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Where Knowledge Resides

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The aim of the research is to determine whether there was synergism between mobile phone exposure and higher release and accumulation of mercury in tissues of the individuals with amalgam fillings. For this purpose, the computer electro-magnetic simulation and the Bi-Digital O-Ring Test (BDORT) method were used. For the electro-magnetic simulation, the FIT method (Finite Integration technique - numerical simulation method for calculation elelctromagnentic fields in space, expecialy in body) was used and the results of the electric field and Specific absorption rate (SAR) in the tooth model with and without amalgam fillings were obtained. Specific absorption rate is a measure of the rate at which energy is absorbed by the human body when exposed to a radio frequency (RF) electromagnetic field. It is dose for absorbed electromagnetic radiation which is dependent on frequency and can be associated with the adverse effect of tissue heating. Standards indicate SAR values that should not be exceeded. The numerical result of absorption electro-magnetic energy shows increased value of the electric field, magnetic field, induced currents and SAR in teeth with fillings. These results indicated the possible explanation of the increased release mechanism of the mercury (Hg) when using mobile phones. The Bi-Digital O-Ring Test method tested the levels of mercury in the body, liver, and urine in a group of examinees who had amalgam fillings and used cell phones. By using indirect BDORT we examined groups of examinees 10 with and 10 examinees without amalgam fillings. By using BDORT we measaured level ofHg in the body and urin samples in all examinees before exposure to electromagnetic fields (EMFs) of mobile phone and after 15 minutes of exposure of mobile phone EMF. The results showed significantly higher level of Hg in urin after exposure of EMF of mobile phone, only in a group of examinees with amalgam fillings. The results showed significant matches with some published papers by other researchers. These effects might cause potential organism disorders and represent secondary harmful effects of electro-magnetic radiation on the health of individuals. This approach throws a new light in clarifying the interplay of cellular electro-magnetic radiation and increased the release of mercury from the amalgam fillings. Increased toxic effects are imposed by themselves as possible.

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Breast cancer is the most frequently diagnosed malignancy among women worldwide. There are many risk factors for breast carcinoma, such as genetics, Electro Magnetic Field Radiation (EMFs), the presence of human papillomaviruses (HPV), BRCA mutations, low vitamin D level, and toxins. The risk of developing ovarian metastases increases with the passage of time after the breast cancer diagnosis, and there are significant links between the tumor stage and the development of ovarian metastases (expressed Mammoglobin B). Because there is no screening test for ovarian cancer proven to be effective, women need to learn about their personal risk for developing ovarian cancer. This is especially true for the women already diagnosed with breast cancer, who should make sure if they are at risk for ovarian cancer. By using BiDigital O-Ring Test (BDORT), originated by Prof. Omura, we can detect a lot of risk factors contributing to the risk for ovarian cancer, such as the presence ofHPV in the ovary, exposure to EMFs, food intolerance, low level oftelomeres, the presence of Borrelia Burgdorferi (BB), Tuberculosis (TB) etc. A high level of HPV 16 in the ovary that is located on the same side as breast cancer could be detected, in addition to a high level of Integrin aSpl, as a marker of carcinogenesis. The cervix region infected by HPV is connected with the presence of HPV on both breasts, while the infection of one ovary (either left or right) is connected with the diseased breast (with cancer) on the same side. We examined 38 patients with confirmed diagnosis of breast cancer, by using indirect BDORT and in all patients we found out one ovary with a high level of HPV infection as with high level of Integrin aSpl . There are some mutual factors for the carcinogenesis of breast cancer and ovary cancer (HPV infection, BB, TB etc., toxins, EMFs). All patients reported being exposed to EMFs. 29 out ofa total of 38 (76.32%) patients had the infection of one ovary and the same side breast where exist breast carcinoma. In the same time on same side ovary we detected high level of HPV 16 and 18 and high level of Integrin aSpl. In three of38 patients we found out increased ovary tumor markers. In study group we found out 29 out ofa total of38 patients have a risk of ovary carcinoma. What we can learn from related literature is that ovarian carcinoma occurring after breast carcinoma is usually the metastasis of breast carcinoma; however, after this research, we believe that, in most cases, ovarian and breast carcinoma develop simultaneously, stimulated by the same or similar factors, and possibly by the same carcinoma stem cell.