Co-amoxiclav Intravenous for Adults

Who can administer

May be administered by registered competent doctor or nurse/midwife

Important information

- **Penicillin antibiotic**
- See under 'Dose' for adjustments required in **renal** impairment
- Hepatic events (most frequently **cholestatic hepatitis**[ref 2]) have been reported, predominantly in **males** and **elderly patients** and may be associated with prolonged treatment. Signs and symptoms usually occur during or shortly after treatment but in some cases may not become apparent until **several weeks** after treatment has ceased.
- Search synonym: Coamoxiclav, Augmentin

Available preparations

Co-amoxiclav 1.2g vial

Co-amoxiclav 600mg vial

Reconstitution

Water for injection

20mL per 1.2g vial

10mL per 600mg vial

See under storage below regarding maximum storage time after reconstitution

Infusion fluids

Sodium chloride 0.9%

Methods of intravenous administration

Can use either method of administration- choice depends on practicalities such as time available, fluid status of patient, etc.

Slow intravenous injection (all doses)

- Administer over 3 to 4 minutes

Intermittent intravenous infusion (all doses)

- Add 1.2g to 100mL of infusion fluid
- Add 600mg to 50mL of infusion fluid
- Administer over 30 to 40 minutes

Dose in adults

Usual dose

- Give 1.2g every eight hours

Renal impairment [ref 1]

eGFR (ml per minute/1.73m^2)	Dose	Frequency
less than 30	1.2g	every 12 hours
Renal replacement therapy	Consult pharmacy/specialist literature	

Hepatic impairment: Use with caution in hepatic impairment, monitor hepatic function

Further information

- The dose is expressed in terms of the sum of amoxycillin and clavulanic acid content e.g. 1.2g co-amoxiclav = 1g amoxicillin and 200mg clavulanic acid.

Storage

- Store below 25^{0}C
- Reconstituted solutions for injection should be administered within 15 minutes after reconstitution
- The time interval between the beginning of reconstitution and the end of intravenous infusion should not exceed one hour

References

SPC Fresenium Kabi September 2023

1:GUH Antimicrobial Guidelines Checked Oct 2024

2: Uptodate, checked online Oct 2024

Augmentin, Coamoxiclav (Search term)

Search term: Augmentin

Therapeutic classification

Antibiotic