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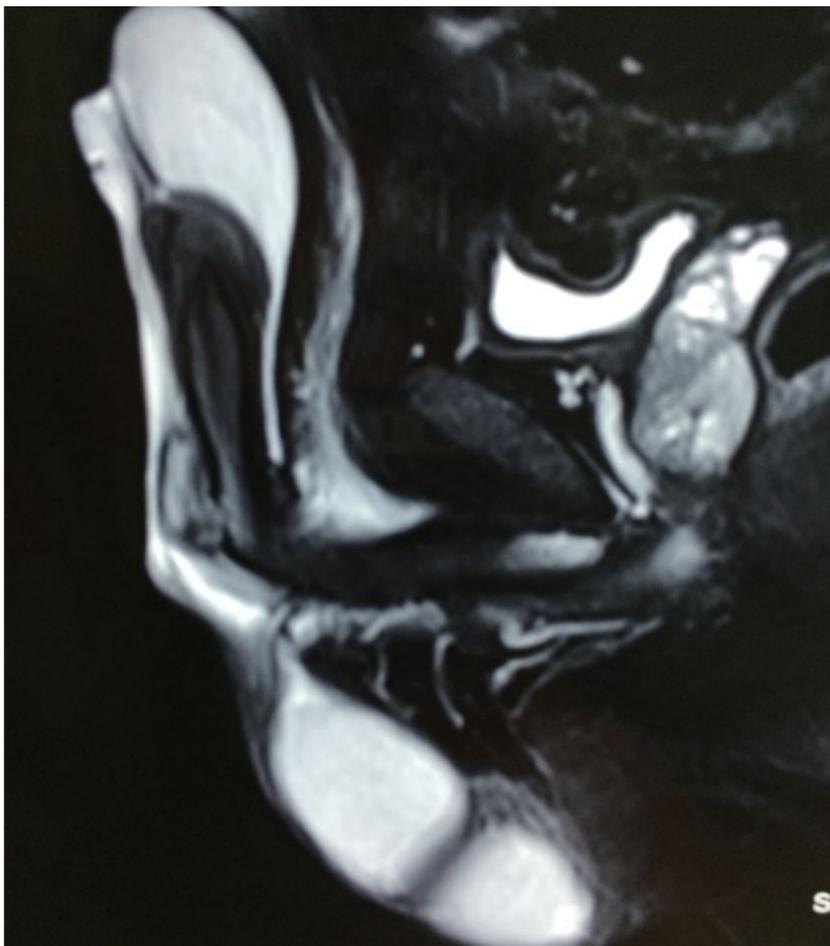
LONG TERM OUTCOME OF PATIENTS WITH PENILE FRACTURE UNDERGOING DELAYED REPAIR

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Introduction: Fracture of the penis is a rare urological emergency which occurs as a result of abrupt trauma to an erect penis. Immediate surgical repair is the standard of care of management. A large percent of the patients present late for treatment out of fear or embarrassment. We report series of patients who presented late and underwent delayed repair. We also report the long term outcome of these patients.

Materials & Methods: The data was retrospectively collected from patients records, presenting to our hospital between January 2018- January 2020 considering the following aspects: detailed history including symptoms, type of relationship, mechanism of trauma, sexual position, clinical findings, imaging results, presence of urethral injury, outcomes and long-term complications regarding sexual and voiding functions. Patients were followed up for period of 1 year to access there delayed outcomes and sexual functions.



Results : Twenty four patients presenting to our hospital emergency services at least 24 hours following sustaining injury to penis who underwent surgical repair. In our study Heterosexual intercourse was the most common cause of fracture (18 patients, 81.81%). The mean time of duration between injury and presentation was 30.24 hours. The mean time of duration between presentation and surgical intervention was found to be 4.37 hours. MRI was done in 6 out of 24 cases with positive predictive value of 100%. None of the patients were found to have any urethral injury. Seventeen (77.27%) patients experienced erection during the post-operative period in the hospital itself. At the end of 1year follow-up all the 24 patients had been having sexual intercourse. Only 1 patient out of 24 had mild chordee but not effecting his sexual functions/intercourse. None patient out of 24 had any voiding symptoms on follow up of 1 year.

Conclusions : In our cohort of penile fractures undergoing delayed repair due to delayed presentation sexual intercourse, long-term erectile potency is preserved and overall sexual function is maintained on long term follow-up of the patients