Transurethral resection of bladder tumor through artificial urinary sphincter

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ABSTRACT

Artificial Urinary Sphincter (AUS) is a common treatment for stress urinary incontinence, especially in patients treated for prostate cancer. A small number of patients with an AUS will subsequently develop bladder cancer. These patients are especially hard to manage due to risk of cuff erosion with transurethral interventions. We present a case of an 81-year-old male, with history of prostatectomy and AUS placement, found to have a 2.5cm bladder tumor. He underwent transurethral resection of bladder tumor (TURBT) through a 5cm AUS cuff using a 16.5Fr flexible cystoscope and 3fr bugbee monopolar electrode. The tumor was able to be resected en-bloc. The patient’s cuff was deactivated prior to TURBT and reactivated 72hr post-operatively. The patient experienced no complications or compromises from an oncologic or incontinence standpoint. Final pathology was spindle cell carcinoma without muscle invasion.

CONFLICT OF INTEREST

None declared.

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