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ABOUT COVER

Peer-reviewer of World Journal of Clinical Cases, Dr. Aleem Ahmed Khan is a Distinguished Scientist and Head of The Central Laboratory for Stem Cell Research and Translational Medicine, Centre for Liver Research and Diagnostics, Deccan College of Medical Sciences, Kanchanbagh, Hyderabad (India). Dr. Aleem completed his Doctorate from Osmania University, Hyderabad in 1998 and has since performed pioneering work in the treatment of acute liver failure and decompensated cirrhosis using hepatic stem cell transplantation. During his extensive research career he supervised 10 PhD students and published > 150 research articles, 7 book chapters, and 2 patents. His ongoing research involves developing innovative technologies for organ regeneration and management of advanced cancers. (L-Editor: Filipodia)

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CASE REPORT

Chest, pericardium, abdomen, and thigh penetrating injury by a steel rebar: A case report

Xian-Wei Yang, Wen-Tao Wang

ORCID number: Xian-Wei Yang 0000-0001-8696-4844; Wen-Tao Wang 0000-0001-5054-6552.

Author contributions: Yang XW wrote the manuscript; Yang XW and Wang WT managed the patient; Yang XW and Wang WT prepared the images; all authors approved the final version.

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Xian-Wei Yang, Wen-Tao Wang, Department of Liver Surgery & Liver Transplantation Center, West China Hospital, Sichuan University, Chengdu 610000, Sichuan Province, China

Corresponding author: Wen-Tao Wang, MD, PhD, Full Professor, Surgeon, Department of Liver Surgery & Liver Transplantation Center, West China Hospital of Sichuan University, No. 37 Guoxue Lane, Wuhou District, Chengdu 610000, Sichuan Province, China. wwtdoctor03@163.com

Abstract

BACKGROUND

Combined penetrating trauma involving the chest, pericardium, abdomen, and thigh is rare and lethal. It is difficult to quickly rescue patients with penetrating injuries from long steel bars.

CASE SUMMARY

A previously healthy 56-year-old male worker presented with a length of rebar that penetrated the chest-abdomen-pelvic cavity and was palpable on the anterior side of the neck and thigh. On radiological imaging, the left chest wall-left chest cavity-mediastinum-abdominal cavity-right groin area-right thigh demonstrated a strip-like density shadow, about 1.5 cm thick, with the heart, stomach wall, and part of the intestine involved. There was a left-sided pleural effusion, left lung compression of about 50%-60%, and a small amount of left pleural effusion/blood accumulation; possible perforation of hollow organs; and double multiple ribs fractures on the side. An emergency green channel was opened to provide a rescue process for smooth and timely diagnostic and treatment to save the patient's life. The patient was followed at 4 mo after discharge and showed good recovery.

CONCLUSION

For pre-hospital emergency treatment in locations that are not fully prepared for surgery, we do not recommend cutting the steel bars outside the body. We advocate pulling out foreign bodies intact to reduce secondary injuries.

Key Words: Penetrating trauma; Rebar; Diaphragm injury; Thoracoabdominal; Pre-hospital emergency; Case report

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Core Tip: Rebar penetration injury is extremely rare, but it is life-threatening for construction workers, especially chest, abdomen, pelvic cavity, and limb injuries. The length, diameter, and path into the human body are the main factors that affect prehospital emergency and surgical methods. We do not recommend cutting the steel bars outside the body. We advocate pulling out foreign bodies as a whole to reduce secondary injuries. At the same time, post-traumatic management is also critical.

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INTRODUCTION

Rebar penetration injury is extremely rare but it is life-threatening for construction workers, especially chest, abdomen, pelvic cavity, and limb injuries. The length, diameter, and path into the human body are the main factors that affect pre-hospital emergency and surgical methods. Very few studies[1-4] reported the penetration damage of steel bars, which lack systematic guidance. Therefore, we describe in detail a case of penetrating injury with regard to pre-hospital emergency, imaging, surgery, and follow-up.

CASE PRESENTATION

Chief complaints

A 56-year-old male worker went to the hospital and suffered a penetrating injury to his chest and abdomen for 1 h due to a fall from about 3 m. In the emergency department, he presented with nervousness, fear, mild chest pain and abdominal pain.

History of present illness

This patient sustained penetrating trauma of the left chest, abdomen, and right thigh with a piece of rebar that was 2 m in length and 15 mm in diameter during an accidental fall that had occurred 1 h earlier. His workmates immediately called ambulance and he was transported to our center. We opened a priority channel for him to surgery preparation.

History of past illness

This patient was usually healthy, had regular physical examinations, and had no family history.

Physical examination

The patient was conscious and his answers were smooth and accurate. His vital signs were as follows: Body temperature, 37.3°C; pulse, 108/min; respiration rate, 26/min; blood pressure, 119/72 mmHg; and oxygen saturation, 97%. He had no angina, shortness of breath, bloating, muscle tension, or rebound pain. The patient had no other evidence of trauma.

Laboratory examinations

Main laboratory results were: Hemoglobin 133 g/L, white blood cell count 10.3×10^9 /L, neutrophil percentage (NEUT%) 87.0%, alanine aminotransferase (ALT) 16 IU/L, sodium (NA) 139.9 mmol/L, potassium (K) 4.08 mmol/L, total bilirubin (TBIL) 10.4 μmol/L, myoglobin (Myo) 150.50 ng/mL, and prothrombin time (PT) 10.7 s.

Imaging examinations

Computed tomography and X-rays of the body revealed a rebar extending through the left chest next to the heart and abdominal cavity. A significant portion of the rebar protruded into the abdomen (Figure 1A). There was evidence of rib fractures,

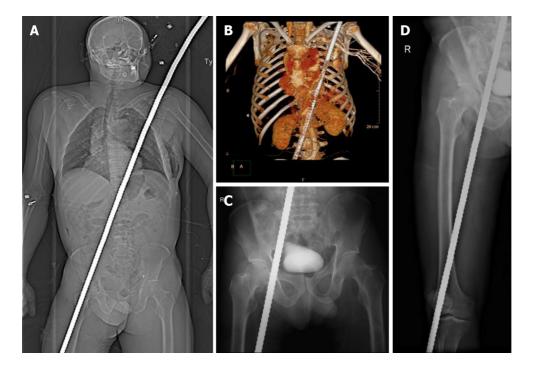


Figure 1 X-ray images. A: X-ray image revealing a high-density shadow; B-D: Images revealing that the rebar passed through the pericardium, reaching the pelvis and extending to the thigh.

pneumothorax, pericardium and diaphragm rupture, and stomach and intestinal wall injuries, not excluding left liver lobe rupture and gastrointestinal perforation. The great vessels of the chest were spared, and the left lung and pericardium were lacerated and contused (Figure 1B-D).

MULTIDISCIPLINARY EXPERT CONSULTATION

After multidisciplinary discussions including thoracic surgery, cardiac surgery, liver surgery, gastrointestinal surgery, urology, vascular surgery, plastic surgery, orthopedics, psychotherapy, and anesthesiology, it was firmly agreed that the patient was in critical condition and should undergo surgery as soon as possible. Firefighters waited outside the operating room door with professional equipment prepared to cut the rebar during the operation. However, because the nature and severity of the impaling injury were not yet known, the decision was made to take directly the patient to the operating room.

FINAL DIAGNOSIS

This patient was finally diagnosed with penetrating injuries involving multiple organs, mainly including the chest, pericardium, stomach, intestine, and thighs. After preoperative evaluation, thoracotomy and exploratory laparotomy were planned and performed on April 25, 2020.

TREATMENT

More than ten surgeons from different departments performed over 3 h of surgery to remove the rebar from the body and successfully repaired the injuries. The patient received tetanus prophylaxis and intravenous cefoxitin and was then transported to the operating room, carefully placed in the supine position without moving the rebar. A left thoracoabdominal incision was made, joining the entry and exit wounds (Figure 2A). The surrounding organ tissue was incised or moved around the edge of the rebar. The rebar (wrapped with gauze) was slowly lifted from the thigh to the left chest under vision directly from the surgical incision and was removed completely.

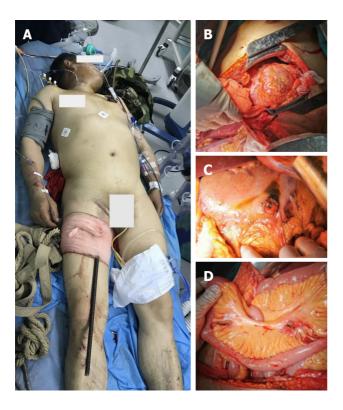


Figure 2 Treatment process. A: The length of the rebar in the patient's body; B-D: After removing the rebar from the body, it was found that rupture of the pericardium, perforation of the stomach wall, and penetrating trauma of the mesentery were the main manifestations.

Repair of pulmonary parenchymal damage, diaphragm, stomach wall, mesentery, and subcutaneous holes in the thighs was then performed (Figure 2B and C). Total blood loss was approximately 200 mL.

OUTCOME AND FOLLOW-UP

The patient received psychological care and did not suffer postoperative complications. He recovered uneventfully and was discharged 13 d later on oral antibiotics. During the follow-up period of nearly 4 mo, the patient showed no fever or infection, and returned to normal work and family life.

DISCUSSION

Combined thoracic and abdominal injuries result in sequential damage, including lung lobes, heart, pericardium, diaphragm, and abdominal organs. Despite the low incidence, the mortality rate is high [5,6]. This case highlights the importance of a multidisciplinary team approach and maintenance of foreign body integrity for the survival of severe rebar injury patients. We do not recommend cutting steel bars before surgery to avoid secondary damage. Thoracic and abdominal penetrating injuries should be treated simultaneously to ensure that the rebar has a wide range of movement in the chest cavity, pericardium, mesentery, and stomach wall. Similar to the case reported by Zhang et al[4], emergency treatment measures for penetrating injuries are particularly important. Although these two lucky patients eventually survived, our experiences in managing steel injuries are worth recommending and emulating. This case focused on the indications of surgery and the description of the intraoperative situation. The successful rescue of this patient depended on the quick judgment of the way that the rebar was taken out. This was also the benefit of simultaneous thoracotomy and laparotomy. This study did not focus on the details of nursing, trauma assessment, emergency triage process, and role tasks, which should be the basic principle of emergency. Last but most important, patients should be followed to avoid losing monitoring of diaphragmatic hernias[7,8], infections, intestinal obstruction, psychological injury, and posttraumatic stress disorder.

CONCLUSION

Emergency doctors should establish a holistic concept in dealing with penetrating injuries. Pulling out rebar under direct surgery can reduce secondary injuries. To help workers recover smoothly, antibiotics and psychotherapy are also particularly important.

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REFERENCES

- Sarwark JP, McCarthy DM, Pearce C, Seth A, Issa N. Leg and abdominal impalement with rebar. Am J Emerg Med 2015; 33: 1110.e1-1110. e2 [PMID: 25661098 DOI: 10.1016/j.ajem.2015.01.006]
- Nicolaisen N, Ahmed A, Hancock T, Ogren R. Field airway management of a construction worker with an impaling rebar injury to the neck and brain. Prehosp Emerg Care 2012; 16: 548-552 [PMID: 22823946 DOI: 10.3109/10903127.2012.6954381
- Grossbach AJ, Abel TJ, Smietana J, Dahdaleh N, Severson MA 3rd, Hasan D. Impalement brain injury from steel rod causing injury to jugular bulb: case report and review of the literature. Brain Inj 2014; 28: 1617-1621 [PMID: 25019335 DOI: 10.3109/02699052.2014.934284]
- Zhang M, He Q, Wang Y, Pang S, Wang W, Wang D, Shi P, Zhao W, Luan X. Combined penetrating trauma of the head, neck, chest, abdomen and scrotum caused by falling from a high altitude: A case report and literature review. Int Emerg Nurs 2019; 44: 1-7 [PMID: 30902618 DOI: 10.1016/j.ienj.2019.01.001]
- Yucel M, Bas G, Kulalı F, Unal E, Ozpek A, Basak F, Sisik A, Acar A, Alimoglu O. Evaluation of diaphragm in penetrating left thoracoabdominal stab injuries: The role of multislice computed tomography. Injury 2015; **46**: 1734-1737 [PMID: 26105131 DOI: 10.1016/j.injury.2015.06.022]
- Fan Z, Zhang Y, Liu J, Zhang Y. Perianal injury with rebar. Int Wound J 2019; 16: 1055-1056 [PMID: 31033187 DOI: 10.1111/iwj.13136]
- Remtulla M, Drury NE, Kaushal NA, Trotter SE, Kalkat MS. Thoracic splenosis masquerading as advanced lung cancer. Thorax 2017; 72: 189-190 [PMID: 27596160 DOI: 10.1136/thoraxjnl-2016-209068]
- Yoo B, Shin YC. Cardiac impalement injury by a steel rebar: A case report. Int J Surg Case Rep 2020; 66: 174-177 [PMID: 31862661 DOI: 10.1016/j.ijscr.2019.12.006]



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