Holistic Approach to Immune Malfunction for Autism

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Three Major Systems Affected

Nervous system

- Hypoperfusion (lack of circulation) in Brain Spect
 Neuroinflammation (depletion of nutrients and oxygen)
- Neurotoxins and Blood-Brain Barrier disruption
- Digestive system Food indigestion/intolerance
- Candida/bacteria/parasite (tissue damage and toxins) Leaky Gut (toxin recycling and nutrient mal-absorption)
- Immune system
- Allergies, sensitivities and autoimmune responses
 Frequent infections

Biomedical Treatment for Autism

- Detoxification protocol
 - Liver support and detoxification therapy Antioxidant and anti-inflammation therapy
 - Chelation for heavy metals
- Digestive protocol
- GF/CF, low sugar and other special diet plans Digestive enzymes and probiotics
- Candida, bacteria and parasite treatment
- Nutritional supplementation
 - Mineral, vitamin and amino acid

The Missing Links

- Malfunction of the immune system Allergies, sensitivities and autoimmune inflammatory response
 - Chronic infections and associated autoimmune response (Lyme disease and PANDAS)
- Slow healing ability
 - Fatigued Hypothalamus-Pituitary-Adrenal (HPA) system
 - Low cellular energy and chaotic cellular communication
 - Slow metabolism and regeneration

T-Helper Cell Differentiation and Regulation APC + Antigen -> IFNy IL-12 (p35/p40) Cellular immunity (Macrophage, CD8, NK) Thp - IL-4 Th2 / IL-6, 1, 21+ IL-2+TGFβ TGFβ → IL-4, 5, 13 Humoral immunity, Allergy → IL-17A, IL-17F, IL-21, 22, 26, G-CSF, TNFα Th17 IL-23 (p19/p40) Treg Inflammation → TGFβ Immune suppression Gaffen & Hajishengallis, J Dent Res 87(9) 2008

Recent Research on Autism (1)

- Inflammatory immune response
 - Neuroinflatory infinite response
 Neuroinflatmation in creatial cortex, while matter and
 crebellum with a pro-inflammatory cytokine increase of
 MCP-1 and TGFp1 (Vargas DL et al. 2005)
 Encreased pro-inflammatory cytokines TNF-2, IL-6 and
 BCL2 in lymphoblasts (Malik M et al. 2011)
- DECEMPTING AND A CONTRACT OF A
- Mast cell activation contribute to Gut-Blood-Brain Barrier disruption and brain inflammation (Theoharides TC et al. 2009)

Recent Research on Autism (2)

- Autoimmunity
 - Autoantibodies to cerebellum protein found in children with autism associate with behavior severity (Goines P et al. 2011)
 - Autoantibodies to Golgi cells of cerebellum detected in plasma of subjects with ASD (Wills S et al. 2009)
 - Higher rate of anti-nuclear antibodies in children with ASD (Mostafa and Kitchener 2009)
 - Serum anti-myelin-associated glycoprotein antibodies found in children with ASD (Mostafa GA et al. 2008)
 Autistic children have reduced level of IgG and IgM, which

 - correlates with behavioral severity, suggesting underlying defect of immune function (Heuer L 2008) Autistic children harbored anti-brain-melin-basic-protein antibodies and elevated level of antibodies to measles (Singh VK 2009)

Recent Research on Autism (3)

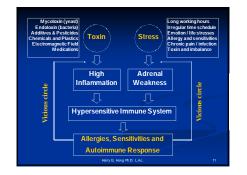
- Infection and mercury, are they the triggers for autoimmunity?
 DNA evidence for Mycoplasma, Chlamydia and HHV-6 co-infections in the blood of ASD children (Nicolson et al. 2007)
- DNA evidence for poly-viral infection of CMV, EB virus, HSV-1 and 2, HHV-6, BK virus, JC virus and SV-40 in brain tissue from autistic children (Lintas C 2010)
- From aussic children (Linias C 2010) Positive correlation in studies with ASD for Borrelia burgdorferi (22%, 26% and 0-30%) and mycoplasma (58%), suggesting Lyme plays a role in autism pathogenesis (Bransfield et al. 2008) Mercury decreases detoxification capacity, inhibits methionine synthetase activity, increases coldative stress and decreases glutathione level (Mutter J et al. 2005)
- Mercury stimulates VEGF and IL-6 release from mast cell and may disrupt Blood-Brain Barrier, lead to brain inflammation (Kempuraj D et al. 2010)

Factors Involved in Pathogenesis of Autism

- Neuroinflammatory autoimmune responses Blood-Brain Barrier disturbance by neuroinflammation Increased oxidative stress, suppressed methionine synthetase and decrease glutathione level
- Neurotoxin (heavy metal) possibly triggers autoimmunity Vaccination (thimerosal, live virus or possibly immune stress) Gastrointestinal dysfunction (dysbiosis and Gut-Blood Barrier disturbance or Leaky Gut)
- disturbance or Leaky Gut) Allergy, ensitivity and food intolerance Infections (chronic Lyme disease, co-infection and PANDAS) Genetic predisposition (mutated genes relevant to liver detoxification, nervous system and immune system) Prenatal exposure of toxins and infections as well as maternal autoantibody attack to the felat brain proteins Mitochondria dysfunction (possible autoimmune attack)

Challenges in Treating Immune Malfunction in Autism

- Lack of understanding of pathogenesis of autism Many subsets of immune dysfunction that may require different treatment plan
- Lack of reliable biomarker to identify the problem
- Difficult in addressing immune malfunction with
- current supplementation approach Clinical allergy and sensitivity towards supplements





Characteristics of Chaotic Stage

- Chaotic cellular signal communications

 - High toxicityHigh allergy and sensitivity
 - High inflammatory autoimmune response
 - Low cellular energy/metabolism/regeneration
 - Imbalance of cytokines, NT and hormones due to immune response and polarity switch
- Limited response to any treatment protocols

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- Adverse or allergic response to therapies

Energetic Approach to Chaotic Stage

- Energetic testing for meridian imbalance, immune response, allergy and sensitivity using Electroacupuncture According to Voll (EAV) or Electrodermal Screening (EDS)
- Balance meridian and recharge cellular energy with complex homeopathy and herbs
- Reprogram immune system, desensitize allergy and restore cellular communications with Immune System Reprogramming (ISR)

Electrodermal Screening (EDS)

- Computerized non-invasive skin conductivity test with customized testing protocol Tests for meridian balance and
- the remedies that balance the imbalanced meridians Tests for sensitivities and
- pinpoints specific blockages and immune responses Automatic system, fast, non-
- invasive and perfect for testing children



Modern Homeopathy

- Three hundred year old European healing technique
- Highly diluted remedy with energy signature but no chemicals (energy medicine or information medicine)
- Promote body's own healing ability Toxin and pathogen specific detoxification (nosode)
- Support drainage pathways to avoid Ping Pong Effect
- Allergy desensitization with specific potency of allergen
- Tissue or molecule specific balancing (sarcode)
- Organ and tissue regeneration

Immune System Reprogramming

- A back tapping technique originated from NAET, allergy desensitization
 What does the tapping do?
 Energetic therapy combining acupuncture and homeopathy to stimulate back acupuncture points and resolves energy blockages
- points and resolves energy-blockages
 Perfect for children with no side effect and non-invasive
- Home treatment kit with instructions and children loves the tapping



- Individualized Body-Mind Therapy
- Chaotic Stage (1sr layer, 3-6 months) Address allergies, sensitivities and inflammation
- Recharge cellular energy, correct chaotic communication
- Detoxification Stage (2nd layer)
 Intestinal Candida, parasite, bacterial toxins
- Liver and kidney support, toxin-specific detoxification
- Chronic infections (chronic Lyme disease and PADANS) Emotional problems and structural issues
- Regeneration Stage (3rd layer)

 Help to recover adrenal system and support metabolism
- Gut-Blood-Brain-Barrier and brain tissue regeneration
- Multiple modalities to reach synergetic effect

The Cycle of Candida and Leaky Gut

	Adverse Toxins	Deficiency of nutrients
Û	Neurotoxins Recurrent Infections	Immune defect
Candida Immune Toxins glotoxin	Antibiotic resistant Bacteria Clostridia	Nasal and ear congestion
	Krebs cycle Candida Overgrowth	Increased food Allergies (IgG/E)
	Absorption of Peptides with Opiate activity S Leaky Gut	L/ Absorption of Partially digested food

Chronic Hidden Infections

- Eyrne Disease
 A tick-borne bacterial infection called Borrelia burgdorferi
 Chronic Lyme Disease or Post Lyme Syndrome
 Antibiotic resistant with co-infections, Epstein Barr virus and
 mycoplasma
 Pediatric Autoimmune Neuropsychiatric Disorders
 Associated with Streptococcal infections (PANIDAS)
 Obsessive-Computive Disorder (OCD) and tic disorder
 following streptococcal infection
 Possible autoimmune reaction to neurons
 IBMT addresses the infection issue with homeopathy,
 herbs, enzyme therapy and Pulsed Electromagnetic
 Field (PEMF)

Larry's Case (1)

- Larry, born in March 2000, diagnosed with PDD History:
- History:
 Diarrhea for half a year after MMR vaccination around 18 month indigetion, bloating and irregular bowet movement, better after CF/CF diet and digestive enzymes
 Server altergies with skin eczema and mild asthma, treated with altergy shot and NAET, but couldn't solve the root issue, also has family history of altergia, faking only short sentences without conversation, don't follow instructions, OCD and hyperactive, emotional, anxious and easily irritated, no social desire, limited learning ability, disturbed skeping
 Larry started my treatment from age of 5

Larry's Case (2)

- During treatment, symptoms gradually under control:

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 Angeine sensitivities reduced, digestion improved, sleeping, the sensitivities reduced, digestion improved, sleeping, the sensitivities reduced, digestion improved, sleeping, the sensitivities and intraduced, sleeping, the sensitivities and intraduced, sleeping, the sensitivity of the sensity of the sensitivity of the sensitivity of the sensitivity of

Final Words

- Immune malfunction and stressed cellular energy are the missing links in the treatment of autism
- IBMT is a holistic all-natural program addressing these issues and is complementary to Biomedical therapies
- IBMT addresses the issues with synergetic combination of energy testing, homeopathy, Chinese medicine, allergy desensitization, nutritional supplementations and is non-invasive and children friendly
- After IBMT, patients generally respond to other therapies much more effectively