

Status Drug formulation guidelines

Levetiracetam (Keppra) 40mg/kg over 5min (Unlicensed)

Dilute the required dose of Levetiracetam to a concentration of 50mg/mL and administer over 5 minutes into a peripheral IV cannula.

Compatible infusion fluids: Sodium Chloride 0.9% w/v or Glucose 5% w/v

(Ref: Alderhey Childrens hospital Liverpool. Guidelines on the Use of Intravenous Levetiracetam. 04/06/2020 - guidance attached)

Phenytoin 20mg/kg

A **0.2micron filter** must be used when giving Phenytoin. Filters included in Status Bag.

Phenytoin may be given in an initial dose of 20 mg/kg IV at a rate of 1 mg/kg per minute (maximum rate 50 mg/min).

Compatible with Sodium Chloride 0.9%. (Incompatible with Glucose solutions)

(As per Crumlin guidelines. Caution - note maximum concentration guidance in CHI prescribing guidelines.)

Sodium Valproate 20mg/kg

Valproate is given in a loading dose of 20 to 40 mg/kg IV (diluted 1:1 with normal saline or 5% dextrose in water)

Lacosamide (Vimpat) IV over 15 minutes

Intravenous: using Vimpat (lacosamide) 10mg/ml solution for infusion

Compatible infusion fluids: 100mls Sodium Chloride 0.9% w/v or Glucose 5% w/v

Method of Administration: IV infusion over 15-60 minutes. If given peripherally use a large vein and monitor injection site closely.

Phenobarbital 20mg/kg

Intravenous: Using Phenobarbital Sodium 60mg/ml or Phenobarbital Sodium 200mg/ml

Compatible infusion fluids: Sodium Chloride 0.9% w/v or Glucose 5% w/v, Maximum concentration 20mg/ml

Method of Administration: Slow IV injection at maximum rate of 1mg/kg/minute OR IV infusion over at least 20 minutes.