Human Adjuvant Disease (HAD) by Silicone Breast Implant (Siliconosis). A Emerging Condition?

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Introduction:
Silicone breast prosthesis has been associated with a variety of medical conditions or autoimmune diseases, which has coincidental relation with the implants insertion; it’s loomed as a new and unknown pathology of the modern times. More than 87% of symptomatic patients developed demyelination axonal neuropathy demonstrated by nerve and muscle biopsy; 22% to 25% have evidence of autoimmune thyroid disease. An a small group of patients (10%-12%) have primary central nervous system demyelination disease as, multiple sclerosis. The diagnosis of multiple sclerosis was corroborated by magnetic resonance imaging and cerebrospinal fluid analysis. Also, an other wide spectrum of immunological diseases have been observed, such as fibromyalgia, Hashimoto’s thyroiditis, polymyositis, dermatomyositis, lupus erythematosus, rheumatoid arthritis, scleroderma, and the presence of autoantibodies. Finally, for symptomatic patients, an adjuvant syndrome of silicone breast prosthesis or implant is proposed as a unitary diagnosis. The authors presented four patients whom illustrated this entity.

Methods:
Neurophthalmic examination was doing in four patients with contracture and extracapsular rupture of silicon breast implants. Subjects underwent a complementary test as brain and breast magnetic resonance imaging (MRI), immunological test, tumor markers, silicon level and biopsy.

Results:
Optic neuropathy and scleritis were the visual manifestations. Three patients developed autoimmune diseases “like” multiple sclerosis, rheumatology syndrome, thyroiditis and one patient developed cancer.

Conclusions:
The human adjuvant disease is a controversial autoimmune disease as well as with non-specific autoimmune manifestations. Silicone breast implant can cause serious local and systemic complications, including death. Patients with neurophthalmic manifestations and implant silicone breast should be study to discard human adjuvant diseases

References:

Keywords: Siliconeosis, Human Adjuvant disease, Breast silicon implant, Augmentation mammoplasty, Autoimmune disease

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