

## عنوان مقاله:

Association of FAS A-۶۷۰G Polymorphism and Risk of Uterine Leiomyoma in a Southeast Iranian Population

## محل انتشار:

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## خلاصه مقاله:

Background: Uterine leiomyoma (UL) is a benign tumor of uterine smooth muscle that affects women in reproductive ages. FAS has an important role in initial stages of apoptosis. Previous studies have shown an association between the FAS gene and tumorigenesis. In the present study, we evaluated the relationship between FAS A-۶۷۰G (rs ۱۸۰۰۶۸۲) and UL risk. Methods: The FAS gene polymorphism of ۱۵۵ women with UL and ۱۵۷ healthy controls was analyzed by the polymerase chain reaction restriction fragment length polymorphism method. Results: The AA, AG, and GG genotype frequencies of the FAS A-۶۷۰G polymorphism were respectively ۳۷.۴, ۴۲.۶, and ۲۰% in women with UL, and ۴۶, ۴۲.۶, and ۱۱.۵% in healthy controls. The risk of UL in women was ۱.۵-fold greater in GG-genotype women than in AA-genotype women. The G allele frequencies were ۴۱% in women with UL and ۳۳% in healthy controls and statistically different ( $P = ۰.۰۳$ ). Conclusions: The FAS polymorphism was associated with the risk of UL in a sample of Iranian women

## کلمات کلیدی:

FAS, PCR-RFLP, Polymorphism, Uterine leiomyoma

