

**GASTROINTESTINAL PROCEDURES - PROPHYLAXIS**

<b>APPENDICECTOMY</b>	
<b>1<sup>st</sup> choice</b>	Cefuroxime 1.5 g IV single dose at induction <b>plus</b> Metronidazole 500mg IV single dose at induction (Infuse Metronidazole over 20 minutes. Try to complete infusion before starting procedure).
<b>Penicillin allergy</b>	Ciprofloxacin 200mg IV single dose at induction <b>plus</b> Metronidazole 500mg IV single dose at induction <b>OR</b> Clindamycin* 300 mg IV single dose at induction (*Maximum infusion rate 30mg/minute. Try to complete infusion before starting procedure).
If appendix acutely inflamed or pus found, continue with Cefuroxime 750 mg IV 8 hourly <b>plus</b> Metronidazole 500 mg IV 8 hourly for <b>5 days</b> .	

<b>BILIARY TRACT SURGERY</b>	
Cholecystectomy or if biliary tree surgery involved or common duct stones present:-	
<b>1<sup>st</sup> choice</b>	Cefuroxime 750 mg IV single dose at induction
<b>Penicillin allergy</b>	Ciprofloxacin 200mg IV single dose at induction (Infuse ciprofloxacin over 30-60 minutes. Try to complete infusion before starting procedure).
<b>If previous biliary surgery/stents</b>	Add Gentamicin 80mg IV single dose at induction
<b>If anaerobes suspected</b> (e.g. achlorhydric or carcinoma patients)	Add Metronidazole 500mg IV single dose at induction (Infuse Metronidazole over 20 minutes. Try to complete infusion before starting procedure).
Courses may be extended by 24 hours in cases of heavy contamination.	

<b>COLORECTAL SURGERY</b>	
<b>1<sup>st</sup> choice</b>	Cefuroxime 1.5 g IV single dose at induction <b>plus</b> Metronidazole 500 mg IV single dose at induction (Infuse Metronidazole over 20 minutes. Try to complete infusion before starting procedure).
For heavy contamination the surgeon may specify a longer course. If further doses are required, the oral or rectal route should be used for metronidazole where possible. Peritonitis should be treated with a longer therapeutic course.	

<b>UPPER GASTROINTESTINAL SURGERY</b>	
<b>1<sup>st</sup> choice</b>	Cefuroxime 1.5 g IV single dose at induction
<b>For achlorhydric patients or those with gastro-oesophageal cancer</b>	Add Metronidazole 500 mg IV single dose at induction (Infuse Metronidazole over 20 minutes. Try to complete infusion before starting procedure).

  

<b>PEG INSERTION</b>	
<b>1<sup>st</sup> choice</b>	Cefuroxime 750 mg IV single dose before the procedure

