# CefUROXime intravenous for adults



#### Who can administer

May be administered by registered competent doctor or nurse/midwife

## Important information

- If documented immediate, or severe delayed hypersensitivity reaction to penicillin DO NOT GIVE THIS
   DRUG
- See under 'Dose' for adjustments required in renal impairment

# Available preparations

Cefuroxime 750mg vial (FlynnPharma)

Cefuroxime 1.5g vial (FlynnPharma)

Cefuroxime 1.5g vial (Fresenius Kabi)

### Reconstitution

#### **Water for Injections**

At least 6mL to 750mg vial

At least 15mL to 1.5g vial

### Infusion fluids

Sodium chloride 0.9% or Glucose 5%

### Methods of intravenous administration

# Slow intravenous injection (for all doses, but preferable to use infusion if dose greater than 750mg)

Administer over 3 to 5 minutes

#### Intermittent intravenous infusion (all doses)

- Add required dose to 100mL and administer over 30 to 60 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

### Dose in adults

#### **Usual dose**

Give 750mg every eight hours.

#### **Dose range**

• Give 750mg every six to eight hours, up to 1.5g every eight hours

#### Surgical prophylaxis

- Dose: Cefuroxime 1.5g stat, or for three doses- depending on type on indication see GUH antimicrobial guidelines
- If the procedure lasts for longer than 4 hours, or if major blood loss (>1.5L), administer a repeat dose intraoperatively see GUH antimicrobial guidelines
- Commence prophylaxis within 60 minutes before incision

#### **Renal impairment** (ref 1)

eGFR (ml/minute/1.73m <sup>2</sup> )	Dose	Frequency
20 to 50	Usual dose	
10 to 20	750mg to 1.5g	every 12 hours
less than 10	750mg to 1.5g	every 24 hours
Renal replacement therapy	Consult pharmacy/specialist literature	

#### **Hepatic impairment**

• Not expected to have an effect on the pharmacokinetics of cefuroxime

### Further information

• Cefuroxime may be added to a metronidazole 500mg bag

# Storage

• Store below 25°C

### References

Cefuroxime (Mayne/Flynn pharma) SPC August 2024

1:GUH antimicrobial guidelines

# Therapeutic classification

Cephalosporin antibiotic