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Official 2009 American Academy of Orthopaedic Surgery Guidelines:  
 Antibiotic Prophylaxis for Bacteremia in Patients with Joint Replacements

Procedure	Antibiotic	Dose	Timing
<b>Dental</b>	cephalexin	2 grams PO	1 hour before procedure
	cephradine		
	amoxicillin		
<b>Eye (Ophthalmic)</b>	gentamicin	Multiple drops topically over 2-24 hrs or 100mg subconjunctivally	Consult ophthalmologist or pharmacist for dosing regimen
	tobramycin		
	ciprofloxacin		
	gatifloxacin		
	levofloxacin		
	moxifloxacin		
	ofloxacin		
	neomycin/gramicidin/ polymyxin B		
cefazolin			
<b>Orthopaedic</b>	cefazolin	1-2g IV	Begin dose 60 minutes prior to procedure
	cefuroxime	1.5g IV	
	vancomycin	1g IV	
<b>Vascular</b>	cefazolin	1-2g IV	Begin dose 60 minutes prior to procedure
	vancomycin	1g IV	
<b>Gastrointestinal</b>			
Esophageal Gastroduodenal Biliary tract	cefazolin	1-2g IV	Begin dose 60 minutes prior to procedure
Colorectal	neomycin + erythromycin base (oral)	1g	Dependent on time of procedure, consult with doctor
	<b>OR</b> metronidazole (oral)	1g	
<b>Head and Neck</b>	cefazolin + clindamycin ( <b>OR</b> + gentamicin)	1-2g IV + 600-900mg IV ( <b>OR</b> + 1.5mg/kg IV)	Begin dose 60 minutes prior to procedure
<b>Obstetric and Gynecological</b>	cefoxitin, cefazolin	1-2g IV	Begin dose 60 minutes prior to procedure
	ampicillin/sulbactam	3g IV	
<b>Urological</b>	ciprofloxacin	500mg PO or 400mg IV	Begin dose 60 minutes prior to procedure
<b>Penicillin-allergic</b>	Clindamycin	600 mg orally	30 – 60 minutes before procedure
		600 mg IV	