

Endocarditis Prophylaxis Recommendations

Antibiotic prophylaxis with dental procedures is recommended only for patients with cardiac conditions associated with the highest risk of adverse outcomes from endocarditis, including:

- Prosthetic cardiac valve
- Previous endocarditis
- Cardiac transplantation recipients with cardiac valvular disease
- Congenital heart disease only in the following categories:
 - Unrepaired cyanotic congenital heart disease, including those with palliative shunts and conduits
 - Completely repaired congenital heart defect with prosthetic material or device, whether placed by surgery or catheter intervention, during the first six months after the procedure*
 - Repaired congenital heart disease with residual defects at the site or adjacent to the site of a prosthetic patch or prosthetic device (which inhibit endothelialization)

Dental procedures for which prophylaxis is recommended in patients with cardiac conditions listed above:

All dental procedures that involve manipulation of gingival tissue or the periapical region of teeth, or perforation of the oral mucosa

If the antibiotic is inadvertently not administered before the procedure, the dosage may be given up to two hours after the procedure.

*Prophylaxis is recommended because endothelialization of prosthetic material occurs within six months after the procedure.

Antibiotic Prophylaxis is NOT recommended for the following dental procedures or events:

- Routine anesthetic injections through noninfected tissue
- Placement of removable prosthodontic or orthodontic appliances
- Placement of orthodontic brackets
- Taking dental radiograph
- Adjustment of orthodontic appliances
- Shedding of deciduous teeth and bleeding from trauma to the lips or oral mucosa

Antibiotic Prophylactic Regimens Recommended for Dental Procedure

Regimen - Single dose 30 - 60 minutes before procedure

Situation	Agent	Adult	Children
Oral	Amoxicillin	2 gm	50 mg/kg
	Ampicillin	2 g IM or IV*	50 mg/kg IM or IV
Unable to take oral medication	Cefazolin or Ceftriaxone †	1 g IM or IV*	50 mg/kg IM or IV
Allergic to Penicillins or Ampicillin - oral	Cephalexin**† or	2 g	50 mg/kg
	Clindamycin	600 mg	20 mg/kg
	Azithromycin or Ceftriaxone†	500 mg	15 mg/kg
Allergic to Penicillins or Ampicillin and unable to take oral medication	Cefazolin or Ceftriaxone†	1 g IM or IV	50 mg/kg IM or IV
	Clindamycin	600 mg IM or IV	20 mg/kg IM or IV