### FLUCYTOSINE

**PRESENTATION:**
- Infusion solution: 2.5 g/250 mL
- Unit dose syringes: 10 mg/mL (Prepared in Pharmacy).
- Oral Solution: 10mg/mL (Prepared in Pharmacy).

**ACTION & INDICATION:**
Antifungal agent for systemic fungal infections. Should always be used in combination with another appropriate antifungal agent.

**DOSE:**
- **Usual dose:**
  - 25-37.5 mg/kg/dose 6 hourly
- **Severe infection:**
  - 50 mg/kg/dose 6 hourly
- **Acute infections:**
  - 2 - 4 weeks therapy
- **Subacute/chronic infections:**
  - Prolonged therapy

**ADMINISTRATION:**
- Intravenous: Infuse over 30 minutes via syringe pump
- Oral: May be given at any time with regard to feeds.

**ADVERSE EFFECTS:**
- Bone marrow toxicity
- Hepatotoxicity

**COMMENTS:**
- Increase interval between doses in renal impairment.
- Must be used in combination with another antifungal agent.
- Store intravenous preparations between 15 and 25°C

**Cytotoxic handling and disposal procedures should be followed**

**DRUG MONITORING:**
- Sampling time:
  - Pre and post levels to be taken at the THIRD dose (so as to ensure therapeutic levels) and weekly thereafter.
  - **Trough level:** Immediately prior to dose.
  - **Peak level:**
    - IV: 30 minutes after completion of infusion.
    - Oral: 3 hours post dose
  - **Trough:** 25 - 40 mg/L
  - **Peak:** 60 – 80 mg/L

**REFERENCES:**
Neofax 2012

**DATE:**
August 2013