

PENILE FRACTURE WITH URETHRAL INJURY

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SUMMARY

An unusual case of penile fracture (rupture of corpus cavernosum) that accidentally occurred during sexual intercourse is presented. The injury also involved the rupture of the urethra. The need for immediate surgery is emphasized when compared to the complications of conservative treatment.

Key Words: Penile fracture, Urethra, Trauma

INTRODUCTION

Associated rupture of both corpora cavernosa and urethra during coitus is a urologic emergency. When recognized early and surgically repaired, a good functional result regarding micturition and erection can be expected.

CASE REPORT

A 37-year-old man presented with penile swelling, hematoma, pain and deformity 4 hours after sexual intercourse. He also complained of urethral bleeding. 14F Foley catheter was tried to be inserted, but the procedure was unsuccessful with the feeling of "false route". The patient underwent immediate exploration with circumcision incision, and it was recognized that

both right corpus cavernosum and urethra (3 cm and 1,5 cm respectively) were injured (Figure). Evacuation of hematoma, antibiotic irrigation of corpus cavernosum, and repair of corpus cavernosum and the urethra were performed during this emergency operation. The follow-up controls revealed excellent functional results including normal erection and micturition.

DISCUSSION

Penile fracture with urethral injury, is one of the rare urological experiences. It is usually the result of blunt trauma during intercourse or masturbation. Either conservative treatment or immediate surgical exploration are the therapeutic options.(2) Conservative treatment usually results with penile plaque, fibrosis or curvature and perhaps impotence (2,3). Urethral injury accompanying penile fracture cases were treated successfully if immediate surgery was performed.(1,3,4)

In our case with immediate surgical exploration and repair of the injuries, excellent functional results including erection and micturition were achieved. We therefore recommend immediate surgical treatment with circumcision incision which provides excellent exposure in cases of penile fracture with or without urethral injury.



Fig 1. Associated rupture of both corpora cavernosa and urethra were exposed via circumcised approach.

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