## SODIUM CHLORIDE

### PRESENTATION:
- **Ampoule:** 2g in 10mL (20%)  
  Contains 3.4mmol of sodium per mL
- **Oral Solution:** 1mmol/mL (KEMH)  
  2mmol/mL (PMH)

### ACTION & INDICATION:
- Sodium supplement
- Hyponatraemia (<130mmol/l)

### DOSE:
- **IV:**  
  To calculate dose  
  Required mmol of sodium  
  \[= \text{weight (kg)} \times 0.6 \times \{140 - \text{infant's sodium level (mmol/l)}\}\]  
  Oral:  
  2 - 4 mmol/kg/day in 3 divided doses

### PREPARATION:
- **IV Infusion:**  
  Using sodium chloride 20%  
  Withdraw (required mmol of sodium divided by 3.4)mL.  
  Dilute to 25mL with appropriate diluent  
  Compatible fluids: 5% glucose, 10% glucose

### ADMINISTRATION:
- **IV:**  
  Run the infusion at the rate of 1mL per hour  
  Give via central line if available. If giving through UVC make sure the tip of the UVC is not in the heart or the liver.  
  Oral: May be given at any time with regard to feeds.

### ADVERSE EFFECTS:
- Rapid infusion can cause pulmonary oedema, respiratory arrest, renal failure, convulsions
- Monitor serum Sodium 6 hourly
- Hypernatraemia – monitor electrolytes

### REFERENCES:
- Paediatric Pharmacopoeia 13th Ed Royal Children’s Hospital Melbourne

### DATE:
- October 2013