

عنوان مقاله:

Association Study of HSP90 Gene Expression and Total Antioxidant Capacity (TAC) with Sperm Motility in Infertile Patient

محل انتشار:

بیستمین کنگره بین‌المللی بیولوژی تولید مثل و پانزدهمین کنگره بین‌المللی سلول های بنیادی (سال: 1398)

تعداد صفحات اصل مقاله: 1

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خلاصه مقاله:

Background: Heart shock proteins are a group of proteins that play an important role in fertility ability and important many studies verified that balance disturbance between antioxidants and free radicals has a distractive effect on sperm competence that aim of this study was to evaluate the correlation between sperm motility, hsp90gen expression and total antioxidant value in infertile patterns. Materials and Methods: The study was performed on 50 infertile and 10 fertile individuals according to WHO criteria. Briefly after sample collection, sperm motility, total antioxidant values and gene expression were evaluated. Results: Progressive sperm mobility progressive sperm motility rate decreased significantly in infertile group (24.33%, 17.25%) as compared to control group (42.22%, 31.55%). per-centage of inactive sperm rose dramatically in infertile group (56.87%) in comparison with fertile group (26.23%) significant decrease of TAC was observed in fertile patients there wasn't any observable differences between two experimental group gene expression. Conclusion: It seems that sperm motility is associated with to-tal antioxidant, but .independent from hsp90 gene expression

کلمات کلیدی:

HSP90, Antioxidant, Sperm

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