

1498 A Ten-Year Observational Study of The Use of Two-Way Catheters Post-Transurethral Resection of The Prostate Without the Use of Post-Op Irrigation

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Over 15,000 transurethral resections of the prostate (TURP) are performed yearly in the UK. It is therefore vital that peri-operative care is optimised. Our centre favours the use of two-way catheters post-operatively without continuous bladder irrigation (CBI).

Aim: To evaluate our practice of using two-way catheters without irrigation post-TURP and to determine impact on patient care compared to standard three-way catheterization. Our primary outcome was duration of admission, but multiple secondary outcomes were also analysed.

Method: This was a prospective observational study. Every patient undergoing TURP at our centre from 2009 to 2019 was included. Prospective patient data were collected pertaining to peri-operative factors. This data was then compared with data published in the NICE guidance pertaining to TURP.

Results: 687 patients underwent TURP at our centre between 2009-2019. The average age of patients was 71.42 (± 7.89). 87.17% ($n = 598$) had two-way catheters placed post-operatively. Average duration of admission was 1.61 (± 1.35) days. TWOC was successful in 93.74% ($n = 644$). Complication rate was 8.73% ($n = 60$), reduced in comparison to other units. Furthermore, when compared to other centres, our method reduced lengths of admission and transfusion rates (1.6 days vs. 3.1 days and 0.87% vs. 2.83% respectively).

Conclusions: Our method preserves patient safety and is associated with reduced length of admission. It also has cost-saving benefits and a reduced post-operative period of catheterisation. We recommend this practice to the wider urological community.