

# (MP39-11) SURGICAL OUTCOMES OF TRAUMATIC PENILE FRACTURE REPAIR ON LONG-TERM ERECTILE AND URINARY FUNCTIONS: ANALYSIS OF TRAUMA REGISTRY

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# Study Design

- Retrospective analysis included 23 patients treated for traumatic penile fracture (TPF) from March 2010 to October 2019 at a single institution
- Diagnoses obtained by detailed history, clinical examination and imaging in select patients with equivocal finding
- Urine flowmetry and post void residual used to assess urinary function
- International Index of Erectile Function (IIEF-5) was utilized for objective post-operative erectile assessments



*Images Adapted from Metzler IS, Reed-Maldonado AB, Lue TF. Suspected penile fracture: to operate or not to operate? Transl Androl Urol. 2017;6(5):981–986.*

# Post-operative Outcomes

Outcomes	Early Repair (≤24hrs) N=18 (78%)	Delayed Repair (>24hrs) N=5 (22%)	p-values
<b>Surgical approach</b>			
Degloving circumcision	14	4	P<0.05
Ventral raphae incision	4	1	NS
<b>Penile fracture components</b>			
Unilateral corpora cavernosa rupture	13	4	NS
Bilateral corpora cavernosa rupture	5	1	P<0.05
Concomitant corpora spongiosum rupture	5	1	P<0.05
<b>Outcomes</b>			
Erectile Dysfunction	4 (22%)	2 (40%)	NS
Erectile Function recovery at 6 months	15 (83%)	1 (20%)	P<0.05
Penile curvature	6 (33%)	2 (40%)	NS
Penile shortening	1	1	NS
Reoperative intervention	0	1	NS
Urethral stricture disease	0	1	NS
Transient priapism	0	1	NS

