

1 **Appendix. Antibiotic choice for prophylaxis of surgical site infection according to Indonesian and**
 2 **international guidelines.**

Surgery classification	American Society of Health-System Pharmacists 2013 ⁴	Scottish Intercollegiate Guidelines Network (SIGN) 2014 ⁵	Indonesian Ministry of Health (IMOH) 2011 ⁶	Regional Public Hospital Dr. Soetomo 2009 ⁷
Caesarean delivery	Cefazolin	Flucloxacillin, macrolides and clindamycin. ²	First and second generation cephalosporins, added with metronidazole if anaerobes organism suspected.	Amoxicillin-clavulanat, cefazolin
Laparoscopic procedure (elective, high-risk)	Cefazolin, cefoxitin, cefotetan, ceftriaxone ¹ , ampicillin-sulbactam	Metronidazole, amoxicillin-clavulanate. ³ Second generation cephalosporins, beta-lactam drug combined with a beta-lactamase inhibitor, or gentamicin. ³		Ceftriaxone + metronidazole, cefuroxime + metronidazole
Head surgeries (clean with placement of prosthesis)	Cefazolin, cefuroxime	Metronidazole, amoxicillin-clavulanate. ⁴		Cefazolin
Orthopaedic procedures	Cefazolin	Flucloxacillin, macrolides and clindamycin. ²		Cefazolin
Appendectomy	Cefoxitin, cefotetan, cefazolin + metronidazole	Metronidazole, amoxicillin-clavulanate. ³ Second generation cephalosporins, beta-lactam drug combined with a beta-lactamase inhibitor, or gentamicin. ³		Cefazolin + metronidazole, cefuroxime

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4 Note: ¹ Ceftriaxone use should be limited to patients requiring antimicrobial treatment for acute cholecystitis or
 5 acute biliary tract infection. ² Surgical site infection organism for a skin wound at any site: *Staphylococcus*
 6 *aureus*, Beta-haemolytic streptococci (BHS) susceptible to flucloxacillin, macrolides and clindamycin. ³
 7 Anaerobes, *E. coli* and Enterobacteriaceae are an additional pathogens (to *S. aureus* and BHS) by site of
 8 infection: anaerobes susceptible to metronidazole and amoxicillin-clavulanate; *E. coli* and Enterobacteriaceae
 9 susceptible to second generation cephalosporins, beta-lactam drug combined with a beta-lactamase inhibitor, or
 10 gentamicin. ⁴ Oral anaerobes is an additional pathogens (to *S. aureus* and BHS) by site of infection susceptible
 11 to metronidazole and amoxicillin-clavulanate.

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