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## **INJECTION OF MITROFANOFF CHANNEL – A POINT OF TECHNIQUE AND RESULTS**

### Introduction

Leaking Mitrofanoff channel can be a difficult problem to deal and often ends up needing open revision. We describe the minimally invasive technique of bulking agent injection in the accompanying video and assess our results in terms of leakage and difficulty in catheterisation post injection.

### Design

5 patients (4 female and 1 male) with Mitrofanoff leakage were treated by Durasphere injection. They were assessed at 3 months post injection and for those with recurrent leakage, the procedure was repeated.

Three patients had spina bifida, one had bladder extrophy and one had Fowler's syndrome as primary pathology.

### Results

3 patients remain dry and one had partial success. 4 out of 5 patients required more than one set of injection to achieve this result. The follow-up range is between 2 months and 2 years with a median follow-up of 16 months. One patient required revision. No patient had difficulty in catheterisation. Those who leaked did so within 3 months of the procedure.

### Conclusion

Mitrofanoff leakage is a difficult problem to deal with and injection as described is a minimally invasive procedure with no demonstrable morbidity in this cohort. Although our numbers are small, we have a 60% success rate in these patients. We recommend injection as the first modality of addressing the problem of leaking in this group of patients with complex medical issues.

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