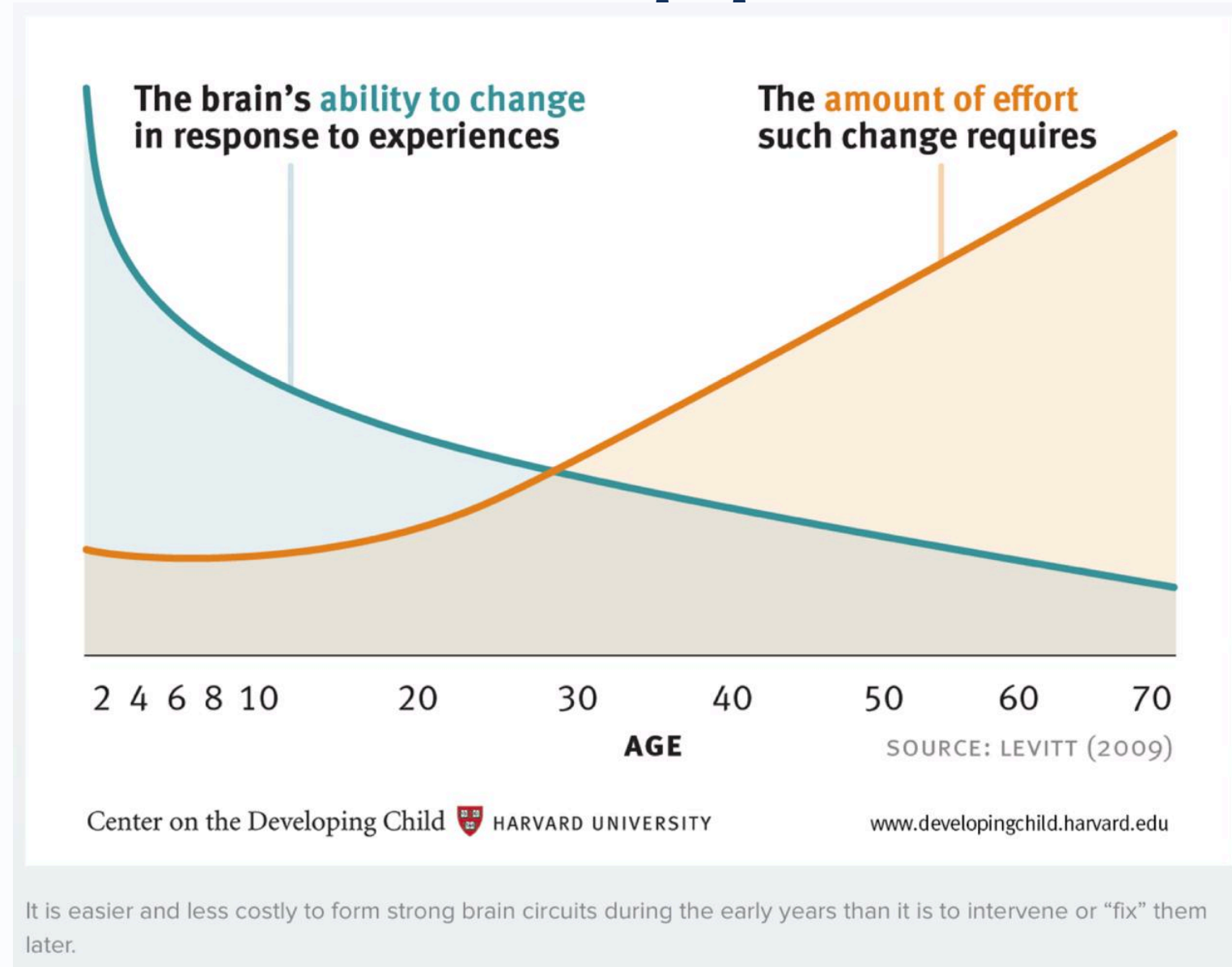
## FREQUENTLY ASKED

# Two questions parents always ask

- **How long does it take?** It depends on how much stress and how long it has been there (the algorithm). The scans guide the timeline, and quality of life usually improves first.
- **How will you ever get my sensory / spectrum kid to sit still?** We do not need them to. The care is gentle, light-touch, and meets the child where they are, on the floor, in your arms, however they are comfortable.

## FAQ · HOW LONG DOES IT TAKE?

# The earlier we support it, the easier it changes



A nervous system is most adaptable early, and change takes more time and effort the longer a pattern has been stuck on. That is why timelines vary, and why **it is never too late to start.**

FAQ • MEETING YOUR CHILD WHERE THEY ARE

# We do not need them to sit still



The care is gentle and light-touch, and it meets your child where they are, on the floor, in your arms, however they are comfortable. **No cracking, no force, no fight.**

VAN EVERY

FAMILY CHIROPRACTIC CENTER

HOPE INTO ACTION

# You are the *hero* in your child's story

Every kid can heal when we do things root cause, in the right order. Get a nervous-system-focused chiropractor on your team.

Van Every Family Chiropractic Center · Royal Oak

Call **248.616.0900** · book online

We support the root cause.