

ROUTINE ANTIBIOTIC PROPHYLAXIS RECOMMENDATIONS – SUMMARY*

SURGERY TYPE	Recommendation	Comments
CARDIAC SURGERY Valve replacement; coronary artery bypass surgery, cardiac transplantation, pacemaker insertion	Cephalothin 2g (<i>child: 50 mg/kg up to 2g</i>), IV, at time of induction OR Cephazolin 1g (<i>adult >=80kg: 2g</i>)(<i>child: 25 mg/kg up to 1g</i>), IV, at time of induction	
ORTHOPAEDIC SURGERY Prosthetic large joint replacement etc	Cephazolin 1g (<i>adult >=80kg: 2g</i>)(<i>child: 25 mg/kg up to 1g</i>), IV, at time of induction OR Cephalothin 2g (<i>child: 50 mg/kg up to 2g</i>), IV, at time of induction OR Di/flucloxacillin 2g (<i>child: 50 mg/kg up to 2g</i>), IV, at time of induction	
ABDOMINAL SURGERY Colorectal, appendectomy, upper GI tract or biliary surgery including laparoscopic surgery	Metronidazole 500mg (<i>child 12.5 mg/kg up to 500mg</i>), IV, ending infusion at the time of induction PLUS EITHER Cephalothin 2g (<i>child: 50 mg/kg up to 2g</i>), IV, at time of induction OR Cephazolin 1g (<i>adult >=80kg: 2g</i>)(<i>child: 25 mg/kg up to 1g</i>), IV, at time of induction OR Gentamicin 2mg/kg, IV, at time of induction	For low risk patients* metronidazole may be omitted * see guidelines for definition of low risk
HERNIA REPAIR Without prosthetic material With prosthetic material	No prophylaxis recommended Cephalothin 2g (<i>child: 50 mg/kg up to 2g</i>), IV, at time of induction OR Cephazolin 1g (<i>adult >=80kg: 2g</i>)(<i>child: 25 mg/kg up to 1g</i>), IV, at time of induction	
HYSTERECTOMY & TERMINATION OF PREGNANCY	Cephalothin 2g, IV, at time of induction OR Cephazolin 1g (<i>adult >=80kg: 2g</i>), IV, at time of induction PLUS EITHER Tinidazole 2g orally, 6 to 12 hours prior to induction OR Metronidazole 500mg, IV, ending infusion at time of induction	

SURGERY TYPE	Recommendation	Comments
CAESAREAN SECTION	Cephalothin 2g, IV, immediately after clamping of the cord OR Cephazolin 1g (adult >=80kg: 2g), IV, immediately after clamping of the cord	
UROLOGICAL SURGERY	Gentamicin 2mg/kg, IV, at the time of induction	
PROSTATECTOMY	Gentamicin 2mg/kg, IV, at the time of induction	
TRANSRECTAL PROSTATIC BIOPSY	Trimethoprim 300mg, orally, as a single dose, 1 hour prior to procedure	
LOWER LIMB AMPUTATION	Benzylpenicillin 1.2g(child: 30mg/kg up to 1.2g), IV, at time of induction, then 6 hourly for 24 hours OR Metronidazole 500mg (child: 12.5mg/kg up to 500mg), IV, ending infusion at time of induction, then 12 hourly for 24 hours	
NEUROSURGERY Prolonged craniotomy procedures, re-explorations and microsurgery or insertion of prosthetic materials	Cephazolin 1g (adult >=80kg: 2g)(child 25 mg/kg up to 1g), IV, at time of induction OR Cephalothin 2g (child: 50 mg/kg up to 2g), IV, at time of induction OR Di/flucloxacillin 2g (child: 50 mg/kg up to 2g), IV, at time of induction	
VASCULAR SURGERY Arterial reconstructive surgery involving abdominal aorta and/or lower limb, implantation of foreign material	Cephazolin 1g (adult >=80kg: 2g)(child: 25 mg/kg up to 1g), IV, at time of induction, then 8 hourly for up to 48 hours OR Cephalothin 2g (child: 50 mg/kg up to 2g), IV, at time of induction, then 6 hourly for up to 48 hours OR THE COMBINATION OF Di/flucloxacillin 2g (child: 50mg/kg up to 2g), IV, at time of induction, then 6 hourly for up to 48 hours AND Gentamicin 4 to 6mg/kg (child < 10 yrs: 7.5mg/kg; >= 10 yrs: 6mg/kg), IV, at time of induction, then 24 hours later(adjust dose for renal function)	

*** PLEASE NOTE THIS TABLE IS A SUMMARY FROM THE “THERAPEUTIC GUIDELINES ANTIBIOTIC VERSION 13 2006” AND COVERS GENERAL PRINCIPLES ONLY**