Foreign body; Endoscopy; Retrieval device; Overtube;

## Stonach

## Introduction

For eign bodies ingestions is a commonly encountered emergency in the encousage of department. Most objects pass through the upper gastrointestimal (G) tract spontaneously, but 10% 20% of ingested for eign bodies need encousage or surgical removal [1]. Here, we report an unusual large for eign object looged in the stomach for nearly a week, which was safely removed by encousage for turately.

## Case Report

A 34 year-did single man with a history of drug abuse presented to the endoscopic center accompanied by his nother. He swallowed a huge spring with hooks which made him a winner of a bet with his friends on July 16, 2015. He had no complaints of abdominal pain, nausea, colynophagia, clysphagia, chest pain or reux. He was at hone until the bet was known by his norther ve days later. He was taken to the hospital by his mother on July 22, 2015 On initial presentation, the patient talked little and denied any symptoms. Physical examination vas normal except ninlid abdominal tenderness to moderate palipation without rebound tenderness or quarding. Laboratory results were normal except the positive anti-HCV An electrocardiogrammand the Xray of chest showed no abnormal signs. e abdominal plain radiography revealed a large spring with a hook at both ends in the stomach, which neasured approximately 18cm X 2cm, and there was no radiographic evidence of perforation (Figure 1). CT scanning con rned the umladd

esophageal varices. Considering the potential risks of the upper embscopic procedure, including the possibility of esophageal and/or gastric perforation, mocosal injury and bleeding, the inability to retrieve the foreign body, the patient and his mother insisted on the decision to attempt the embscopic removal of the spring and the written consent was signed by both the patient and his mother. e patient underwant a upper embscopy under conscious sectation using propord and sufentanil without embtracheal intubation

Cardiquimonary function was monitored with pulse oximetry throughout the procedure e foreign body was located in the gastric body with its hooks embedded in chime (Figure 2). Aler irrigation with the saline, the hook of the proximal end was exposed, which was easy to be grasped by the alligator forceps which was passed through the accessory channel. It was easy to pull the spring into the esophagus without obstruction, but it was dicult to pull out through the pharynx. Aler molitiple attempts, it was nally retrieved with the endoscope and the alligator forceps holding the foreign body together (Figure 3).

On repeat endoscopic examination, minor mocosal injuries were found on the upper esophageal wall and pharynx virthout active bleeding e patient refused to stay in the energency roomfor further observation and le the hospital.



Figure 1: No radi cographic evidence of perforation

Figure 2 Foreign body was located in the gastric body with its hocks embedded in chine.

Anong them foreign bodies were most commonly located in the stomach and ducter myten found (17/34, 50%).

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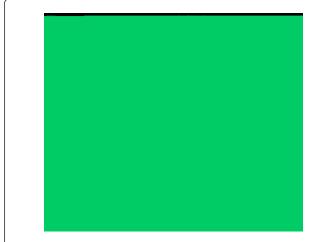


Figure 3 Alligator forceps halding the foreign body together.

## Di scussi on

Foreign objects ingestion occurs more commanly in the pediatric population,, which peaks in children aged six months to six years [2]. e impestion of foreign bodies is rarely seen in adults, accounting for 20% of these energencies, which generally accidental and commonly seen in the form of food (neat and bones) ingestion [3]. Patients who purposely swallowa true foreign body (nonfood daject) typically are younger and more oen male, associated psychiatric illness and/or e patient in this case admitted the drug abuse are connon [4] history of drug abuse and may had a little depression which caused him to draw out the venous indvelling needle and refuse further observation aler awake from the general anesthesia. Clinical presentations aler foreign bodies' ingestion depends on types and location of foreign bodies. Yao et al. [5] revealed that the most frequent symptomatic complaint aer foreign boodies ingestion was colynophacia (36.5%). Most of the imposted foreign bodies were located in the upper esophagus. irty-four patients did not complain of any symptoms aler foreign body impestion and were classified as asymptomatic patients in contrast to symptomatic patients ( = 192).

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- 10 Swamin A Lucas AL, Capiak K, Sethi A, Garcia-Carrasquillo R (2010) A foreign body larger than the overtube diameter: a case of a large cow