

Transurethral Alprostadil for the Treatment of Erectile Dysfunction: Results of a Multicentre Trial

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Abstract

Introduction: The incidence of erectile dysfunction (ED) has been shown to increase significantly in Singaporean male population. Thus, this prospective study (no controls) assessed the clinical efficacy and safety of a medicated urethral system for erection (MUSE) in Singaporean male patients with a known history of ED. **Subjects and Method:** Eighty-six men with a mean age of 55.7 years with differential causes of ED were administered with MUSE in the clinic with a titration adjustment of 4 possible dose regimes (125, 250, 500 and 1000 mcg) till efficacy is achieved. Subsequently, patients were subjected to home treatment for a duration of 3 months. **Results:** Sixty per cent of in-clinic patients exhibited good responses and were given MUSE for home treatment. The efficacy rate for home treatment was 86%. Overall, the patients (n = 86) had a 51.2% success rate in achieving satisfactory sexual intercourse. Diabetic and psychogenic patients were noted to respond well to MUSE. No severe adverse events were found in this study. **Conclusion:** MUSE showed to be a safe, less invasive, well-tolerated and efficient alternative treatment for ED in Singaporean men.

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