

عنوان مقاله:

The role of autoimmunity in premature ovarian failure

محل انتشار:

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خلاصه مقاله:

Premature ovarian failure (POF) is a heterogeneous syndrome with several causative factors. Autoimmune mechanisms are involved in pathogenesis of 4-30 % of POF cases. The present review focuses on the role of autoimmunity in the pathophysiology of POF. The evidences for an autoimmune etiology are: demonstration of ovarian autoantibodies, the presence of lymphocytic oophoritis, and association with other autoimmune disorders. Several ovarian antigenic targets have been identified in POF patients. The oocyte seems to be the most often targeted cell. disease is one of the most 'Lymphocytic oophoritis is widely present in POF associated adrenal insufficiency. Addison's common autoimmune disorders associated with POF. Early detection of this potentially life threatening disease was recommended in several studies. The gold standard for detecting autoimmune POF is ovarian biopsy. This procedure is not recommended due to unknown clinical value, expense, and risks. Several immunoassays have been proposed as substitute diagnostic tools. Nevertheless, there is no clinically proven sensitive and specific serum test to confirm the diagnosis of autoimmune POF or to anticipate the patient's chance of developing POF or associated diseases. Some authors suggested the possible effects of immuno-modulating therapy on the resumption of ovarian function and fertility in a selected group of autoimmune POF patients. However, in most instances, this treatment fails to reverse the course of the disease. Numerous studies illustrated that standard treatment outcome for infertility is less effective in the presence of ovarian autoimmunity. The antibody-induced damage could be a pathogenic factor. Nevertheless, the precise cause remains obscure

کلمات کلیدی:

Premature ovarian failure, Premature ovarian insufficiency, Autoimmune oophoritis, Autoimmunity

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