



SURGICAL TREATMENT AND COMPLICATIONS OF PENILE FRACTURES

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ABSTRACT

Paper goal is to determine complications after urgent surgical treatment of patient with penile fractures, by using circumferential-degloving technique (degloving penile skin to root of penis). In period between 1998-2006 year, 23 patients have been treated as urgent cases with clinically proven penis fracture, age between 18 and 35. Patients were treated in 3 medical centers in Bosnia and Herzegovina (Sarajevo, Tuzla and Zenica). All 23 (100%) patients were injured during sexual intercourse. In the case of 20 (86,9%) patients partial rupture of corpus cavernosum was verified. Two (8,6%) patients had a complete rupture of urethra and it was primary sutured. In 22 cases (95,6%) spontaneous erection appeared, and in the case of 2 (8,6%) patients penile curvature was verified. Urgent surgical treatment is the best therapy choice, which enables preservation of erection in great number of cases in patients with penile fracture.

KEY WORDS: penile fracture, surgical treatment, complications

INTRODUCTION

Penis fracture is injury that rarely occurs. Although real incidence is unknown, its frequency is approximately 1 of 175 000 hospitalized patients (1). In most cases it happens because tunica albuginea becomes thinner in penile erection, which under influence of blunt force may rupture, most often on penile lateral sides. Penile fracture is considered urgent urologic state. Approximately 30% of cases are caused by sexual intercourse, various types of masturbation, and by industrial and other accident. Injuries are rare when penis is flaccid. In penile fracture, the cause of rupture is buckling of the tunica albuginea during erection, tunica stretches and changes its thickness from 2 mm to 0,25-0,5 mm, losses elasticity, and due to that penile fracture can occur by implication of blunt force or bending (2). Physical examination is