### DRUG: INDOMETHACIN

**PRESENTATION:**
- Vial KEMH: 1000microg/5mL (200microgram/mL)
- Oral Suspension: 250 microgram/mL

**ACTION & INDICATION:**
- Prostaglandin synthetase inhibitor
- Closure of haemodynamically significant patent ductus arteriosus
- Prevention of intraventricular haemorrhage

**DOSE:**

**IV:**
- Initial dose: 200microgram/kg/dose
- Subsequent doses: 100-200microgram/kg/dose every 24 hours for 2 doses.
- A further 2 doses may be given if required (max. 5 doses)

**Oral:**
- Initial and subsequent dose: 200microgram/kg/dose every 24 hours for 3 - 5 doses.

*(Infant must be on at least 100mL/kg/day of oral feeds before starting oral administration)*

**PREPARATION:**
- IV: No further dilution required (200micrograms/mL)
- Oral Suspension prepared in Pharmacy

**STORAGE:**
- IV: SCN3 Fridge
- Refer to outer packaging for updated expiry date (28 days post defrosting)
- Vials are kept frozen in Pharmacy prior to supply to NCCU

**ADMINISTRATION:**
- Intravenous: Infuse over 20-30 minutes. Flush bung with 0.5mL of Sodium Chloride 0.9% over at least 30 minutes.
- Oral: Given with or immediately after feeds.

**ADVERSE EFFECTS:**
- Hyponatraemia, hyperkalaemia, oedema, GI bleeding, abdominal distension, transient ileus, NEC, decreased platelet aggregation
- Nephrotoxicity - use with caution with other renally excreted drugs.

**COMMENTS:**
- Monitor urea and electrolytes.

**REFERENCES:**
1. Paediatric Pharmacopoeia 13th Ed Royal Children’s Hospital Melbourne
2. Neofax 2014
3. BNF for Children 2014
4. AHFS Drug Information 2014

**DATE:** November 2014