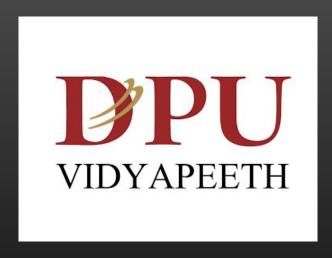
MULTIPLE MAGNETIC FOREIGN BODY INGESTION: "THE ATTRACTIVE HAZARDS"



DR. MANISH KUMAR KASHYAP (ASSISTANT PROFESSOR)
DR. PRANAV JADHAV (HOD)
DEPARTMENT OF PAEDIATRIC SURGERY
DR. D.Y. PATIL MEDICAL COLLEGE, PUNE

2 YEARS GIRL

- PAIN ABDOMEN
- VOMITING

SINCE 3-4 DAYS

X-RAY DONE OUTSIDE- REFERRED TO US I/V/O FOREIGN BODY INGESTION (PARENTS NOT AWARE)

VITALS STABLE

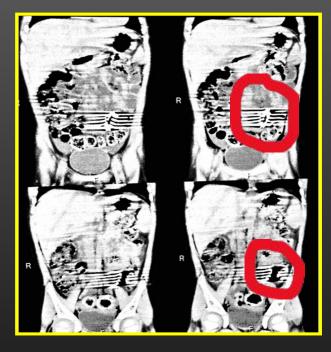
O/E - ABDOMEN- COMPLETELY SOFT AND NON TENDER

SINCE THE X-RAY SHOWED NO SIGNS OF OBSTRUCTION AND PT. WAS STABLE, WAITED FOR 2-3 DAYS TO PASS FOREIGN BODY

INVESTIGATIONS







Serial x-ray

CT scan

USG and Ct scan-s/o foreign body in ileum

Adult gastroenterology opinion taken by pediatrician but patient was referred to us for further management

PLAN

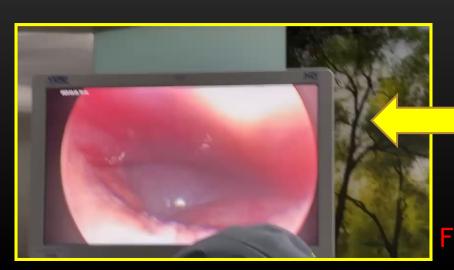
LOWER GI SCOPY WITH ATTEMPT OF FB REMOVAL -

PAEDIATRIC GASTROENTEROLOGIST

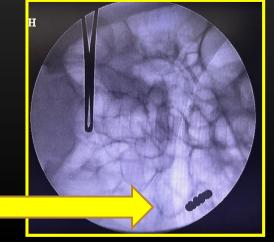


SOS LAPAROSCOPY SOS LAPAROTOMY

(C-ARM GUIDANCE IF NEEDED)



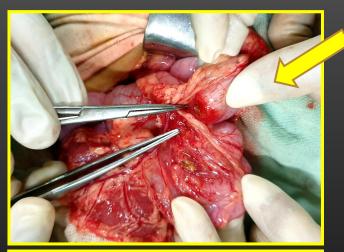
LOWER G.I SCOPY

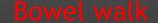


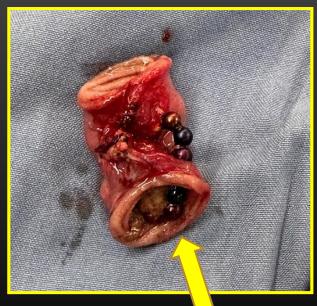
FOREIGN BODY

INTRA-OPERATIVE FINDINGS

bowel walk - mid jejunal perforation!!! resection anastomosis of jejunal segment







Perforated site

Excised specimen

Post-op and recovery - uneventful





ANANDI SIDDHANT WADMARE

Flat A 1106 Pushpak Soc Dudulgaon Alandi,

PID: 3835678 PRN: PRN000002145828 IPOP:PRNIP250018 Age: 2.03 Years Sex: FEMALE

Ref.:Dr.PRANAV JADHAV

ample Collected At: PRIVATE WARD Dr. D. Y. Patil Medical College. fospital & Research Centre.

Sant Tukaram Nagar, Pimpri Colony, Pune.

SID: 324607933

Collection Date 18-03-2025 02:18 PN Registration Date 18-03-2025 03:19 pm Report Date 22-03-2025 09:38 AM

HISTOPATHOLOGY REPORT	
HPE no. :	B/1505/25
Clinical details :	C/o pain in abdomen since 4 days.
Nature of specimen	HPE of excised specimen of jejunum with foreign body.
Gross Examination :	Received an already cut open segment of intestine measuring 3.5 cm in length with two donuts measuring 1.2 x 1 x 1 cm and 1.1 x 1 x 1 cm. Externally - Adherent beads of magnet (foreign body identified) at one end penetrating into the mucosa. Externally, there is a congested area identified measuring 0.8 x 0.3 cm. near the foreign Body. It is 1 cm away from one end and 2.5 cm from other end. Mucosa appears unremarkable. A, B - received separately (margin). C1 - from farther end. C2 - Perforated area. C3, C4 - Perforated area C5, C6 - Congested area with normal adjacent mucosa.
Microscopy :	Multiple sections from the perforated area and other adjacent areas of the jejunum show foci of ulcerated mucosa with necrosis and mixed inflammation by lymphocytes, neutrophils and occasional macrophages. Subepithelial tissue shows edema with congested blood vessels. Focus of foreign body deposits noted. No evidence of granuloma or malignancy with section studied.
Diagnosis :-	Acute necrotizing and perforating jejunitis secondary to foreign body.

If Specimen preserved, it will be retained in the laboratory for 12 weeks from the date of receipt.

Acute necrotizing and perforating jejunitis secondary to foreign body.

MULTIPLE MAGNETIC FOREIGN BODIES INGESTION

- SINGLE MAGNET MAY BE UNEVENTFUL
- MULTIPLE MAGNETS / MAGNET + SECOND METALLIC FB PROBLEMATIC

ONCE FOREIGN BODIES TRAVEL BEYOND THE OESOPHAGUS, MOST
TRAVERSE THE TOTAL COMPLICATIONS

REVIEW OF LITERATURE

COMPLICATIONS REPORTED DUE TO MULTIPLE MAGNETS INGESTION IN PAEDIATRIC AGE GROUP

- MULTIPLE PERFORATIONS- DUE TO PRESSURE NECROSIS ON EACH BOWEL WALL CAUSED BY THE MAGNETIC ATTRACTION
- SMALL BOWEL OBSTRUCTION
- SMALL BOWEL FISTULA
- VOLVULUS

MANAGEMENT

1) Non-operative management - serial Xrays +/- bowel regime, Admission & very close monitoring (Only in asymptomatic patients)

ENDOSCOPIC/LAPAROSCOPIC REMOVAL MAY BE INDICATED IN CASE OF NON-PROGRESSION AFTER 48 HOURS

- 2) ENDOSCOPIC REMOVAL +/- ABDOMINAL SURGERY
- 3) LAPAROSCOPY
- 4) LAPAROTOMY



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Multiple magnetic foreign bodies causing complex intestinal fistula

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- ^b CEO, Bai Jerbai Wadia Hospital for Children, Mumbai, 400012, India
- ^c Paediatric Surgery, Bai Jerbai Wadia Hospital for children, Acharya Dhone Marg, Parel, Mumbai, 400012, India



MOJ Clinical & Medical Case Reports

Case Report





Double magnets causing double perforations – a case report

Abstract

Magnets are unusual gastrointestinal foreign bodies. Ingestion of multiple magnets may lead to serious complications including bowel perforation. We are presenting the case of an 11 year old girl who ingested 2 singing magnets. The patient presented with a history of pain abdomen and bilious vomiting and constipation of one day duration, 20 days after ingestion of the magnets. On examination there was distension of abdomen and severe tenderness all over the abdomen along with rigidity. Abdominal radiograph showed the presence of foreign bodies in the abdomen. In view of features of peritonitis the patient was taken up for an exploratory laparotomy. Intraoperatively two perforations were found, one in the jejumum and the other in the ileum. The perforations were caused due to the pressure

Volume 10 Issue 6 - 2020

Anusiri Inugala

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Received: October 12, 2020 | Published: November 06, 2020

Two more cases

1. In KEM, MUMBAI

2. DR. APOORVA MAKAN



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Case Report

Perils in the playpen: Duodenojejunal fistula in a child following ingestion of two toy magnets Keywords:

Sundeep Kisku, Tarun John, Nijagal Mutt Dept of Pediatric Surgery Christian Medical College, Vellore TN 632004. India.

Corresponding Author: Dr Sundeep Kisku

Email: skisku@yahoo.com

DOI: http://dx.doi.org/10.7869/tg.264



Journal of Indian Association of Pediat

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CASE REPORT

Year: 2013 | Volume: 18 | Issue: 4 | Page: 160-161

Multiple magnet ingestion: An uncommon cause of peritonitis

Shraddha Verma, Sunil Shinde, Chhabi Ranu Gupta

Department of Pediatric Surgery, Chacha Nehru Bal Chikitsalaya, New Delhi, India

Date of Web Publication

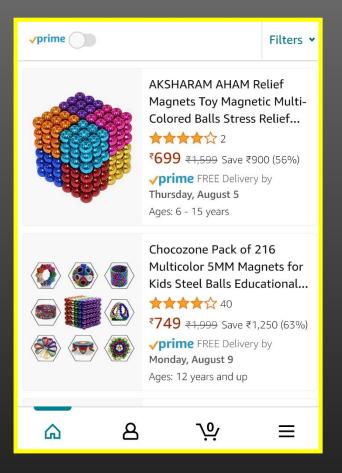
8-Nov-2013

Correspondence Address:

Shraddha Verma

Department of Pediatric Surgery, 5th Floor, Chacha Nehru Bal Chikitsalaya, New Delhi India





Features & details

Magnet balls will be a great gift for youth, teenager kids. Besides, it will also be a good toy for adults to release stress. You masterpiece of colourful cubes can be a great decoration for your home or office desk too! Suitable for office use, used for creativity and craft decoration on your desktop magnetic balls.

Magnetic balls for kids are 100% Non-Toxic Material: Magic toys are made with premium quality metal Durable, light weight, Non-oxidative. With magic properties, can be arbitrarily combined with the ever-changing geometric patterns, entertainment, creativity

 Magnet ball are Collection of fresh, creative, inspiration, strange, intellectual, interesting,

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Stress to paediatrician and paediatric surgeon!!!

 Balls for Kids: Collection of fresh, creative, inspiration, strange, intellectual, interesting, decompression in one. A product that can be constructed and engineer limitless shapes and structures. Can be shaped as necklaces, bracelets, or any type of jewelry. NO HAZARD WARNING FOR CHILDREN!!!!

TAKE HOME MESSAGE

 MAGNETIC FB - MAY BE INNOCENT IN SOLITUDE, BUT HAZARDOUS IN GROUPS!!

 HIGH INDEX OF SUSPICION AND EARLY INTERVENTION IN CASE OF MULTIPLE MAGNETIC FB INGESTION

RAISING AWARENESS AMONG PARENTS – NEED OF THE HOUR

 MANUFACTURERS HAVE TO PUT WARNING LABELS ON THESE TOYS EMPHASIZING THE LIFE THREATENING HAZARDOUS COMPLICATIONS IN CASE OF ACCIDENTAL INGESTION

PREVENTION IS BETTER THAN CURE!









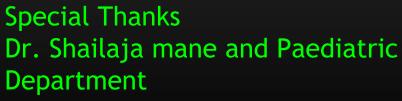








THANK YOU



Dr. Sonal and Paediatric Anaesthesia Dr. Vishnu Biradar, Gastroenterologist

