

HNE AREA Intensive Care

Paediatric Drug infusion Guideline

Approved For: JHH ICU only

CALCIUM GLUCONATE 10%

Trade Name:

Presentation: 2.2 mmol of calcium in 10 ml (10% solution 1gm in 10ml)

Indications: (*calcium chloride is not to be used*)

- Hypocalcaemia, Electrophysiological antagonist in hyperkalaemia or hypermagnesaemia,
- Treatment of calcium channel blocker overdose

Administration; Resuscitation: 0.5ml (10% sol'n)/kg/dose, maximum 20ml, repeat as needed after 10 minutes

Acute hypocalcaemia: 5ml (10% sol'n)/kg/24hrs, by intermittent or continuous infusion. Base dosage on serum level

Dose

Precautions

- Hypotension, cardiac dysrhythmias, bradycardia particularly with rapid infusion
- Vein irritation, marked tissue sloughing and necrosis can occur with extravasation. **Should be administered via central line unless emergency. Must never be given via scalp vein.**

Compatibilities: Compatible with: All isotonic IV fluids

Incompatible with: Adrenaline, dobutamine, sodium bicarbonate, cephalothin, potassium phosphate, sodium phosphate

Created: 01-Aug-98 by Dr M Rowley Reviewed: 01-Jun-08 by Dr M Rowley Guideline to be reviewed before : 01-Jun-11
These guidelines are intended for and to be used only by experienced critical care staff under direct supervision of Hunter Health Area Intensive Care Specialists in designated Hunter Health Area Critical Care Areas. The Authors will not be responsible for inappropriate use of these guidelines