

## 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)

Zinacef 1.5g vial (if above brand in short supply)

## 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

- For gastrointestinal surgery, gynaecological, orthopaedic surgery, cardiothoracic surgery: - see [GUH antimicrobial guidelines](#)
- Dose: Cefuroxime 1.5g stat
- If the procedure lasts for longer than 4 hours, or if major blood loss (>1.5L), administer a repeat dose intraoperatively
- Commence prophylaxis within 60 minutes before incision

### Renal impairment (ref 1)

eGFR (ml/minute/1.73m <sup>2</sup> )	Dose	Frequency
<b>20 to 50</b>	Usual dose	
<b>10 to 20</b>	750mg to 1.5g	every 12 hours
<b>less than 10</b>	750mg to 1.5g	every 24 hours
<b>Renal replacement therapy</b>	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<sup>0</sup>C

## References

Cefuroxime (Mayne/Flynn pharma) SPC Feb 2019

Zinacef 4th November 2019

1:[GUH antimicrobial guidelines](#)

## Therapeutic classification

Cephalosporin antibiotic