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**Introduction & Objectives:** Penile fracture is a blunt penile trauma injuring the tunica albuginea of the cavernosal bodies. This trauma can also affect the corpus spongiosum and the urethra and it can be associated with subcutaneous hematoma. Mainly it is associated with sexual activity. When diagnosed, surgery is recommended to suture the tunica albuginea to minimize the long-term complications.

**Materials & Methods:** In a retrospective study we evaluated a group of patients who presented at the emergency room with penile fracture. All patients included performed a clinical evaluation including a penile doppler ultrasonography prior to the surgical treatment. The aim of the study was to assess the etiopathogeny of this trauma and the results after the surgical treatment.

**Results:** We analysed a number of 57 cases of penile fracture who presented with penile trauma at the emergency room, between years 1995 and 2018.

All the patients were adults, aged between 20 and 66 yo (median 33 yo). There were 3 main causes of fracture. Sexual intercourse, the most common mechanism of injury (41 patients), followed by rolling over in bed with erect penis (13 patients) and masturbation (3 patients). 51 patients presented with subcutaneous hematoma and only 6 had urethral/spongious body injury. Regarding the location of the rupture, 24 patients had ventrolateral injury, 22 had dorso-lateral, 6 were lateral and 5 ventral. Following the surgical treatment (surgical closure of the tunica albuginea), patients were reevaluated by clinical examination and ultrasonography. Long term complications included erectile dysfunction (2 patients), nodules (3 patients), penile curvature (12 patients).

**Conclusions:** Penile fracture is a pathology that requires immediate surgical treatment with closure of the tunica albuginea lesions, reducing the complications associated. Preoperative evaluation by clinical exam and ultrasonography are needed for a certainty of diagnosis.