Autism and Electromagnetic Radiation (EMR)

What is EMR?

Electro-Magnetic Radiation is a form of energy that travels in waves. From the 1950s, the world underwent an electromagnetic revolution and many frequencies were used for radio & TV broadcasting, radar, mobile phones and a variety of wireless devices that work on microwave technology. After decades of use, scientists have reported that this form of energy has unwanted side effects. The Council of Europe has concluded that immediate action is required to protect children from the potential harmful effects of these technologies under the ‘precautionary principle’ of ‘Do no harm’!

Wireless devices in the home constantly emit microwave radiation resulting in the same level inside the home as from a phone mast antenna outside the home.

What are the effects on all children and children with Autism?

International Guidelines were set up by the ICNIRP in 1977 which are only intended to protect against short term heating of body tissue by mobile phone use i.e. 6 min, and not to prevent any ‘biological’ effects e.g. cancer as a result of long term exposure 24/7. They specifically state this. There are 1000’s of independent scientific studies from around the world showing adverse health effects at exposure below these guidelines (Dr. Magda Havas 2010).

A child’s brain is essentially a blank canvas, going through an intense period of learning to become aware of sensory inputs. Neurons in the brain make countless new connections and learnt skills are stored. EMR exposure can cause the production of too many spurious connections and the breakdown of intercellular communication. Random connections will not be pruned even though they may not make sense. Defective hardwiring is descriptive of children on the Autistic spectrum (Huttenlocher & Dbholkar 1997, Hill & Firth 2003).

The incidence of Autism has grown in the last 15 years, hand in hand with this new technology. One of the only known studies on radiation effects directly on children was done in Latvia and found that children living in front of a mobile phone antenna had less developed memory and attention, their reaction time was slower and their neuromuscular apparatus endurance was decreased (A. Kolodynski and V. Kolodysnska 1999).

Symptoms

The early warning symptoms of EMR on your body include, sleep disturbances, migraines, headaches, fatigue, shortness of breath, lethargy, heart palpitations, tinnitus, difficulty keeping focus, attention deficits, short term memory lapses, dizziness, fainting spells, loss of appetite, persistent diarrhoea or constipation, gut dysbiosis, overgrowth of fungus, unusual severe allergy reactions, extreme sensitivity to sunlight & noises…the list goes on. EMR is linked to brain degenerative disorders like Alzheimer’s, ADHD, childhood and adult Leukaemia, abnormal cell growth and damage to cellular DNA, eye cancer, anxiety, irritability, illnesses like depression, immune system suppression, endocrine, gastrointestinal & reproductive disorders, compromised efficacy of medical & therapeutic interventions towards recovery.

Cell Membranes

Phospholipids which make up cell membranes are low in autistic patients (Bruce Vickery 2007). When EMR waves resonate with cell membrane vibration receptors, they trigger a protective and sympathetic response from the cells, which is chronic and causes a biological cascade of effects at cellular levels that includes a decrease in cell membrane permeability leading to cellular energy depletion, intra-cellular build up of free radicals and cellular metabolic inefficiencies.
Calcium Leakage

Ady 1981 & Blackman 1979 showed that weak radiation used by microwaves is very dangerous as it releases calcium ions from the cell membranes thus weakening them so they are more likely to tear and develop holes. Positive ions such as calcium, because of their double charge, are more easily removed from the negatively charged membrane by weak alternating fields (Steck et al. 1970, Lew et al. 1998, Ha 2001). Some of the consequences of leaky cell membranes are Cardiac Arrhythmia, effects on skin, opening of the blood brain barrier, allergies, nervous tissue damage.

Sensory Issues

Dr. Andrew Goldsworthy (2009 Imperial College) has researched sensory issues experienced by children with autism linked to defective sensory cell membranes. The membranes fail to ‘deliberately’ leak ions that short circuit the natural electrical potentials across them, triggering the sending of nerve impulses to the brain. Sensory messages are confused, giving false feelings of heat, touch, pressure, crawling sensations, pins & needles, pain, tinnitus and balance control (Eltiti et al. 2007).

DNA Damage

When intercellular communication is disrupted cells are unable to work together as tissue, organ and organ systems. As waste products become trapped inside cells, free radical damage increases & interferes with DNA repair and genetic transcription, leading to the formation of abnormal genetic cell forms. When the burden becomes intolerable to the cell, the process of apoptosis or programmed cell death facilitates the cloning of the new abnormal genetic cell proliferation and consequent tumour development. Double strand DNA breaks have been reported on exposure to EMR by Prof. Lai in 1995-96 & Europe wide REFLEX project, 2004. Exposed parents pass on corrupted DNA to the next generation.

Detoxification-Heavy Metals

Autism is believed to be associated with heavy metal toxicity, sustained through mercury containing vaccines. Heavy metals in the brain will act as an antenna receptor in an EMR environment, exacerbating the toxic effects of heavy metals by closing down cell membranes & trapping metals within cells. (Maria & Carlo, Australasian Journal of Clinical Environmental Medicine, Nov 2007.) Dr. Carlo’s pilot study showed that chelation of heavy metals slowed in an EMR environment and accelerated in an EMR free environment.

Blood Brain Barrier

is a layer of tissue between the blood system and the brain protecting it from toxic substances. EMR exposure makes this layer leak so toxins can more easily enter the brain and cause brain damage. Persson et al. (1997) reported an increase in the permeability of the blood-brain barrier in exposed mice as did Salford in 2003 with rats.

Melatonin

deficiencies will disrupt sleep. Various lab studies have found melatonin production suppressed under exposure to microwaves, (Burch 2002 & Jarupat 2003). The most significant experiment on humans living in the vicinity of phone masts by Vogt (2004) found blood samples showing melatonin levels decreased by up to 87% after only 6 months exposure.

Neurotransmitters

Radiation is one of the toxins inducing neurotransmitter imbalances disturbing their regulation. The result is that cell communication fails. (Richard Holding, May 2011)

Authors: Beyond WiFi

facebook.com/beyond.wifi
twitter.com/healthlight

Contact:

Tel: +44 (0)116 267 6599
www.bioprotectivesystems.com
info@bioprotectivesystems.com

In order to consciously handle and live with radiation BIO PROTECTIVE SYSTEMS provides a comprehensive product line for different needs and applications. All products have been tried and tested over many years and are developed and manufactured in Germany by BAUER BIOTEC. GREEN 8 GOLDB® products are recommended by therapists, homeopaths, health advisors and physicians in 14 countries around the globe and used by individuals who want to improve their quality of life with positive energy.