

Louth: Antimicrobial Guidelines - Louth Hospitals: Antimicrobial Guidelines: Cardiovascular Infections

Indication
Infective Endocarditis - Community-Acquired Native Valve or Late Prosthetic Valve (> 12 months post-surgery) Endocarditis
First Line Antimicrobials
Vancomycin 25mg/kg loading dose (max 3g), followed by 15mg/kg BD IV
N.B. Adjust dose if renal impairment, trough level monitoring required, click on link above for calculator and guideline.
AND
Gentamicin 3mg/kg once daily IV (note lower than usual dose)
N.B. Adjust dose if renal impairment, trough level monitoring required, click on link above for calculator and guideline.
Comments
ALWAYS: <ul style="list-style-type: none"> CONTACT Clinical Microbiologist or ID Consultant for advice CHECK if prosthetic cardiac valve or cardiac implantable electronic device (e.g. pacemaker, defibrillator) in situ. REVIEW empiric therapy in conjunction with blood culture results after 48 hours. Echocardiography required (TTE +/- TOE) – discuss with Cardiology. Consider early review by cardiothoracic surgery - discuss with Cardiology. Microbiological Investigations: <ul style="list-style-type: none"> Take 3 sets of blood cultures at 30 minute intervals before antibiotics started. If patient has clinical sepsis, follow “Sepsis 6” care bundle – do not delay antimicrobial administration for longer than 1 hour after recognition of sepsis. Additional serological testing may be indicated in certain cases – discuss with Clinical Microbiologist. If history of open heart surgery or ECMO in the last 5 years, test for atypical mycobacteria.
Duration of Treatment
Ultimate duration depends on causative pathogen, clinical response, blood culture results and type of infected valve.
Indication
Infective Endocarditis - Early Prosthetic Valve Endocarditis (< 12 months post-surgery) or Healthcare-Associated Endocarditis
First Line Antimicrobials
Vancomycin 25mg/kg loading dose (max 3g), followed by 15mg/kg BD IV
N.B. Adjust dose if renal impairment, trough level monitoring required, click on link above for calculator and guideline.
AND
Gentamicin 3mg/kg once daily IV (note lower than usual dose)
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Duration of Treatment
Ultimate duration depends on causative pathogen, clinical response, blood culture results and type of infected valve.