Società Triveneta di Chirurgia

“Casi Clinici: tu cosa faresti? - Premio under 40”

Lo strano compleanno del sig. G

M. Zuccaro V. Fiscon

Chirurgia Generale - Ospedale di Cittadella - AULSS 6 Euganea
No conflict of interest

No disclosure
Two years ago…

- Pt 61 yo
- HBV +, HCV +, HIV +
- Vital signs: stable
Extraction

- Rx Abd
- Blood tests
- Clinical evaluation
- Op Theatre for General Anesthesia
- Vacuum extractor after anal dilatation
Post Op

- I.V.
- N.B.M.
- A.B.
- Colonscopy: no bleeding or tear
Extraction

- Rx Abd
- Blood tests
- Clinical evaluation
- Op Theatre for General Anaesthesia
- Manual extraction after anal dilatation
Post Op

• Hospital admission
• I.V.
• N.B.M.
• A.B.
• Colonscopy: no bleeding, some tears
First case: 1919

Removal of exotic foreign objects from the abdominal orifices
Benjamin HB, Klamecki B, Haft JS.

Vaginal vibrator lodged in rectum
Haft JS, Benjamin HB, Wagner M.

To date 589 reported cases

Kurer MA et al Colorectal Dis 2010

Objects

- Plastic /glass bottle
- Cucumbers carrots
- Wooden
- Rubber objects
- Bulb tube light
- Axe handle
- Broomstick
- Vibrators
- Dildo
- Turkey baster
- Christmas ornament
- Utensils

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Seasonal Variation of Rectal Foreign Bodies: Data from Nationwide Inpatient Sample.

<table>
<thead>
<tr>
<th>Month</th>
<th>Number of cases with rectal foreign bodies ($n$)</th>
<th>Total number of admissions ($n$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>306</td>
<td>7,661,715</td>
</tr>
<tr>
<td>February</td>
<td>244</td>
<td>7,110,105</td>
</tr>
<tr>
<td>March</td>
<td>236</td>
<td>7,909,666</td>
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<tr>
<td>April</td>
<td>264</td>
<td>7,454,452</td>
</tr>
<tr>
<td>May</td>
<td>301</td>
<td>7,538,602</td>
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<tr>
<td>June</td>
<td>243</td>
<td>7,556,599</td>
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<tr>
<td>July</td>
<td>303</td>
<td>7,531,293</td>
</tr>
<tr>
<td>August</td>
<td>232</td>
<td>7,610,917</td>
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<tr>
<td>September</td>
<td>317</td>
<td>7,362,917</td>
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<tr>
<td>October</td>
<td>361</td>
<td>7,481,324</td>
</tr>
<tr>
<td>November</td>
<td>245</td>
<td>7,216,232</td>
</tr>
<tr>
<td>December</td>
<td>307</td>
<td>7,419,051</td>
</tr>
</tbody>
</table>

• Delay after failure to retrieve the foreign body after several attempts
• Indicators of failure FB: longer 10 cm, hard, sharp, migration upper sigmoidal rectal junction impacted for more than 2 days
• Indication to emergency surgery in suspicion of peritonitis

Ayantude AA Techn Coloproctol 2013
• Anesthesia to avoid muscular spasm
• Rectal examination to explore possible injury of internal and external sphincters
Some devices

- Manual extraction
- Foley catheter
- Sengstaken – Blakemore tube
- Endotracheal tube
- Tauber vaginal spatulas
- Obstetrical Forceps
- Vacuum extractor
- Endoscopy (pump air)
- Proctoscope and tenaculum by Morgenstem Berci

Lim KJ et al. Intest Res. 2015
Yilmaz B. et al. Endoscopy 2014
Singaporewalla RM Surg Lap End Perc Tech 2007
Andretta G. et al. Malt Orthop Surg 2017
Endoscopy

Abdominal Pressure
Success

- Clinical status
- Comorbidities
- Delay in presentation
- Resultant trauma to rectum and surrounding tissue

Coskun A. et al World Jour Surg 2013
Surgery

- Lap milking
  

- Colotomy +/- diversion stoma

- To Delay the correction of anal sphinter injury
  
  American Association for the Surgery of Trauma. J Trauma. 2001

- 75% extraction in ED, 25% OT: 8/17 laparotomy
  
- CT role emergency/delay
- Surgery stoma
- Timing for endoscopy
- Barium Enema role
- Fasting