

**ENDOCARDITIS - PROPHYLAXIS****DENTAL PROCEDURES****(All dental procedures including dento-gingival manipulation)**

There is no evidence to suggest that dental treatment increases the risk of endocarditis. Antibiotic prophylaxis, for dental procedures under local or general anaesthesia, is only required in the following groups of patients:

- Previous infective endocarditis
- Cardiac valve replacement surgery i.e. mechanical or biological prosthetic valves
- Surgically constructed systemic or pulmonary shunt or conduit

<b>1<sup>st</sup> choice</b>	<b>Amoxicillin</b> PO single dose 1 hour before procedure	<b>OR</b>	<b>Amoxicillin</b> IV single dose at induction
Adult and child > 10 years	3 g		1 g
Child ≥ 5 to < 10 years	1.5 g		500 mg
Child < 5 years	750 mg		250 mg
<b>Penicillin allergy</b>	<b>Clindamycin</b> PO single dose 1 hour before procedure		<b>Clindamycin</b> IV single dose at induction (over 10 minutes)
Adult and child > 10 years	600 mg		300 mg
Child ≥ 5 to < 10 years	300 mg		150 mg
Child < 5 years	150 mg		75 mg

**GENITO-URINARY, OBSTETRIC/GYNAECOLOGICAL, GASTRO-INTESTINAL AND RESPIRATORY PROCEDURES**

Cardiac conditions for which antibiotic prophylaxis is indicated for non-dental procedures include:

- History of previous endocarditis
- Prosthetic heart valve
- Surgically constructed shunt / conduit
- Complex congenital heart disease (except secundum atrial septal defects)
- Complex LV outflow abnormalities, including aortic stenosis and bicuspid aortic valves
- Acquired valvulopathy\*
- Mitral valve prolapse\*

(\* with echocardiographic documentation of substantial leaflet pathology and regurgitation)

<b>1<sup>st</sup> choice</b>	<b>Amoxicillin IV single dose at induction</b>	<b>PLUS</b>  <b>Gentamicin 1.5 mg/kg IV single dose at induction</b>
Adult and child > 10 years	1 g	
Child ≥ 5 to < 10 years	500 mg	
Child < 5 years	250 mg	
<b>Penicillin allergy</b>	<b>Teicoplanin IV single dose at induction</b>	
Adult and child > 14 years	400 mg	
Child < 14 years	6 mg/kg	

**RESPIRATORY PROCEDURES – NASAL PACKING AND NASAL INTUBATION**

<b>1<sup>st</sup> choice</b>	<b>Flucloxacillin IV single dose at induction</b>
Adult	1 g
Child < 4 years	50 mg/kg
<b>Penicillin allergy</b>	<b>Clindamycin IV single dose at induction (over 10 minutes)</b>
Adult	600 mg
Child ≥ 10 to < 16 years	300 mg
Child ≥ 5 to < 10 years	150 mg
Child < 5 years	75 mg

**PROCEDURES REQUIRING PROPHYLAXIS**

<b>Gastro-intestinal procedures</b>	<b>Infective Endocarditis prophylaxis required?</b>
Barium enema	No*
Echocardiography - TOE	No*
Endoscopy – upper	No*
ERCP	Yes
Gall stones – lithotripsy	Yes
Hepatic / biliary operation	Yes
Liver biopsy – percutaneous	No*
Oesophageal varices – banding	No*
Oesophageal varices – sclerotherapy	Yes
Oesophageal laser therapy	Yes
Oesophageal stricture – dilatation	Yes
Percutaneous endoscopic gastrostomy	No*
Proctoscopy	No
Sigmoidoscopy / Colonoscopy	No*
Surgical operation involving intestinal mucosa	Yes

\*Prophylaxis recommended only for high-risk patients as in dental recommendations.

<b>Genito-urinary procedures</b>	<b>Infective Endocarditis prophylaxis required?</b>
Cystoscopy	Yes
Circumcision	No
Cosmetic piercing involving urethral mucosa	No
Lithotripsy renal stones	No <sup>a</sup>
Transrectal prostatic biopsy	Yes
Transurethral prostatic resection (TURP)	Yes
Urethral catheterisation	No <sup>a</sup>
Urethral dilatation	Yes
Vasectomy	No

<sup>a</sup>Risk of bacteraemia increases with presence of bacteriuria. Treatment is recommended pre-procedure.

<b>Obstetric and gynaecological procedures</b>	<b>Infective Endocarditis prophylaxis required?</b>
Caesarian section	Yes
Insertion / removal intra-uterine device	No <sup>a</sup>
Smears	No
Sterilisation procedure	No
Therapeutic abortion	No <sup>a</sup>
Uterine dilatation and curettage	No
Vaginal delivery	No <sup>a</sup>
Vaginal hysterectomy	Yes
Caesarian section	Yes
Insertion / removal intra-uterine device	No <sup>a</sup>

<sup>a</sup>Prophylaxis required if infection suspected or in prolonged rupture of membranes

<b>Respiratory tract procedure</b>	<b>Infective Endocarditis prophylaxis required?</b>
Cosmetic piercing of tongue or involving oral mucosa	Yes
Endotracheal intubation	No
Flexible bronchoscopy ± biopsy	No
Nasal packing and nasal intubation	Yes
Rigid bronchoscopy	No
Surgical procedure on upper respiratory tract	Yes
Tonsillectomy / adenoidectomy	Yes

