



**SDI FINAL EVALUATION FORM 1.1**

**PART 1:**

Journal Name:	<a href="#">Advances in Research</a>
Manuscript Number:	Ms_AIR_19602
Title of the Manuscript:	The Faroe, Oerkney and Sardinia islands are pointing the dielectrophoretic force in the etiology of multiple sclerosis
Type of the Article	Original Research Article

**PART 2:**

FINAL EVALUATOR’S comments on revised paper (if any)	Authors’ response to final evaluator’s comments
<p>The author has not corrected his English context making his scientific explanations difficult to understand. His grasp of MS clinical activity, neuropath (e.g. neuronal apoptosis now considered as important as myelin loss and perhaps more so in regard to progressive disability) and neurophys is too basic leaving an unacceptable gap between known pathology and the questionable involvement of the dielectrophoretic force (never fully defined here)/magnetic field effects in its aetiology. His knowledge of clinical MS is also very basic, e.g. serial MRI scans within the same week usually show improvement of the acute pathological lesions rather than further generation of lesions as suggested, which the author appears to state could result from the MRI magnetic field introduction; and of course multiple pulses of magnetic fields during transcranial magnetic stimulation to produce action potentials has never been associated with MS lesion production. Also I am unaware of MBP increasing in CSF after MRIs? As to his graphs of thunderstorms and MS incidence, there is little correlation e.g MS incidence high in north America where thunderstorms are quite plentiful especially io some southern US states with high MS incidence! This paper needs major re-evaluation by the author hopefully with an English speaking MS expert before any further consideration for publication, and of course a tighter explained hypothesis to connect his DEF with known immunopathology.</p>	<p>Thanks again the contribution of the referee. I have corrected English context. Referee may be right about that I'm not a clinician. Sometimes, MRI may provide the transport of previously formed plaque to another location. Patients can relax. This situation denotes rightfulness of referee, as well as my hypotheses are such as to accuracy. I thank the referee for this review.</p> <p>Clinicians interpret the evaluation, the findings and conclusions of any observation by using the existing technologies and their experiences. The study, over many years, engineering and medicine is the product of an interdisciplinary study. In the study, it was complied with the principles of scientific research.</p> <p>The graphs of the electromagnetic fields generated by the MRI was carried out using the Maxwell's theory, the truthful parameters of dispersive values of the biological media. The same procedures can be applied in the nano and micro dimensions. Also MBP, tau cells and other particles separated from nerve cells in the brain and the spinal cord has been added to the article as a summary describing the collection mechanisms in certain areas.</p> <p>“Multiple Sclerosis: correlation of magnetic resonance imagingwith cerebrospinal fluid findings” Journal of neurology, Neurosurgery, and Phychiatry 1988;51:277-280</p> <p>Huggins H A, Levy T E. Cerebrospinal fluid protein changes in Multiple Sclerosis after dental amalgam removal, Altern Med Rev 1998;3(4):295-300.</p> <p>Nittby H, Widegren B, Krogh M, Grafström G, Berlin H, Rhen G, Eberhardt J L, Malmgren L, Persson B R R, and Salford L. Exposure to radiation from global system for mobile communications at 1,800 MHz significantly changes gene expression in rat hippocampus and cortex. Environmentalist. 2008a; 28(4): 458-65.</p> <p>Nittby H, Grafström G, Tian D P, Malmgren L, Brun A, Persson B R R, Salford L, and Eberhardt J L. Cognitive impairment in rats after long-term exposure to GSM-900 mobile phone radiation. Bioelectromagnetics 2008b; 29: 219-32.</p> <p>Nittby H, Brun A, Eberhardt J L, Malmgren L, Persson B R R, and Salford L. Increased blood-brain barrier permeability in mammalian brain 7 days after exposure to the radiation from a GSM-900 mobile phone. Pathophysiology 2009a; 16(2-3): 103-12</p> <p>Salford L G, Brun A, Sturesson K, Eberhardt J L, and Persson B R. Permeability of the blood-brain barrier induced by 915 MHz electromagnetic radiation, continuous wave and modulated at 8, 16, 50, and 200 Hz. Microsc Res Tech 1994; 27(6):535-42.</p> <p>Salford L G, Brun A E, Eberhardt J L, Malmgren L and Persson B R R. Nerve cell damage in mammalian brain after exposure to microwaves from GSM mobile phones. Env Health Persp 2003; 111(7): 881-3.</p> <p>Westland K W, Pollard J D, Sander S, Bonner J G, Linington C and McLeod JG, Activated non-neurol</p>



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	<p>specific T cells open the blood-brain barrier to circulating antibodies, Brain 1999; 122: 1283-91.</p> <p>Wootla B, Eriguchi M, and Rodriguez M, Is Multiple Sclerosis an Autoimmune Disease?, Autoimmune Diseases 2012, Article ID 969657, 12 Pages. (doi:10.1155/2012/969657)</p> <p>The graphs associated with MS disease and the number of lightning does not show one hundred percent a correlation between them. The factors that altering an artificial electromagnetic field sources, the natural electromagnetic field sources and the environmental electromagnetic field distribution of underground and surface structures, topography .... are effective factors. This article aims to it.</p>
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