

## TRAUMATIC HEMIPELVECTOMY: A RARE DEVASTATING PELVIC INJURY

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**Introduction:** Traumatic hemipelvectomy (hindquarter amputation) is a rare life threatening and devastating pelvic injury which has high percentage of death and morbidity. The traumatic hemipelvectomy is a rare entity with 0.6% of all pelvic fractures, therefore experience in resuscitation and subsequent treatment is scarce.

**Discussion:** A 12 years old male pillion rider on a motorcycle involved in high-speed head-on collision with a car. He was brought to casualty with completely avulsed right lower limb. There was large circumferential severely contaminated wound. Aggressive resuscitation was carried out and emergency wound debridement and refashioning of right hemipelvectomy stump was done. Subsequently patient was undergone multiple wound debridement for infected wound. Referral to surgical team for creation colostomy for better wound management and plastic surgery for wound closure. Currently wound already healed and patient is still under rehabilitation. He already ambulating with axillary crutches and awaiting for prosthesis. Traumatic hemipelvectomy with complete disruption through the symphysis pubis and sacroiliac joint is a very rare injury. Patient with complete hemipelvectomy seem to have greater survival rate than patient with partial hemipelvectomy. Most survivors are young, healthy individual who are able to tolerate massive hemorrhage and soft tissue destruction. Successful management remain challenging but could be achieved by an aggressive resuscitation, frequent re-explorations, the use of VAC therapy and early consultation with a plastic surgeon for reconstructive surgery.

**Conclusion:** A traumatic hemipelvectomy is a devastating injury with less survivor. Involvement of multidisciplinary team must be carried out early for a better patient survival rate and outcome.