

## **Dental Prophylaxis and other surgical procedures**

This is a controversial topic and your dentist will have their own ideas on the subject of prophylactic antibiotics prior to dental work.

The risk is organisms from your mouth or other areas of your body during surgical procedures can cause a bacteraemia where the organism enters your blood stream and travels to your hip or knee prosthesis and causes a deep infection. It is uncommon but I and many arthroplasty surgeons do see this occur and the implications are considerable.

I feel that any patient with a joint replacement of any description requires antibiotics before undertaking a surgical procedure to be safe than sorry.

Below is a table of such procedures and the recommended antibiotic.

Please note that for dental check ups or cleanings antibiotics are not required..

Procedure	Antibiotic	Dose	Timing	Duration
Dental	Cephalexin Cephadrine Amoxicillin	2mg PO	1 hr before procedure	Single pre-procedure dose is sufficient
Ophthalmic	Gentamicin Tobramycin Ciprofloxacin Levofloxacin	Multiple drops 2-24hrs subconjunctivally	Consult pharmacist for dosing	
Orthopaedic	Cefazolin Cefuroxime	1g iv	20 mins before procedure	
Vascular	Cefazolin Vancomycin	1g iv	20 mins cef 60 mins Vanco	
GastroIntestinal	Cefazolin	1-2g iv	60 mins	
Esophageal	Cefazolin	1-2g iv	60	
Biliary	Cefazolin	1-2g iv	60 mins	
Colorectal	Neomycin Metronidazole	1g PO 1g Po	60 mins	
Head Neck	Clindamycin Gentamicin Cefazolin	600-900mg iv 1.5mg/Kg iv 1-2g iv	60 mins	
Obs Gynae	Cefoxitin Cefazolin	1-2g iv	60 mins	
Genitourinary	Ciprofloxacin	500mg Po 400mg iv	60 mins before procedure	