Amoxicillin 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

Available preparations

Amoxicillin 500mg (Delbert)

Amoxicillin 1g vial (Centraform) (unlicensed)

Reconstitution

Water for injection

10ml per 500mg vial

20ml per 1g vial

The dilution may be carried out in a syringe as the full 10ml will not fit into the vial

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 (doses up to 1g) (ref 1)

- Administer over 3 to 4 minutes

Intermittent intravenous infusion: (all doses)

- Add the dose to 100mL and administer over 20 to 30 minutes

Dose in adults

Mild or moderate infections (BNF)

- Give 500mg every eight hours

Community acquired pneumonia (ref 2)

- Give 1g every eight hours
- Given in combination with other drugs

Severe infections (BNF)

- Give 1g every six hours

Listerial meningitis (BNF)

- Give 2g every four hours
- Given in combination with other drugs

Endocarditis (BNF)

- Give 2g every four hours
- Given in combination with other drugs

Renal impairment (ref 2)

eGFR; (ml per minute/1.73m^2)	Dose
Greater than 10	No adjustment necessary
less than 10	250mg to 1g every eight hours. High dose regimens eg **endocarditis and listeria meningitis:** maximum 2g every eight hours
Renal replacement therapy	Consult pharmacy or specialist information sources

Storage

Store below 25^{0}C

References

SPC January 2023
1. Injectable Medicines Guide - Medusa. Accessed online 21/01/2025
2.Â GUH antimicrobial guidelinesÂ

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Therapeutic classification

Broad-spectrum penicillin

BNF
Bacterial infection