

DOSES OF COMMONLY USED ANTIBIOTICS IN ENDODONTICS

Penicillins

Penicillin V 500 mg qid
Ampicillin 500 mg qid
Amoxicillin 500 mg tid/qid
Augmentin 500 mg tid/qid

Cephalosporins

First generation

Cephalexin (Keflex®) 500 mg qid
Cefadroxil (Duricef®) 500 mg qid

Second generation

Cefuroxime (Ceftin®) 250 or 500 mg bid
Cefaclor (Ceclor®) 500 mg tid

Third generation

Cefixime (Suprax®) 400 mg daily

Macrolides (Erythromycin)

Erythromycin base 250–500 mg qid
Erythromycin stearate 250–500 mg qid
Erythromycin estolate (Ilosone®) 250–500 mg qid
Clarithromycin (Biaxin®) 250–500 mg bid
Azithromycin (Zithromax®) 500 mg bid · 1 d, then one daily

Metronidazole

Metronidazole (Flagyl®) 250–500 mg qid

Clindamycin

Clindamycin (Cleocin®) 150–300 mg qid

Tetracycline

Doxycycline (Vibramycin®) 100 mg bid

WHEN IS ANTIBIOTIC PROPHYLAXIS REQUIRED??

According to Medical History

Heart patients

Any artificial valve
Previous endocarditis
Pulmonary shunt
Most congenital defects
Rheumatic heart disease
Hypertrophic cardiomegaly
MVP with regurgitation
“Fen-phen” diet pill history

Artificial joint patients

Immunocompromised/immunosuppressed
Inflammatory arthropathies
Rheumatoid arthritis
Systemic lupus erythematosus
Disease, drug, or radiation immunosuppression

Other patients

Insulin-dependent diabetes mellitus
Artificial joint within past 2 years
History of failed artificial joint

Malnutrition
Hemophilia

These Medical Situations DO NOT Require Antibiotic Prophylaxis

Isolated atrial-septal defect
Coronary artery bypass graft
Surgical repair of septal defect
Functional murmur
Rheumatic fever without valve damage
Pacemaker
MVP without regurgitation
Fen-phen” with a normal echocardiogram

According to Dental Treatment

Extraction
Periodontal procedures, even probing
Prophylaxis
Implants
Instrumentation beyond apex
Intraligamentary (PDL) injection
Ortho band placement

These Dental Situations DO NOT Require Antibiotic Prophylaxis

Restorative treatment even with retraction cord
Radiographs
Local anesthesia, except PDL
Impressions and partial dentures
Fluoride treatments
Endoscope within canal
Rubber dam
Suture removal
Shedding of primary teeth

THE DOSAGES OF ANTIBIOTICS

Dose is Given One Hour Pre-Operatively

Amoxicillin 2000 mg

Cephalexin (Keflex®) 2000 mg

Clindamycin (Cleocin®) 600 mg

Azithromycin (Zithromax®)

Always Check Online for the Most Recent Regimens