

عنوان مقاله:

The effect of rs7008740 and rs11987254 polymorphisms in MYBL1 gene and its effect on male infertility in Fars province-Iran

محل انتشار:

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خلاصه مقاله:

Introduction: Infertility is defined by the failure to reach a clinical pregnancy after one year of unprotected sexual intercourse, and often ۱۵% of couples are infertile. Male factor solely and partially contributes to about ۲۰% and ۵۰% of infertilities, respectively. Both environmental and genetic factors play important roles in infertility, and the mybl1 gene and its polymorphisms are well known in this case. This study was going to evaluate whether rs7008740 and rs11987254 polymorphisms in mybl1 gene have a significant relationship with the risk of male infertility in Fars province or not. **Materials and methods:** This study involved ۱۰۰ infertile men and ۱۰۰ fertile men (control group). The Tetra-ARMS PCR and ARMS PCR techniques were used to detect mybl1 polymorphism genotypes. **Results:** The results showed that rs7008740 and rs11987254 polymorphisms in mybl1 gene did not have a significant relationship with the risk of male infertility in this population ($P > 0.05$). However, there was a significant relationship between family history and infertility ($P < 0.001$). **Conclusion:** This study indicated that rs7008740 and rs11987254 polymorphic loci in mybl1 gene did not have a significant relationship with the risk of male infertility.

کلمات کلیدی:

Men Infertility, mybl1 gene, Polymorphism

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