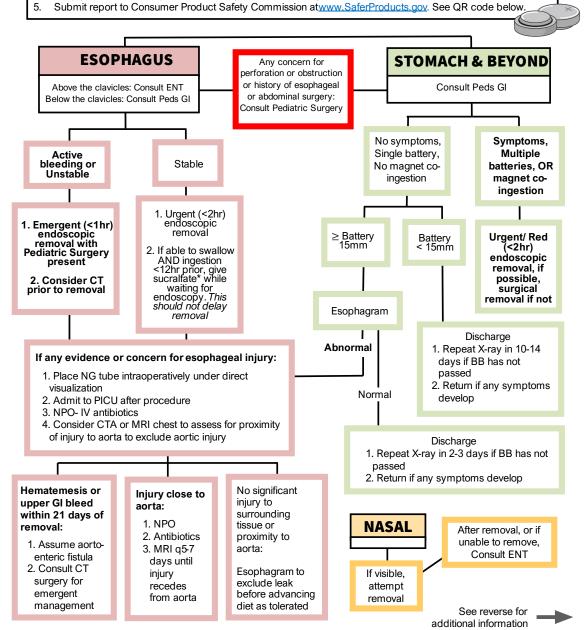


Foreign Body Ingestion Algorithms: Button Battery, Coin/Blunt Objects, Magnet, Sharp Objects, Esophageal Food Impaction

Obtain Button Battery (BB) information, if possible. Call National Battery Ingestion Hotline: 800-498-8666.

- Obtain STAT X-rays: lateral neck (including nasal cavities and nasopharynx) and AP or PA chest, and AP abdomen/pelvis views.
- 4. Keep patient NPO except for sucralfate (as directed below). Start IV and MIVF.







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CHILDREN'S HOSPITAL



- Removal should be performed under general anesthesia
- · Inspect mucosa for extent, location, and depth of damage

Discharge Considerations

- · Bowel regimen
- Reliable/competent caregiver
- · Regular diet
- · Encourage activity
- Educate on signs of GI bleed (bloodstained vomiting, melena, abdominal pain, change in eating pattern) or features of intestinal obstruction (persistent vomiting, abdominal distention)

References

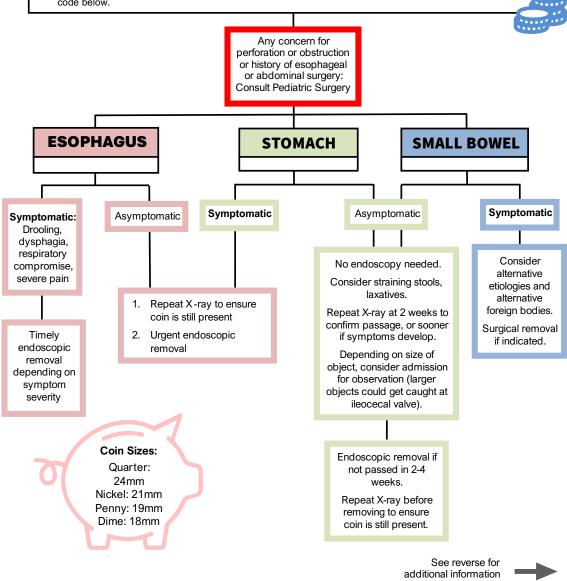
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- Journal of Pediatric Gastroenterology and Nutrition60(4):562574, April 2015. doi: 10.1097/MPG.0000000000000729
- National Capital Poison Control: www.poison.org/battery/guideline
- https://www.chop.edu/clinical-pathway/foreign-body-ingestion-clinical-pathway

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COIN & OTHER BLUNT OBJECT INGESTION

- Obtain history: Ensure no concern for button battery or magnet ingestion (refer to those algorithms
 if there is concern).
- Obtain STAT X -rays: lateral neck (including nasal cavities and nasopharynx) and AP or PA chest, and AP abdomen/pelvis views.
- 3. Keep NPO. If symptomatic or esophageal FB, start IV and MIVF.
- Consult: ENT for above the clavicles; Peds GI for esophagus, below clavicles, or as needed for stomach or intestinal FB.
- Submit report (if applicable) to Consumer Product Safety Commission at <u>www.SaferProducts.gov</u>. See QR code below.





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CHILDREN'S HOSPITAL



- Removal should be performed under general anesthesia
- · Inspect mucosa for extent, location, and depth of damage

Discharge Considerations

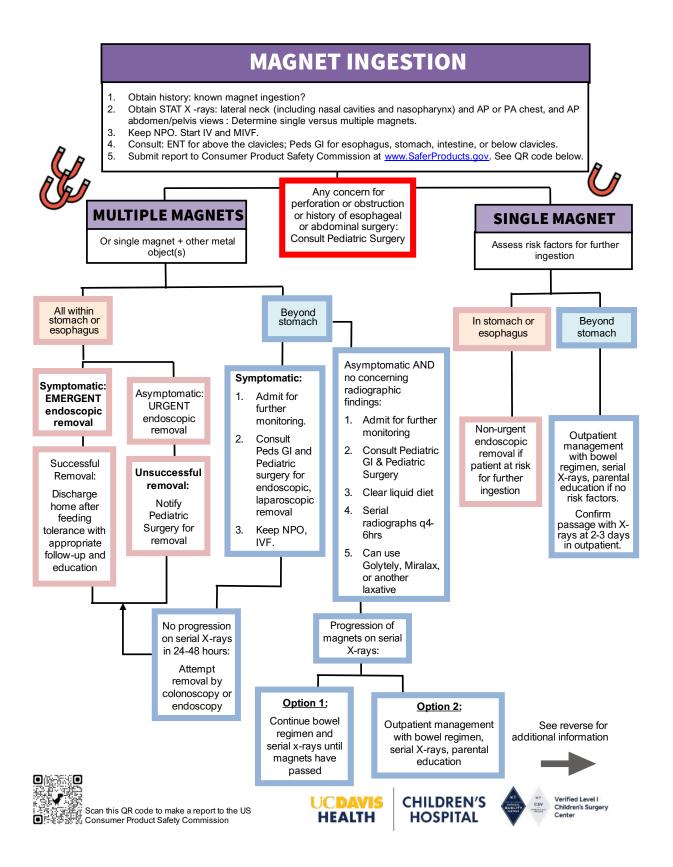
- · Bowel regimen
- Reliable/competent caregiver
- · Regular diet
- · Encourage activity
- Educate on signs of GI bleed (bloodstained vomiting, melena, abdominal pain, change in eating pattern) or features of intestinal obstruction (persistent vomiting, abdominal distention)

References

- Management of Ingested Foreign Bodies in Children: A Clinical Report of the NASPGHAN Endoscopy Committee Kramer, Robert E.; Lerner, Diana G.; Lin, Tom; Manfredi, Michael; Shah, Manoj; Stephen, Thomas C.; Gibbons, Troy E.; Pall, Harpreet; Sahn, Ben; McOmber, Mark; Zacur, George; Friedlander, Joel; Quiros, Antonio J.; Fishman, Douglas S.; Mamula, Petar
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- · Removal should be performed under general anesthesia
- · Inspect mucosa for extent, location, and depth of damage

Discharge Considerations - When Waiting for Single Magnet to Pass

- · Bowel regimen
- · Reliable/competent caregiver
- · Regular diet
- · Encourage activity
- Educate on signs of GI bleed (bloodstained vomiting, melena, abdominal pain, change in eating pattern) or features of intestinal obstruction (persistent vomiting, abdominal distention)
- · Remove any magnetic objects nearby
- · Avoid clothes with metallic buttons or belts with buckles
- Ensure no other metal objects or magnets are in the child's environment for accidental ingestion
- Discuss notification of Product Safety Commission

References

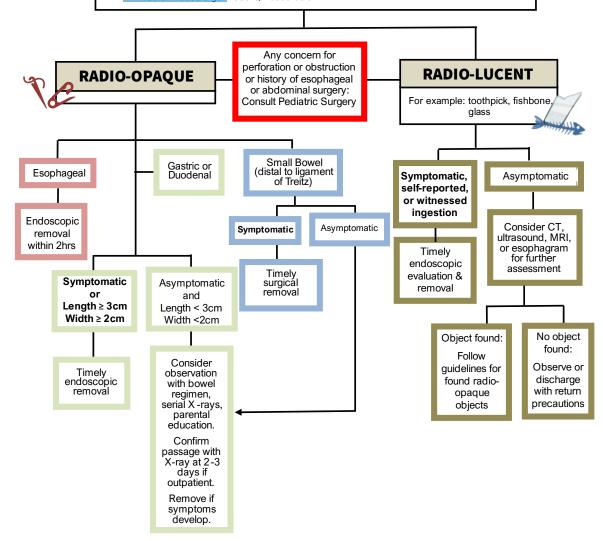
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- Journal of Pediatric Gastroenterology and Nutrition60(4):562574, April 2015. doi: 10.1097/MPG.00000000000000729
- · National Capital Poison Control: www.poison.org/battery/guideline
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SHARP OBJECT INGESTION

- Obtain STAT X -rays: lateral neck (including nasal cavities and nasopharynx) and AP or PA chest, and AP abdomen/pelvis views.
- 2. Keep NPO. If esophageal or symptomatic, start IV and MIVF.
- 3. Consult: ENT for above the clavicles; Peds GI for esophagus, intestine, or below clavicles.
- Submit report (if applicable) to Consumer Product Safety Commission at <u>www.SaferProducts.gov.</u> See QR code below.



See reverse for additional information





Scan this QR code to make a report to the US Consumer Product Safety Commission



CHILDREN'S HOSPITAL



- · Removal should be performed under general anesthesia
- · Inspect mucosa for extent, location, and depth of damage
- If sharp end is facing cephalad, consider pushing the object into the stomach and rotate the sharp end caudally before removal
- · Safety pin: polypectomy snare can be used to close it before withdrawal
- Toothpick: polypectomy snare is a good option

Discharge Considerations

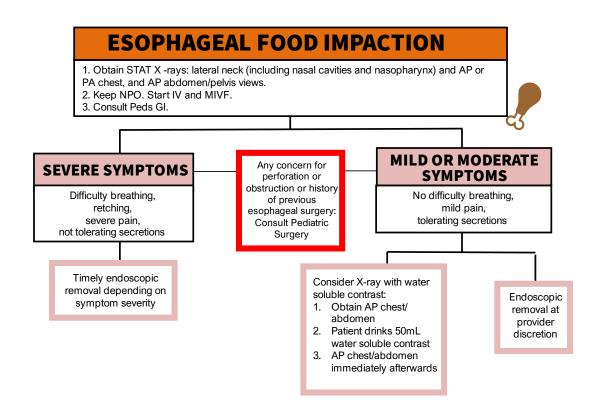
- · Reliable/competent caregiver
- · Regular diet
- Encourage activity
- Educate on signs of GI bleed (bloodstained vomiting, melena, abdominal pain, change in eating pattern) or features of intestinal obstruction (persistent vomiting, abdominal distention)

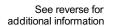
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- Management of Ingested Foreign Bodies in Children: A Clinical Report of the NASPGHAN Endoscopy Committee Kramer, Robert E.; Lerner, Diana G.; Lin, Tom; Manfredi, Michael; Shah, Manoj; Stephen, Thomas C.; Gibbons, Troy E.; Pall, Harpreet; Sahn, Ben; McOmber, Mark; Zacur, George; Friedlander, Joel; Quiros, Antonio J.; Fishman, Douglas S.; Mamula, Petar
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- Removal should be performed under general anesthesia
- · Inspect mucosa for extent, location, and depth of damage
- · Obtain proximal and distal esophageal biopsies
- Assess for stricture. Dilation is cautioned against if eosinophilic esophagitis is suspected, or food has been impacted for a long duration

Discharge Considerations

• Ensure patient has appropriate GI followup

References

- Management of Ingested Foreign Bodies in Children: A Clinical Report of the NASPGHAN Endoscopy Committee Kramer, Robert E.; Lerner, Diana G.; Lin, Tom; Manfredi, Michael; Shah, Manoj; Stephen, Thomas C.; Gibbons, Troy E.; Pall, Harpreet; Sahn, Ben; McOmber, Mark; Zacur, George; Friedlander, Joel; Quiros, Antonio J.; Fishman, Douglas S.; Mamula, Petar
- Journal of Pediatric Gastroenterology and Nutrition60(4):562574, April 2015. doi: 10.1097/MPG.0000000000000729
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