Birmingham Children's Hospital Injectable Medicine Guide

LEVETIRACETAM IV Loading in Status Epilepticus

Presentation

Levetiracetam 100mg/ml (5ml vials)

Prescribing

Prescribe on the once only section of the drug chart Dose 40mg/kg STAT – (maximum 3000mg)

Use 40mg/kg STAT regardless of if patient is on regular levetiracetam.

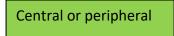
Storage

Store at room temperature (<25° C)

Preparation/ Dilution

Dilute to 50mg/ml using sodium chloride 0.9%.

Route of Administration



Rate of Administration

Give over 5 minutes

Stability

Use immediately- assign 1 hour expiry to IV label.

Flushes

Sodium chloride 0.9%

Common compatibilities at terminal Y-site

Maintenance IV fluids containing sodium chloride/ glucose with or without potassium chloride. Contact pharmacist for further advice.

Monitoring/ Other comments

If appropriate continue regular maintenance levetiracetam dosing 12 hours after the loading dose.

Extravasation risk

| Extreme of pH | Hyperosmolar | Vasoactive | Vesicant |
|---------------|--------------|------------|----------|
| No pH 5.5 | Yes >5mg/ml | No | No |

Links to other protocols/ guidelines None known currently

Calculation example

e.g. 30kg child . Prescribe levetiracetam IV 1200mg on the ED chart.

Administer as follows:

Draw up 12ml levetiracetam 100mg in 1ml, and dilute to 24ml using sodium chloride 0.9%. Label as per Trust policy. Give as IV infusion over 5 minutes.