Austin **Button (Disc) Battery Ingestion** Suspected button battery ingestion is a surgical emergency and urgent removal from the oesophagus or airway is required due to potential for corrosive injury **Toxicity / Risk Assessment** Management - X-ray entire alimentary tract in any suspected button battery ingestion Lithium batteries of >20mm diameter = \uparrow risk **URGENT** endoscopic/surgical removal if: for lodging and causing serious injury - Battery/batteries lodged in airway /oesophagus /ear/nose/rectum/vagina Smaller cells, however, may also lodge and cause - Co-ingestion of strong magnet or multiple batteries swallowed - Clinically unstable / actively bleeding injury Oesophagus + airway are the main sites of concern 10 mL of honey every 10 minutes (up to 6 doses in children > 12 months old) may be administered orally as first Injury can occur within 2 hours aid but MUST NOT delay transport to hospital, X-ray, and endoscopy if indicated. High level of caution should be exercised with After button battery removal from the proximal oesophagus or oesophagus, all patients should undergo awake nasopharyngeal endoscopy or bronchoscopy to exclude vocal cord dysfunction or trachea-oesophageal fistula young children as early symptoms are often non-specific (pain, nausea, vomiting or loss of prior to discharge to establish a baseline for further assessment. appetite) and a history may not be readily **Battery within stomach** - Symptomatic patients (pain, nausea, vomiting +/- haematemesis) should have **URGENT** endoscopy available Further imaging beyond plain AXR is only required - Asymptomatic patients may be discharged and return for repeat AXR in 48 hours after endoscopic removal to evaluate extent of - **Emergent** removal is indicated in asymptomatic patients if still in stomach 48 hours post ingestion of injury (CT, MRI, bronchoscopy) - Patients should be advised to represent earlier if they develop any symptoms in the interim **Battery distal to the stomach** There is **no** indication to measure blood - If asymptomatic, can be discharged home to observe for passage over the next 1-2 weeks

concentrations of mercury, lithium or other battery ingredients

AUSTIN CLINICAL TOXICOLOGY SERVICE GUIDELINE

POISONS INFORMATION CENTRE: 13 11 26

In scenarios where endoscopic removal is indicated but not possible, refer for surgical removal

- Patients should be advised to represent earlier if they develop any symptoms in the interim

- A repeat AXR should be obtained to ensure passage after 10-14 days if not observed in faeces