

ENDOCARDITIS PROPHYLAXIS FOR DENTAL WORK AND RESPIRATORY TRACT PROCEDURES

Patients at highest risk:

- Prosthetic heart valves, including bioprosthetic and homograft valves
- Prior history of infective endocarditis
- Unrepaired cyanotic congenital heart disease, including palliative shunts and conduits
- Completely repaired congenital heart defects with prosthetic material or device during the first 6 months after the procedure (whether placed by surgery or by catheter intervention)
- Repaired congenital heart disease with residual defects at the site or adjacent to the site of the prosthetic patch or prosthetic device
- Valve regurgitation due to structurally abnormal valve in a transplanted heart

Common valvular lesions for which antimicrobial prophylaxis is NOT recommended include bicuspid aortic valve, acquired aortic or mitral valve disease (including mitral valve prolapse with regurgitation), and hypertrophic cardiomyopathy with latent or resting obstruction.

See next page for antibiotic prophylaxis

NOTE: ENDOCARDITIS PROPHYLAXIS FOR GASTROINTESTINAL AND GENITOURINARY PROCEDURES is no longer recommended

(Circulation 2007;116:1736-1754).

ENDOCARDITIS PROPHYLAXIS FOR DENTAL WORK AND RESPIRATORY TRACT PROCEDURES ...cont'd

Situation	Agent	Regimen ¹
Standard general prophylaxis	Amoxicillin	Adults – 2g po Children – 50mg/kg po 1 hour before procedure
Unable to take oral medications	Ampicillin	Adults – 2g IM/IV Children – 50mg/kg IM/IV 30 minutes before procedure
Allergic to penicillin (oral route)	Clindamycin	Adults – 600mg po Children – 20mg/kg po 1 hour before procedure
	<u>OR</u> Cephalexin ²	Adults – 2g po Children – 50mg/kg 1 hour before procedure
	<u>OR</u> Azithromycin or Clarithromycin	Adults – 500mg po Children – 15mg/kg po 1 hour before procedure
Allergic to penicillin and unable to take oral medications	Clindamycin	Adults – 600mg IV Children – 20mg/kg IV 30 minutes before procedure
	<u>OR</u> Cefazolin ²	Adults – 1g IM/IV Children – 25mg/kg IM/IV 30 minutes before procedure

¹ Total children's dose should not exceed adult dose

² Cephalosporins should not be used in individuals with immediate-type hypersensitivity reaction (angioedema or anaphylaxis) to penicillins