

## عنوان مقاله:

Evaluation of the FAS and FASL Gene changes in women with premature ovarian failure: A case-control study

## محل انتشار:

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## خلاصه مقاله:

**Abstract Background:** Premature ovarian failure (POF), is menopause occurring before the age of 40, affecting 1-3% of women worldwide. The risk of POF increases with altered immunological parameters such as FAS and FASL genes, which play a fundamental role in embryogenesis and cellular homeostasis. **Objective:** The study aimed to investigate the potential role of FAS and FASL genes in POF pathogenesis. **Materials and Methods:** In this case-control study, the polymorphisms of FAS-670A/G and FASLIVS2nt\_124A/G apoptotic genes were analyzed in 51 Iranian women suffering from POF, and 61 healthy controls. Isolation of DNA was done using the salting-out method, and genotypic analysis was performed for all the subjects using the polymerase chain reaction-restriction fragment length polymorphism

method. Results: Our results revealed that homozygous FAS-۶۷۰A/A and G/G, and heterozygous FAS-۶۷۰A/G are not significantly different between cases and controls ( $p = ۰.۹۹$ ). Also, in different genotyping models of FASIVS۲nt\_۱۲۴, polymorphisms were not related to POF risk ( $p = ۰.۲۳$ ). Conclusion: There is no statistical association between these .polymorphisms and POF risk in women referred to genetic counseling clinics

### کلمات کلیدی:

FAS, FASL, Polymorphism, Premature ovarian failure

### لینک ثابت مقاله در پایگاه سیویلیکا:

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