# NEONATAL MEDICATION PROTOCOLS

**FRUSEMIDE**  
*Created by: NCCU*  
*Date for review: Aug 2016*

## DRUG:
FRUSEMIDE

## PRESENTATION:
- **Ampoule:** 20mg / 2mL  
- **Oral Solution:** 10mg / mL

## ACTION & INDICATION:

## DOSE:
- **IV/IM:**
  - 0.5 - 1 mg / kg / dose 12 - 24 hourly  
  - Continuous IV infusion:  
    - 50 – 400 microgram/kg/hour  
  - **Oral:**
    - 0.5 - 2 mg / kg / dose 12 – 24 hourly.  
    - Dose may be increased to 6mg / kg / dose in resistant cases

## ADMINISTRATION:
- **Oral:** May be given at any time with regard to feeds.  
- **Intramuscular:** As per NCCU policy.  
- **Intravenous:** Over 3-5 minutes  
  - May be diluted with Water for Injections, Sodium Chloride 0.9%

## ADVERSE EFFECTS:
- Disturbance of water and electrolyte balance - monitor urea and electrolytes  
- Consider addition of potassium sparing diuretic with prolonged therapy.  
- Displaces bilirubin from albumin  
- Potentially ototoxic. Initiate follow-up hearing test in infants with cumulative dose >10mg/kg  
- Refrigerate oral solution.  
- Discard 21 days after opening.

## REFERENCES:
- BNF for Children 2013  
- Paediatric Pharmacopoeia 13th Ed Royal Women’s Hospital Melbourne  

## DATE:
August 2013