

Surgical prophylaxis in Obstetrics and Gynaecology

Obstetrics

All doses IV unless otherwise stated

Procedure	Recommendation	Alternative	MRSA+
Caesarean section	Cefuroxime 1.5g immediately prior to incision, unless gestation less than 32 weeks, in which case post clamping of cord	Clindamycin 600mg	Add teicoplanin 400mg
Assisted delivery	Not recommended		
Perineal tear-prophylaxis recommended for 3 rd /4 th degree tears only	Co-amoxiclav 1.2g in theatre followed by oral for 7 days,	Cefuroxime 1.5g plus metronidazole 500mg (minor allergy) or clindamycin 900mg (major penicillin allergy)	Add teicoplanin 400mg
Manual removal of the placenta	Co-amoxiclav 1.2g	Clindamycin 600mg	Add teicoplanin 400mg
Induced abortion	Metronidazole 1g PR or 800mg oral and Azithromycin 1g oral (If chlamydia test is negative not required).	Substitute metronidazole with clindamycin 600mg Substitute azithromycin with doxycycline 100mg twice daily for 7 days	
Evacuation of incomplete miscarriage	Not recommended		

Gynaecology

All doses IV unless otherwise stated

** Dose based on ideal body weight if obese

Procedure	Recommendation	Alternative	MRSA+
Hysterectomy- abdominal, vaginal or laparoscopic	Gentamicin 2mg**/kg plus metronidazole 500mg	Clindamycin 600mg	Add teicoplanin 400mg
Intra uterine contraceptive device (IUCD) insertion	Not recommended		
Laparoscopy – diagnostic, operative, endometrial ablation	Not recommended		
Exploratory laparotomy	Not recommended		
Hysteroscopy – diagnostic, operative, endometrial ablation	Not recommended		
Hysterosalpingogram or chromotubation	Not recommended unless history of PID then oral doxycycline 100mg before procedure followed by 100mg twice daily for 5 days if dilated tubes		
Endometrial biopsy	Not recommended		
Induced abortion/dilation	Metronidazole 1g PR or 800mg oral plus azithromycin* 1g oral * If chlamydia test is negative not required.	Substitute metronidazole with clindamycin 600mg Substitute azithromycin with doxycycline 100mg twice daily for 7 days	
Urogynaecological procedures including those involving mesh	As per hysterectomy		
*Urodynamics	Nil		
Oocyte recovery	cefuroxime 1.5g plus metronidazole 800mg oral	Gentamicin 2mg**/kg plus metronidazole 800mg oral	

Antibiotic prophylaxis for gynaecologic procedures. American College of Obstetricians and Gynecologists (ACOG) Practice Bulletin. Vol 113, no.5, May 2009.

Agreed by NHS Lothian Antimicrobial Management Team in consultation with the Clinical Management Team for Obstetrics and Gynaecology.

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