An abdominal stab wound with evisceration is an indication of an emergency laparotomy. We encountered a case of a very severe ischemic change in the eviscerated small bowel as a result of stabbing. The patient was considered to have a high possibility of progressing to strangulation of the small bowel. Therefore, a stab wound extension was performed as a decompression in the emergency department before definite surgery in the operating room. Most of the small bowel could be saved except for the segment with the damage caused by the stab injury. The patient was discharged without complications. (J Acute Care Surg 2018;8:71-73)

**Key Words:** Abdominal stab wound, Eviscerated small bowel, Decompressive wound extension, Emergency room
strangulation of the small bowel (Fig. 2). In addition, ligation of the bleeding arteries of the mesentery was performed. And then was rapping bowel by gauzes, abdominal skin wound by IOBAN™. Laboratory examination revealed WBC 9.19×10³/μl, Hb 13.6 g/dl, Platelet 226×10³/μl, Lactic acid 2.0 mmol/l, Base Excess 3.0. The patient was transferred to the operating room. The circulation of the eviscerated small bowel was improved (Fig. 3). Multiple transections were observed in the jejunum and the ileum. Therefore segmental resection and anastomosis were performed (Fig. 4). Thus, most of the small bowel could be saved except for the segment with damage caused by stab injury.

Fig. 1. A large amount of small bowel is eviscerated through the stab wound in the left side of the abdomen on arrival at the emergency department and ischemic change is very severe. Multiple transections of the small bowel are also observed.

Fig. 2. (A, B) Stab wound extension for decompression is performed superiorly and inferiorly to prevent progressing to the strangulation of eviscerated small bowel with severe ischemic change in emergency department. (C) Initial stab wound is 8 cm, wound extension is performed 8 cm superiorly and 10 cm inferiorly.

Fig. 3. Operative findings include multiple transection of the jejunum at the distal 100 cm from the Treitz ligament (upper) and the ileum at the proximal 150 cm from the ileocecal valve (lower).

Fig. 4. After segmental resection of injured site of the jejunum (A) and the jejunum (B) is performed, improvement of ischemic change and multiple transections are observed.
The patient was discharged without any complications.

**Discussion**

Various organ eviscerations occur after abdominal stab injury. Evisceration is recognized as an indication of immediate laparotomy [2-4]. Bowel evisceration may cause ischemic change due to circulatory problem. If a large amount of the small bowel is eviscerated, it is likely to proceed to strangulation [1]. In this case, it is important to decompress the eviscerated bowel as quickly as possible which can be exacerbated by painful abdominal wall muscle contractions. If the ischemic change is severe as like present case, it may be necessary to try decompressive wound extension in the emergency department to prevent getting worse during the transfer to the operating room.

**Acknowledgments**

This work was supported by Clinical Research grant from Pusan National University Hospital in 2018.

**Conflicts of Interest**

No potential conflict of interest relevant to this article was reported.

**References**