Tigecycline Intravenous for Adults

Who can administer

May be administered by registered competent doctor or nurse/midwife

Important information

- **Red light antimicrobial:** Restricted for indications in the antimicrobial prescribing guidelines, or following approval by microbiology/infectious diseases

Available preparations

Tigecycline Accord 50mg vial

Tygacil 50mg vial

Reconstitution

Sodium Chloride 0.9% or Glucose 5%

- Add **5.3ml** to each 50mg vial
- Swirl gently to dissolve.
- This produces a **10mg per ml** solution (overage in vial)
- **Dilute further prior to administration.**

- Reconstituted solutions are yellow to orange in colour - if not the solution should be discarded
- Also discard if any particulate matter or discoloration (e.g. green or black) noted

Infusion fluids

Sodium chloride 0.9% or Glucose 5%

Methods of intravenous administration

Intermittent intravenous infusion

- Add required dose to 100ml infusion fluid and administer over 30 to 60 minutes

Dose in adults

Loading (initial) dose

- Give **100mg as a stat** dose followed by maintenance dose below

Maintenance dose

- Give **50mg every twelve hours**
- Treatment is normally continued for 5 to 14 days
- Higher loading and maintenance doses may be recommended by microbiology or ID

Hepatic impairment

- In patients with severe hepatic impairment (Child Pugh C) the dose should be reduced to 25mg every twelve hours following the initial 100mg loading dose. **Child-Pugh classification applies to patients with cirrhosis**. If the patient has hepatic impairment but does not have cirrhosis, dosage adjustment should be discussed with Micro/ID
- Patients should be treated with caution and monitored for treatment response

Renal impairment

- No dosage adjustment is necessary in patients with renal impairment.

Monitoring

- Monitoring of coagulation tests such as PT, aPTT and fibribogen advised when using tigecycline
- Special care is recommended in seriously ill patients and in patients also using anticoagulants

Further information

- Patients hypersensitive to tetracycline class antibiotics may be hypersensitive to tigecycline

Storage

Store below 25^{0}C

References

Tygacil SPC September 2022

Tigecycline Accord SPC July 2023

Therapeutic classification

Glycylcycline antibiotic