

Short Communication

Urethral Diverticulum as a Sequele of Instrumentation for Transurethral Resection of the Prostate (TURP)

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ABSTRACT

We present a case of acquired urethral diverticulum following transurethral resection of the prostate. He developed the symptoms of urinary incontinence, passing urine by straining and squeezing the scrotal swelling nine months after surgery. Diverticulectomy was done

successfully. Acquired urethral diverticulum is a rare complication following transurethral resection of the prostate. To our knowledge this is not mentioned as a complication in the literature.

KEYWORDS: transurethral resection of prostate (TURP), urethral diverticulum.

INTRODUCTION

Acquired urethral diverticula are reported following periurethral abscess^[1-5] and post traumatic instrumentation. It most commonly occurs in the bulbar urethra.

CASE REPORT

A 58-year-old man underwent transurethral resection of the prostate (TURP) at a peripheral hospital six months back, for bothersome lower

urinary tract symptoms. Following surgery, he would void with straining and also leak urine continuously per urethra. Months later he observed, that while voiding, his scrotum would enlarge and he could void urine only by squeezing the scrotum with the hands and thighs. Retrograde and micturating urethrogram (Fig. 1) revealed a large diverticulum in the bulbar urethral which could accommodate 500-600 ml of fluid easily (Fig. 2). It also contained a 1 cm calculus. Diverticulectomy was done. He is voiding well



Fig. 1. Micturating urethrogram



Fig. 2. Photograph of urethral diverticulum

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without any leak and scrotal swelling at 12 months follow up.

DISCUSSION

The cause of diverticulum in this case could be due to instrumental injury to the bulbar urethra. During the introduction of the resectoscope, a false passage was probably created in the bulbar urethra, leading to its complete disruption and diverticulum formation. This case being reported as the urethral diverticulum is a rare complication following TURP and to our knowledge, it is not mentioned following TRUP, in the literature.

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