

## **Pre Medication Guidelines for Dental Treatment**

With input from the ADA, the American Heart Association released the current recommendations for the prevention of infective endocarditis in 2008. The complete recommendations, including the recommended regimen, can be found in "The Journal of the American Dental Association (JADA): Prevention of Infective Endocarditis: Guidelines from the American Heart Association." Prophylactic antibiotic therapy is recommended for all dental procedures that involve manipulation of the gingival tissue of the periapical region of the teeth, or perforation of the oral mucosa.

Antibiotic prophylaxis recommendations for patients who have a total joint replacement were updated by the American Academy of Orthopedic Surgeons (AAOS) in 2009.

It is the policy of **CLINIC NAME**, in accordance with these guidelines for patients with the following will be pre-medicated with antibiotic therapy:

- Artificial heart valves
- A history of infective endocarditis
- A cardiac transplant patient that develops a heart valve problem
- Congenital (present at birth) heart condition
- Total joint replacements

Patients who previously took prophylactic antibiotics in the past, but no longer need them include those with:

- Mitral valve prolapse
- Rheumatic heart disease
- Bicuspid valve disease
- Calcified aortic stenosis
- Congenital birth defects such as ventricular septal defect, atrial septal defect and hypertrophic cardiomyopathy
- Patients with pins, plates and screws, or other (orthopedic) hardware that is not within a synovial joint

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

Approved February 16, 2011

Recommended dosing regime is as follows:

<b>Situation</b>	<b>Agent</b>	<b>Adults</b>	<b>Children</b>
<b>Oral</b>	Amoxicillin <u>or</u>	2 grams	50 mg/kg
	Ampicillin	2 grams IM or IV	50 mg/kg IM or IV
<b>Unable to take oral medication</b>	Cefazolin <u>or</u> Ceftriaxone	1 gram IM or IV	50 mg/kg IM or IV
<b>Allergy to PCN or Ampicillins</b>	Cephalexin <u>or</u>	2 grams	50 mg/kg
	Clindamycin <u>or</u>	500 mg	20 mg/kg
	Azithromycin <u>or</u> Clarithromycin	500 mg	15mg/kg
<b>Allergic to PCN, Ampicillins or unable to take oral medications</b>	Cefazolin <u>or</u> Ceftriaxone <u>or</u>	1 gram IM or IV	50 mg/kg IM or IV
	Clindamycin	600 mg IM or IV	20 mg/kg IM or IV

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