



ORIGINAL RESEARCH PAPER

General Surgery

A RARE CASE PRESENTATION OF PENETRATING BLUNT INJURY OVER ABDOMEN & CHEST DUE TO PIG BITE

KEY WORDS:

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INTRODUCTION

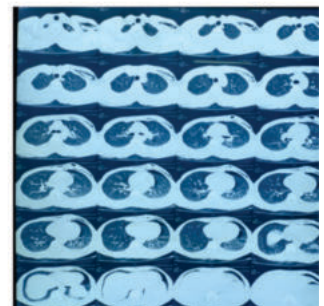
- Wild animal traumatic bite injury to humans is common over worldwide. Dog bite is the commonest of all seen over peripheral part of body commonly over lower limb region.
- Other wild animal bite injuries like Bear, Tiger & Pigs are very rare and commonly seen in forest
- Other than lower limb site these injuries seen over face, thorax & abdominal regions are rare & much more severe, penetrating, infectious & rapidly spreading
- These Injuries are treated on emergency basis with clean the wound with clean with water and soap, wide spectrum antibiotics and active & passive immunization given

Case Presentation

- A 36-year-old Hindu married male coming from lower socio-economic class brought to casualty department with severe penetrating traumatic injuries over left side chest wall & over right flank abdominal region
- On examination, subcutaneous emphysema palpated & visible gush of air movement feel over chest injury. Injury over right flank region explored locally found no active bleeding over site and bowel loop entrapped over traumatic site
- Primary resuscitation measures in form of IV fluids, antibiotics given & vitals monitoring done
- After stabilising patient routine blood Investigation, CXR, AXR & USG of chest & abdomen done.
- On CXR free gas under Right dome of diaphragm & mild blunting of costophrenic angle found. CECT Abdomen and thorax decided and done.
- In CECT Abdomen, there is collapse of bowel loops with no any free fluid found into abdominal cavity. CT Thorax shows mild hemoperitoneum & pneumoperitoneum over left chest.
- Left side Intercostal Drainage tube insertion under cardiothoracic Surgeon guidance & exploratory laparotomy for abdominal wound decided
- On Exploration of abdomen there is mild free fluid found with no signs of perforation or active bleeding found
- Transverse colon found entrapped over wound site with no sign of vascular ischemia. Transverse colon reduced into abdominal cavity. Rest of bowel appear normal
- On further exploration there was approx. 3*1.5cm superficial laceration with no active bleeding found over Rt. Lobe of liver. The laceration site packed with gelatin sponge. Rest of visceral organs appear normal
- Abdomen wound closed layers by layer. Local Rt. Flank wound closed and approximated with primary suturing intraoperatively. Lt. side Intercostal Drainage tube insertion was done
- Postoperative recovery was uneventful & patient discharged with abdominal drain removal on postoperative day 10th. In follow up abdomen and local wound checked found healthy. Rabies immunization completed in follow up period

penetrating and fatal

- Dog bite injuries are common in pediatric population
- These injuries should be treated promptly with local cleaning of wound, remove dead tissues and foreign materials, antibiotics oral & IV, active and passive immunization
- Rabies vaccines should be given according to WHO guidelines and immunoglobulins should infiltrated around local site of wound
- Increase awareness about animal bite injuries, Home based care, consult local hospital and cover full immunization against rabies to prevent complications



CONCLUSION

- Penetrating traumatic injuries over abdomen & thorax by animal bites are very rare
- Treatment should be given on emergency basis to prevent complications
- Increase awareness into population, Active and Passive immunization is important to prevent rabies

DISCUSSION

- Penetrating wild animal bite injuries are very rare. Severity of these injuries' ranges from superficial to deep