Wireless: A Key Piece of the Autism Puzzle

Peter Sullivan, MS
Autism: Genetics & Environment

Twins

- 100% Genetics
- 62% Environmental

38% Genetics

100% Environmental
Environmental Factors in Autism

Medical Risks
- Vaccine Ingredients
  - Mercury
  - Aluminum
- Ultrasound
- Prenatal Age
- Dental Amalgam Fillings
- Tylenol
- Circumcision

Chemical Toxins
- Air Pollution
- Total Toxic Load
- Mercury
- PCBs
- Glyphosate
- Toxic Metals
- Aluminum
- Lead
- GMO Food

Lifestyle
- Screen Time
  - Interactive Screen Time
  - Television
- Indoor Time
  - Circadian Rhythms
- Food Allergies
- Indoor Quality
- Sunscreen Use
- Artificial Light
- Vitamin D

Electromagnetic Fields (EMF)
- Wireless
- Ground Currents
- Electric Fields
- Dirty Electricity
- Magnetic Fields

Other Factors
- Mercury
- Ultrasound
- Tylenol
- Prenatal Age
- Indoor Time
- Sunscreen Use
- Artificial Light
- Vitamin D
- Indoor Quality
- Screen Time
- Interactive Screen Time
- Television
- Electrical Fields
- Magnetic Fields
- Dirty Electricity
- Ground Currents
- Wireless
- Total Toxic Load
- Mercury
- PCBs
- Glyphosate
- Aluminum
- Lead
- GMO Food
We Live Inside Man-made Fields
## Known Symptoms Match

### AUTISM
- De novo mutations
- Inflammation
- Calcium
- Melatonin (light)
- Increased oxidation
- Decreased immune
- Increased seizures

### EMF EXPOSURE
- Sperm damage
- Inflammation
- Calcium
- Melatonin (light)
- Increased oxidation
- Decreased immune
- Increased seizures

Autism As a State of Overload

- As a “state” and not a lifetime trait
- Many factors – total load
- This is also like a balloon with more sandbags than lift
- Not just an impact from the past, but something happening now.
Total Load – Balloon Model

**THRIVING**

**BODY**
- Melatonin
- Glutathione
- Healthy gut
- Healthy mineral balance
- Strong immune system
- Balanced physiology

**ENVIRONMENT**
- Therapeutic activities
- Sunlight
- Time in nature
- Play
- Friends
- Love

**SURVIVING**

**STUCK IN**
- Inflammation
- Gut health
- Poor nutrition
- Low minerals
- Low melatonin
- Oxidation
- Disrupted circadian rhythms
- Poor sleep
- Toxin load
- Weak immune system
- Infections

**THRIVING**

**FIGHT**
- Wireless
- Mercury
- Aluminum
- Glyphosate
- EMF
- Total toxins
- Antibiotics
- Depleted soil & food
- Tylenol
- Screen time
- Artificial light

**FLIGHT**
- Melatonin
- Glutathione
- Healthy gut
- Healthy mineral balance
- Strong immune system
- Balanced physiology

**FREEZE**
- Time in nature
- Play
- Friends
- Love

**PLAY**
- Sunlight
- Time in nature
- Play
- Friends
- Love

**LOVE**
- Melatonin
- Glutathione
- Healthy gut
- Healthy mineral balance
- Strong immune system
- Balanced physiology

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www.clearlightventures.com
Intracellular Calcium

Calcium Channel
- Voltage gated
- Genetics variations
- Tuned by metal ions (both good minerals and harmful toxins via MIDAS) and other factors

NMDA Receptor
- Glutamate
- Reward
- Addiction
- Over activated by chemical toxins

Cell Membrane
- Epigenetics
- Protect cell
- Voltage
- Lipids (fats)

Cell Danger Mode
- “Electron stealers”
- Infections, toxins
- EMF

Normal – Very Low Calcium
- Calcium is an excite signal

Excess Calcium (Ca+2)
- False signaling (EMF)
- Free radical damage
- Inflammation
- Excitotoxicity
Dr. Klinghardt’s Pilot Study (2002)
Combined Effects

• Toxic metals, Lyme (infections) & EMF (Klinghardt)
• How EMFs impair detox (Carlo)
  – Cell Danger Mode (Naviaux)
• EMFs can open the blood brain barrier
• Toxic metals and EMF
  – Cause, effect or both?
  – EMF reduction before detox
Fight or Flight Mode

- EMF exposure promotes fight or flight response
  - Body releases energy to fight/flight - more stimming
  - Autism runaways

- Fight or flight causes further inflammation
  - Body becomes pro-inflammatory
  - Non-critical functions are de-prioritized or turned off to save energy: detox, digestion, repair, growth
  - Reduced detox will increase toxic load and compound the cycle of inflammation and overload
The Autism Puzzle

- Genetics
- Wireless & EMF
- Physiology
- Chemical Toxins
What Can We Do?

• Rollback to previously known good states
• Denial and “Merchant of Doubt” tactics
  – Promote confusion and delay action
• Take Action to Reduce Exposures
  – Some of our exposure is out of our control
  – The closest sources have the greatest impact
  – We control the closest sources in our homes
What You Can Do Today

• A simple, fast and free protocol
• Dr. Jelter’s Calming Protocol
  – Turn off at night (12 hrs.) for a 2 week trial:
    • Baby monitors
    • Cell phones and tablets (in the bedroom)
    • Cordless phone base stations
    • Wi-Fi
    • Bedroom circuit breakers
What to Expect

• More than 80% of children improve
  – Most show slow improvement over period of months
  – About 10% show rapid improvement (within days)

• Remaining 20% may be because of a complex EMF issue or other factors
  – EMF may still be an issue
  – Multiple loads may need to be lifted
  – If you don’t at first notice a change, you may notice a regression if you go back to your previous levels of EMF
### Wireless Safety

<table>
<thead>
<tr>
<th>Sources</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baby Monitor</td>
<td>- Turn off</td>
</tr>
<tr>
<td></td>
<td>- Move far away from child</td>
</tr>
<tr>
<td>Wi-Fi Router</td>
<td>- Replace with wired Ethernet</td>
</tr>
<tr>
<td></td>
<td>- Turn on only when needed</td>
</tr>
<tr>
<td></td>
<td>- Turn off at night</td>
</tr>
<tr>
<td>Cordless Phone</td>
<td>- Replace with cored phone</td>
</tr>
<tr>
<td></td>
<td>- Turn off main base station at night (unplug or timer)</td>
</tr>
<tr>
<td>Cell Phone</td>
<td>- Turn Off</td>
</tr>
<tr>
<td></td>
<td>- Use airplane mode</td>
</tr>
<tr>
<td></td>
<td>- Carry and use away from body and head</td>
</tr>
<tr>
<td>Laptop</td>
<td>- Use Ethernet cable and turn off Wi-Fi and Bluetooth</td>
</tr>
<tr>
<td></td>
<td>- Move off lap to table top</td>
</tr>
<tr>
<td>iPad/Tablet</td>
<td>- Use Ethernet cable and turn off Wi-Fi and Bluetooth</td>
</tr>
<tr>
<td>Smart Meter</td>
<td>- Opt-out, use analog meter</td>
</tr>
<tr>
<td></td>
<td>- Shield from wireless signal</td>
</tr>
</tbody>
</table>

**Safe**  |  **Reduced Exposure**

### Wireless Health Effects

- Sperm Damage
- Insomnia
- Ringing in Ears
- Anxiety
- Headaches
- Attention Problems
- Memory Problems
- And more...

### References

2. Bibliography of Reported Biological Phenomena ('Effects') and Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation - US Navy (1972)
3. Pall, Martin L. “Microwave frequency electromagnetic fields (EMFs) produce widespread neuropsychiatric effects including depression.” Journal of chemical neuroanatomy (2015).
5. Overpowered: The Dangers of Electromagnetic Radiation (EMF) and What You Can Do about It, Martin Blank, Ph.D (2014)

For more details: clearlightventures.com/wirelesscard
What People Experience

• “We are all sleeping better…”
• “My head feels different…clearer”
• “My ears stopped ringing”
• “The room feels cooler now”
• “It feels like there is less pressure”
• “My skin feels less prickly”

Clear Light Ventures - Wireless Clean Room
References and Support

• This talk: clv.us/wirelesskey2018

• Simplifying Autism
  Improvement and Recovery
    – clv.us/autism-simple

• Autism and Your Home
    – clv.us/autism-home

• Facebook.com/groups/AutismEMF
Our Family’s Story

• Stacy and Peter with Max (4) and Jack (6) - 2003

• Goal – just wanted the kids to reach their potential.
Today

- Jack (21) just graduated UC Berkeley – graduate school
- Max (19) will be a sophomore at UC Berkeley studying data science
- I’m back to a healthy weight and sleeping well
- Autism is a distant memory—all is well
- I want this for every child and family currently living with autism