

# 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