

# ED BUTTON BATTERY FOREIGN BODY – PEDIATRIC (29 Days of Age to 17 Years of Age Less 1 Day)

Weight (kg)

Bulleted orders are initiated by default, unless crossed out and initialed by the physician / prescriber. Boxed orders () require physician / prescriber check mark () to be initiated.

Button battery ingestion is considered a **life-threatening emergency**. Esophageal injury can occur within 2 hours post ingestion, with risk of **massive hemorrhage** and **sepsis**.

Ensure early initiation of appropriate care protocols and referrals as per local and regional processes.

[Provincial Protocol Button Battery Treatment Algorithm](#)

[Provincial Protocol Button Battery Ingestion - Pediatrics](#)

ED Sepsis Initial Management - Pediatric (29 Days to 17 Years of Age Less 1 Day) Order Set #829598

1. **ALLERGIES:** see #826234 – Allergy and Adverse Reaction Record

2. **CONSULTS**

\*\*Consults vary by local and regional services and referral patterns. Please consult local processes for most appropriate consults from the list below\*\*

- Pediatrics    CHARLIE    ENT    GI    General Surgery    Respiratory Therapist  
 BC Poison Control Centre (1-800-567-5911)    Other \_\_\_\_\_

3. **DIET**

- NPO - medications with sips

4. **MONITORING**

- Monitor output for potential foreign body
- Point-of-Care Capillary Blood Glucose **STAT**
- Continuous SpO<sub>2</sub> monitoring
- Continuous cardiac monitoring
- Continuous end-tidal CO<sub>2</sub> monitoring

5. **LABORATORY**

- CBC, Lytes4, Creatinine incl. GFR, Glucose Random, Urea  
 Blood Gases – Venous   **\*\*OR\*\***    Blood Gases – Arterial   **\*\*OR\*\***    Blood Gases – Capillary  
 Group and Screen  
 Other \_\_\_\_\_

6. **DIAGNOSTICS - STAT**

- ECG 12 LEAD (under 2 years)   **\*\*OR\*\***    ECG 12 LEAD (2 to 16 years)  
 CHEST PEDS less than 17 years PORT [RAD]   **\*\*OR\*\***    CHEST PEDS less than 17 years [RAD]  
 ABD SGL VIEW [RAD]  
 SOFT TISSUE NECK [RAD]  
 FACIAL BONES [RAD] (*If unknown ingestion route or nasal foreign body suspected*)

Date (dd/mm/yyyy)	Time	Prescriber's Signature	Printed Name or College ID#
/ /			

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## 7. TREATMENTS

- Oxygen to keep SPO<sub>2</sub> greater than 92% or for signs of shock or respiratory distress
- Establish peripheral IV access × 2
  - If unable to insert peripheral IV within 5 minutes OR after 2 failed attempts establish intraosseous (IO)
- Insert indwelling urinary catheter to urometer

## 8. IV THERAPY AND HYDRATION

### A. IF SIGNS OF SHOCK PRESENT

Administer IV crystalloid bolus

#### IV Fluid Bolus

- Lactated Ringer's Solution \_\_\_\_\_ mL (10 to 20 mL/kg) IV/IO over \_\_\_\_\_ minutes (recommended over 5 to 30 minutes)
- \*\*OR\*\***
- Sodium Chloride 0.9% \_\_\_\_\_ mL (10 to 20 mL/kg) IV/IO over \_\_\_\_\_ minutes (recommended over 5 to 30 minutes)

### B. IF NO SIGNS OF SHOCK PRESENT

Administer maintenance IV fluids. Do not give IV boluses unless clinical signs of shock arise or if directed by Pediatrician.

#### Maintenance IV Fluids

- D5NS \_\_\_\_\_ mL/H IV/IO

## 9. MEDICATIONS

If clinical concern of perforation or if signs/symptoms of sepsis initiate **ED Pediatric Sepsis Initial Management Order Set #829698**

If patient is stable and witnessed ingestion or less than 12 hours since suspected ingestion:

- sucalfate 1 g PO Q10MIN × 3 doses total**  
\*\*If sucalfate unavailable and patient is greater than 12 months of age, consider use of honey 10 mL PO Q10MIN × 6 doses total (non-formulary)\*\*

If severe hypotension or hypotension refractory to IV fluids:

- EPINEPHrine IV/IO continuous infusion starting at 0.05 mcg/kg/min – titrate to a max of 1 mcg/kg/min targeting MAP goal of \_\_\_\_\_ mmHg (suggested maximum MAP 65 mmHg) \*\*Notify physician if unable to obtain target MAP\*\***

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