

Safety and Efficacy of Microscopic Varicocelectomy

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Abstract

Introduction: Varicocele causes infertility in only 20% of patients with varicocele.

About 15-20% of males have varicocele. Varicocele is asymptomatic in most cases.

Aim of the study: To study the efficacy and safety of microscopic varicocelectomy.

Subjects and Methods: 25 patients were included in this study. Clinical grading of varicocele in both sides was done before the procedure. All patients were investigated in the form of semen analysis and scrotal doppler ultrasound with measurement of testicular volume and diameter of veins before and 3 months' post-operative.

Results: Microscopic varicocelectomy resulted in statistically significant improvement in semen parameters post-operative with P value < 0.05. But, there was no statistically significant difference regarding testicular volume post-operative with P value 0.05. Only 1 case of recurrence was reported at the end of follow up period with no other complications reported.

Conclusions: Using microscopic varicocelectomy is safe and efficient technique in treating varicocele.