Thiamine hydrochloride Intravenous for Adults

Who can administer

May be administered by registered competent doctor or nurse/midwife

Important information

- Unlicensed product
- To be used when stocks of intravenous Pabrinex are exhausted
- Facilities for treating anaphylaxis should be available when administering this preparation

Available preparations

Thiamine Vitamin B1 **200mg in 2ml** ampoule (Hevert)Â

Thiamine Vitamin B1 **100mg in 2ml** ampoule (Ratiopharm)Â

Note: two different strengths available- take care in selection

Reconstitution

Already in solution
Draw up using a 5 micron filter needle
Dilute further prior to administration

Infusion fluids

Sodium chloride 0.9% or Glucose 5%

Methods of intravenous administration

Intermittent intravenous infusion (administer using an electronically controlled infusion device)

- Add the required dose to 100mL of infusion fluid
- Administer over 30 minutes
- A 50mL infusion may be used if required (eg fluid restriction) but the residual volume in the infusion line must be flushed through at the same rate to avoid significant underdosing

Â

Dose in adults

Prophylaxis of Wernicke's Encephalopathy associated with alcohol-use disordersÂ (ref 2)

- Give 200 to 300mg once a day for 3 days
- Then switch to oral thiamine 100 to 300mg daily, continued until patient is no longer at risk

Treatment of Suspected or Established Wernicke's Encephalopathy Â (ref 2)

- Give 300 to 500mg* three times a day for at least 5 days (*Higher dose recommended in patients with alcohol dependence.Â Lower treatment doses eg 200mg three times a day recommended in patients without alcohol dependence.)
- Continue until no further improvement in signs and symptoms, or Wernicke's encephalopathy has been excluded
- Then switch to oral thiamine 100mg tds, continued until patient is no longer at risk

Refeeding syndrome (ref 2)

- Thiamine should only be used for patients with intestinal failure at high risk or extremely high risk of refeeding syndrome where the oral or enteral route is unavailable
- Give 200mg once daily for 3 days (5 days for higher-risk patients)

Storage

Store below 25^{0}C

References

No SPC
1. Injectable medicines guide- Medusa, downloaded 26/09/2024
2. HSE guidelines July 2024

Therapeutic classification

Vitamins