

GASTROINTESTINAL PROCEDURES - PROPHYLAXIS

APPENDICECTOMY	
1st choice	Cefuroxime 1.5 g IV single dose at induction plus Metronidazole 500mg IV single dose at induction (Infuse Metronidazole over 20 minutes. Try to complete infusion before starting procedure).
Penicillin allergy	Ciprofloxacin 200mg IV single dose at induction plus Metronidazole 500mg IV single dose at induction OR 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 plus Metronidazole 500 mg IV 8 hourly for 5 days .	

BILIARY TRACT SURGERY	
Cholecystectomy or if biliary tree surgery involved or common duct stones present:-	
1st choice	Cefuroxime 750 mg IV single dose at induction
Penicillin allergy	Ciprofloxacin 200mg IV single dose at induction (Infuse ciprofloxacin over 30-60 minutes. Try to complete infusion before starting procedure).
If previous biliary surgery/stents	Add Gentamicin 80mg IV single dose at induction
If anaerobes suspected (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.	

COLORECTAL SURGERY	
1st choice	Cefuroxime 1.5 g IV single dose at induction plus 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.	

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

PEG INSERTION	
1st choice	Cefuroxime 750 mg IV single dose before the procedure

