





# Behind Closed Doors: A Unique Case Of Rectal Foreign Body Retrieval

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### **Introduction:**

Rectal foreign bodies (RFB) present the surgeon with a difficult management dilemma, as the type of object, host anatomy, time from insertion, associated injuries and amount of local contamination may vary widely. Reluctance to seek medical help and to provide details about the incident often makes the diagnosis difficult. these patients of Management may be challenging, as presentation is usually delayed after multiple attempts at removal by the patients themselves have proven unsuccessful.

#### **Case report:**

A **27 year old male** patient presented to the emergency room with complaints of passage of bright red color stools with an **alleged history of accidental fall over a faucet which got stuck inside his rectum**. The patient had reported no complaints of pain in the abdomen, abdominal distension or non-passage of flatus, stools.

He was hemodynamically stable. On per abdominal examination, a foreign body was palpable in the left iliac fossa, 5 cm lateral to midline. The patient revealed no tenderness or guarding. On digital rectal examination, the lower metal edge of the **foreign body was felt about 5 cm from the anal verge**. Confirmation was done by a proctoscopy examination.

### **Discussion:**

Colorectal foreign bodies are infrequently encountered. Their presence is usually indicative of homosexuality, auto-erotism or a mentally unstable individual. Removal of retained foreign bodies can be a tedious process, requiring considerable skill and ingenuity on the part of the surgeon. A wide variety of objects have been noted in the literature, including bottles, vibrators, fruits and vegetables, tools, and miscellaneous items such as light bulbs, candles, balls, and flashlights. The wide variety of objects and variation in trauma to local tissues of the rectum and distal colon warrants a systematic approach to the diagnosis and management of rectal foreign bodies.

#### Rectum Injury Scale of the American Association for the Surgery of Trauma

**Grade I:** Contusion or hematoma without devascularization

Partial thickness laceration of wall

**Grade II:** Full-thickness laceration of wall that comprises < 50% of circumference

**Grade III**: Full-thickness laceration of wall that comprises > 50% of circumference

X-ray and CT scan showed a well-defined hyperdense, elongated, cylindrical structure with rounded distal end, showing beam hardening artifact within the rectum, reaching up to the sigmoid colon, suggestive of a foreign body.





Figure 1: X-Ray abdomen

Figure 2: 3D CECT

We decided proceed with **Trans-anal** to Under subarachnoid Extraction. block and lithotomy position, multiple attempts were made to extract the object with Foley's bulb inflation, but it was not negotiable beyond the upper **limit of the object**. The 'T' shape of the object and the that it had crossed the pelvic brim (as evident in the CT and Radiograph) were limiting the rotation of the object. This had impacted the object and had hence narrowed the lumen of the bowel. A decision was taken to proceed with a lower midline laparotomy and colostomy. An incision of 4 cm was taken over the taenia under general anesthesia. After transabdominal extraction, colostomy was closed with PDS 3-0 continuous sutures.

**Grade IV**: Full-thickness laceration that extends into the perineum

Grade V: Devascularized segment of rectum

# **Conclusion:**

There are various approaches for removal of foreign bodies in rectum and sigmoid. One should perform **least invasive to the most invasive means of extraction**. Transanal extraction with endoscopic assistance has been very effective in removal of foreign bodies without iatrogenic injury. In any case, if Transanal approaches are not successful, laparoscopic intervention is needed.

## **References:**

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