

A Cotton Swab in Male Urethra: A Case Report of an Unusual Urethral Foreign Body

Erkek Üretrası İçinde Kulak Temizleme Çubuğu : Alışılmadık Üretral Yabancı Cisime Ait Vaka Raporu

Fatih Bıçaklıoğlu¹, Sasan Eminferzane¹, Murat Yavuz Koparal², Ender Cem Bulut³

¹Urology Clinic, İzmit SEKA State Hospital, Kocaeli, Turkey

²Department of Urology, Recep Tayyip Erdoğan University Training and Research Hospital, Rize, Turkey

³Department of Urology, Van Training and Research Hospital, Van, Turkey

ABSTRACT

Urethral foreign bodies are rare urological emergencies and early management is vital. Mostly, the patient with a psychiatric disorder inserts the foreign body himself for erotic satisfaction. In this paper, we reported a case of a 22-year-old male patient who inserted a cotton swab into his urethra.

Key Words: Urethra, cotton swab, foreign body

Received: 04.17.2018

Accepted:05.08.2018

ÖZET

Üretral yabancı cisimler, az rastlanan fakat erken müdahalenin hayati olduğu ürolojik acillerdendir. Çoğunlukla, psikiyatrik bir sorunu olan hasta erotik tatmin amacıyla yabancı cisimi kendi yerleştirmektedir. Biz bu yazıda , kendi üretrasına kulak temizleme çubuğu yerleştiren 22 yaşındaki erkek hastaya ait bir vakayı raporladık.

Anahtar Sözcükler: Üretra, kulak temizleme çubuğu, yabancı cisim

Geliş Tarihi: 17.04.2018

Kabul Tarihi:08.05.2018

INTRODUCTION

A urethral foreign body is a rare reason for adults to apply medical assistance. The presence of a foreign body in the genitourinary tract is mainly related to psychiatric or sexual behavioural and mental disorders(1). Mostly, the patient with a psychiatric disorder inserts the foreign body himself for erotic satisfaction(2). This situation is generally limited to the urethra in men because of its length whereas it may be found in the urinary bladder in women because of female urethral shortness(3).

In this paper, we present a 22-year-old male patient who implanted a cotton swab into his urethra.

CASE REPORT

A 22-year-old male patient admitted to the emergency service with pain in the genitourinary tract after he had implanted a cotton swab into his urethra on July 2017. The patient stated that he had implanted the foreign body into his urethra with help of his partner's encouragement in his anamnesis. The physical examination of urethra was normal and a foreign body was not palpated. Pelvic X-ray and pelvic computed tomography (CT) were performed respectively. The foreign body could not be detected on pelvic X-ray (Fig.1). Pelvic CT examination revealed some non-specific findings. (Fig.2). Afterwards, the patient was consulted to urology .

Address for Correspondence / Yazışma Adresi: Murat Yavuz Koparal, MD Recep Tayyip Erdoğan University Training and Research Hospital, Rize, Turkey E-mail: drkoparal@yahoo.com

©Telif Hakkı 2018 Gazi Üniversitesi Tıp Fakültesi - Makale metnine <http://medicaljournal.gazi.edu.tr/> web adresinden ulaşılabilir.

©Copyright 2018 by Gazi University Medical Faculty - Available on-line at web site <http://medicaljournal.gazi.edu.tr/>

doi:<http://dx.doi.org/10.12996/gmj.2018.74>

Urethroscopy was performed and the foreign body was seen in the posterior urethra (Fig.3). The foreign body was taken out in one piece using a forceps (Fig.4).

Subsequently, cystoscopy was performed and no other foreign bodies or serious injuries except from local erythematous appearance was seen. The procedure was finished by placing 18 Fr urethral catheter. The patient was discharged from the hospital after removing urethral catheter next day. Antibiotic and antiinflammatory therapy was given. Psychiatric consultation was recommended but was refused by the patient and his partner.



Figure 1. The foreign body could not be detected on pelvic X-ray due to the radiolucency.

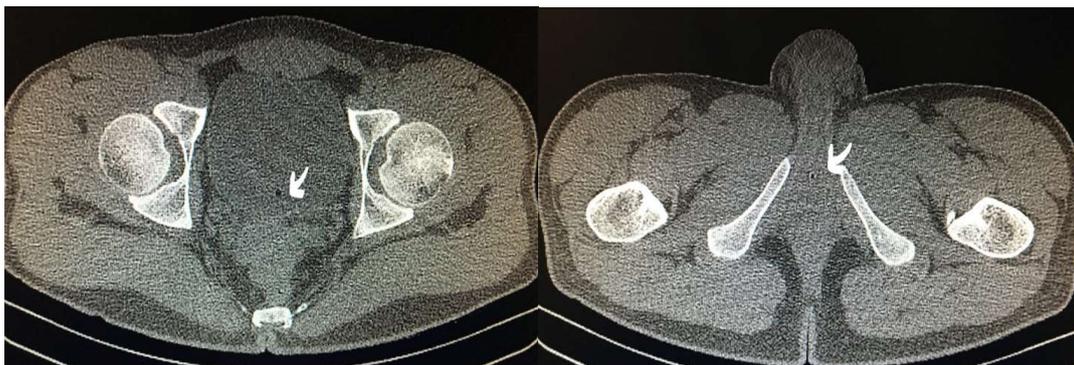


Figure 2. Pelvic computed tomography revealed non-specific findings like circular structures in air density (white arrows).

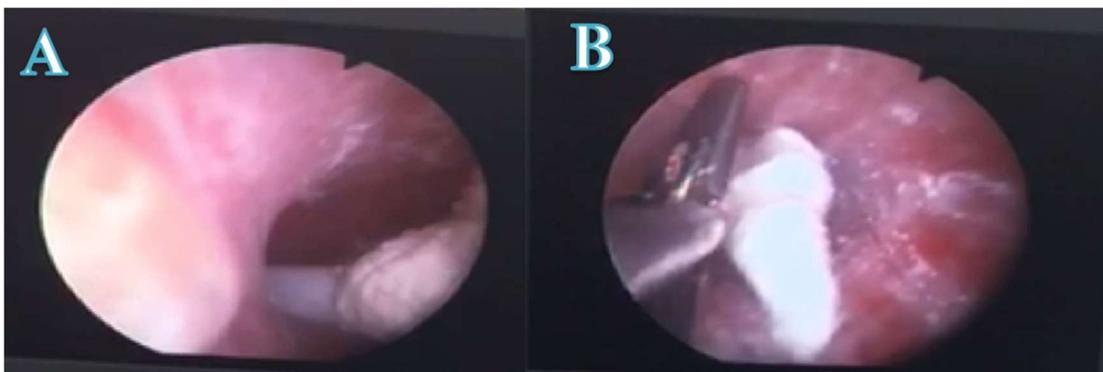


Figure 3. (A) Endoscopic appearance of urethral foreign body. (B) Endoscopic extraction of urethral foreign body with forceps.



Figure 4. Endoscopically extracted cotton swab.

DISCUSSION

There are many cases in the literature on urethral foreign bodies including hair clip, tweezer, fastener, paperclip, straw, small balls, pin, cable or cotton swab (4,5) Patients usually admit to the hospital with complaints of urinary retention, dysuria, pollakuria, hematuria, painful erection and genital pain (3,6). A detailed anamnesis is very important and helpful for diagnosis but it is sometimes hard to get true information because of cultural and social structures. Physical examination should be performed on every patient as palpation of the foreign body in the anterior urethra is an important sign.

Pelvic X-ray, ultrasonography or CT can be performed to identify foreign bodies in the genitourinary tract (1,5,7). Radiographic examination should begin with a pelvic X-ray which is a quick and easy method to apply. However, radiolucent foreign bodies are not able to be seen in pelvic X-ray like in our case. Computed tomography may be used to identify a foreign body with gap inside because it can be seen in air density at the CT examination like in our case. It was possible to view the foreign body, a pen, in the anterior urethra because of the air gap inside in a similar case reported by Sahin et al. (8).

Urethral foreign bodies which are smaller than 1 cm, mobile, distally located, and causing no hematuria may be manually extracted. For the foreign bodies bigger than 1 centimeter and if the foreign body is bigger than 1cm or there is some kind of relationship with urinary bladder, the extraction may be performed by open cystostomy.

Cystourethroscopy and extraction with forceps endoscopically, like in our case, may be useful for the foreign bodies which are mobile, bigger than 1 cm and totally located in the urethra . However, endoscopic extraction of urethral foreign bodies may not always be possible open urethrotomy may be needed (9).

If the foreign body was implanted by the patient or his/her sexual partner, psychiatric consultation should be performed for both. Almost every couple, like in our case, refuses the psychiatric examination and treatment (10).

Urethral foreign bodies are rare urological emergencies and early management is vital. Another important aspect of this situation is that recurrence is possible because of psychiatric disorders. Psychiatric consultation must be performed in these patients.

Conflict of interest

No conflict of interest was declared by the authors.

REFERENCES

1. van Ophoven A, deKernion JB. Clinical management of foreign bodies of the genitourinary tract. *J Urol.* 2000;164:274-87.

2. Akkuş E, Çetinel B, Talat Z, Solok V. Üretraya Sokulan Yabancı Cisimler. *Endoskopi Dergisi* 1996; 4: 180-182.
3. Akgül T, Huri E, Bağcıoğlu M, Ersoy E, Germiyanoglu C. Üretral Yabancı Cisim: Bir Olgu. *Yeni Tıp Dergisi* 2008; 25:121-3.
4. Osca JM, Broseta E, Server G, Ruiz JL, Gallego J, Jimenez-Cruz JF. Unusual foreign bodies in the urethra and bladder. *Br J Urol.* 1991;68:510-2.
5. Rahman NU(1), Elliott SP, McAninch JW. Self-inflicted male urethral foreign body insertion: endoscopic management and complications. *BJU Int.* 2004 94:1051-3.
6. Trehan RK, Haroon A, Memon S, Turner D. Successful removal of a telephone cable, a foreign body through the urethra into the bladder: a case report. *J Med Case Rep.* 2007 ;1:153.
7. Barzilai M, Cohen I, Stein A. Sonographic detection of a foreign body in the urethra and urinary bladder. *Urol Int.* 2000;64:178-80.
8. Sahin C, Demirkol MK, Narter F, Eryildirim B, Sarca K. Urethral Foreign Body: Evaluation of an Interesting Case Guided by the Literature. *J Kartal TR* 2016;27:158-160
9. Palmer CJ, Houlihan M., Psutka SP, Ellis KA, Vidal P, Hollowell CMP. . Urethral Foreign Bodies: Clinical Presentation and Management. *Urology.* 2016;97:257-60.
10. Forde JC, Casey RG, Grainger R. An unusual penpal: case report and literature review of posterior urethral injuries secondary to foreign body insertion. *Can J Urol.* 2009;16:4757-9.