

Catheter-Induced Urethral Injury Resulting in an Isolated Penile Hematoma

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Case Presentation

A 56-year-old man was admitted to our surgery department for left inguinal hernia repair. He had no medical or surgical history. Lichtenstein mesh repair was performed under spinal anesthesia. He developed postoperative acute urinary retention. Urinary drainage was carried out with a Foley catheter. 24 hours later, the patient developed an isolated penile hematoma which regressed spontaneously within a week (Figure 1). Iatrogenic urethral injury is due mainly to poor catheterization techniques [1]. The main symptoms are transitory urethral bleeding and perineal pain [2]. Serious injuries such as urethral or bladder rupture are possible but, in most cases, the lesions are minor. Here we report an unusual presentation of a catheter-induced urethral injury. Penoscrotal hematoma is usually associated with more severe injury mechanisms and is rarely observed after urethral catheterization [3–5]. Conservative management was sufficient for complete hematoma regression in the case of our patient.



Figure 1: Physical examination showing an isolated penile hematoma