Surgery	Benefits	Practice strategies
Clean		
Total joint arthroplasty	Surgical site infections	A single preoperative dose is enough; Postoperative or 24-hour continued perioperative use is unnecessary
Closed fracture surgery	Deep surgical site infections (single dose and multiple dose), Superficial surgical site infections(single dose and multiple dose)	Single dose intravenous prophylaxis is not inferior to multiple dose regimens; Appears to be cost-effective
Breast cancer surgery Tube thoracostomy for traumatic chest	Surgical site infections	Single dose of preoperative prophylactic antibiotics is enough
injuries	Empyema, Overall infectious complications	Especially beneficial for penetrating injuries Cefazolin is optimum; Clindamycin and vancomycin are
Craniotomy surgery Breast reduction surgery	Meningitis Surgical site infections	alternative agents when β-lactam allergy occurs Single dose of preoperative use is effective; Postoperative use is unnecessary
Hernioplasty surgery	Postoperative wound infection	Showed benefit in high infection risk environment
Shunt surgery in children with hydrocephalus	Infections	Preoperative administration is recommended
Plastic and reconstructive surgery (Clean)	Surgical site infections	Short-term antibiotic prophylaxes are preferred to longer-course regimen
Herniorrhaphy surgery	-	Insufficient evidence to support
Mohs Surgery	-	Oral administration is not recommended, while intra-incisional prophylaxis may be effective
Simple hand surgery	-	Insufficient evidence to support
Thyroid surgery	-	Preoperative patient preparation and the observance of the rules of asepsis are preferred, rather than routine administration of antibiotic prophylaxis
Hepatectomy	-	Insufficient evidence to support
Clean-contaminated	Wound infection, endometritis, febrile morbidity, serious infectious	
Cesarean section Percutaneous nephrolithotomy	morbidity	Intravenously administered either at the start of the operative procedure or at or after clamping of the cord Preoperative administration is necessary, especially for suspected infectious stones
Percutaneous nephrontholomy Percutaneous endoscopic gastrostomy	Postoperative sepsis Peristomal site infection	Preoperative auministration is necessary, especially for suspected infectious stones Preoperative broad-spectrum antibiotics; Especially when using "pull" method for tube insertion
Elective laparoscopic cholecystectomy	Surgical site infections	2-3 doses of preoperative antibiotic prophylaxis is optimum in low-risk patients
Dental implants surgery	Early implant failure	A single antibiotic prophylaxis dose in healthy patients
Elective vaginal hysterectomy	Urinary tract infections, Postoperative fever, Pelvic infection, Post operative infections	A single dose of antibiotics intravenously within two hours of the surgical incision is the most common practice
Elective abdominal hysterectomy	Urinary tract infections, Abdominal wound infection, Postoperative fever, Pelvic infection	A single dose of antibiotics intravenously within two hours of the surgical incision is the most common practice
Transurethral resection of the prostate Renal transplant recipients	Postoperative bacteriuria, Septicemia Bacteriuria, Bacteremia	Short cause antibiotics may be more effective than single dose regimens. And quinolones, cephalosporins and co-trimoxazole are preferred options No benefit for graft survival or mortality; Limited data and poor quality of evidence
Tooth extraction	Postsurgical infectious complications	Antibiotics given just before or just after surgery (or both)
Surgery for incomplete abortion	Genital tract infection	More effective for women in high-income countries
Plastic and reconstructive surgery (Clean- contaminated)	Surgical site infections	Short-term antibiotic prophylaxes are preferred to longer-course regimen
Ureteroscopic lithotripsy Rhinoplasty	Bacteriuria, Postoperative pyuria	Single dose of oral preoperative antibiotic prophylaxis
Stented distal hypospadias repair	-	Insufficient evidence to support Insufficient evidence to support
Post-midurethral sling placement	-	Postoperative use is unnecessary; The benefit of postoperative use is still unknown
Endoscopic sinus surgery Kidney transplant recipients with	-	Insufficient evidence to support Insufficient evidence to support
asymptomatic bacteriuria Transurethral resection of bladder tumors	-	Insufficient evidence to support
Contaminated		
Endoscopic resection for colorectal lesions	Postoperative adverse events	Especially for patients with hypertension, large size (>2 cm) and nonpolypoid configuration of the lesion
Colorectal surgery	Surgical wound infection	Broad-spectrum antibiotics covering both aerobic and anaerobic bacteria
Transrectal prostate biopsy Dirty or infected	Pooled infectious complications	A full 1-day administration of fluoroquinolones, cephalosporins, aminoglycosides or fosfomycin as alternatives after critically assessment
Incision and drainage of anorectal abscesses	-	Antibiotic prophylaxis following operative drainage for co-morbid, immunosuppressed patients is acceptable
Undefined		
Any surgical procedures Non-surgical invasive procedure	·	Postoperative continuation of antibiotic prophylaxis is not recommended
Postoperative urinary catheterization	Urinary tract infections	Especially for patients with advanced age or long-term catheterization
Mechanical ventilation	Ventilator-associated pneumonia	Short-term prophylactic antibiotics is effective
Adults undergoing cystoscopy	Symptomatic UTIs	Not benefit for systemic UTIs; Moderate and low quality of evidence
Urodynamic studies	Symptomatic UTIs	Antibiotics need to be selected according to the regional and local resistance data; ciprofloxacin, levofloxacin, and amoxicillin-clavulanic acid are effective
Shock wave lithotripsy in patients with sterile		Insufficient evidence to support
urine		
	-	Antimicrobial-coated EVD catheters may be effective, while systemic antibiotics are not recommended
urine	-	Antimicrobial-coated EVD catheters may be effective, while systemic antibiotics are not recommended Insufficient evidence to support
urine External ventricular drain (EVD) placement Elective endoscopic retrograde	- -	
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular	- - -	Insufficient evidence to support
urine External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation	- - -	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery
urine External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device	- - - -	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement		Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support
urine External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy		Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios		Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited
urine External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease		Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or
urine External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD)	Quality of life, Exacerbation	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloxacin is a valuable option; Especially for patients with high-risk SBP
urine External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloxacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed
urine External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent billiary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloxacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with ampicillin as an acceptable alternative
urine External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloxacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with ampicillin as an acceptable alternative A single-dose oral doxycycline administration is preferred
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloxacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with ampicillin as an acceptable alternative A single-dose oral doxycycline administration is preferred Intracameral/intravitreal administration
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloxacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with ampicillin as an acceptable alternative A single-dose oral doxycycline administration is preferred Intracameral/intravitreal administration The effect of long-term antibiotics is not clear
urine External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloxacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with ampicillin as an acceptable alternative A single-dose oral doxycycline administration The effect of long-term antibiotics is not clear Penicillin or enythromycin is an alternative option
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloxacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with ampicillin as an acceptable alternative A single-dose oral doxycycline administration is preferred Intracameral/intravitreal administration The effect of long-term antibiotics is not clear Penicillin or erythromycin is an alternative option Lack of evidence for neonatal morbidity and mortality and has substantial bias
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloxacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with amplicillin as an acceptable alternative A single-dose oral doxycycline administration is preferred Intracameral/intravitreal administration is preferred Intracameral/intravitreal administration is not clear Penicillin or erythromycin is an alternative option Lack of evidence for neonatal morbidity and mortality and has substantial bias Levofloxacin is effective; No improvement of mortality
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia Chest Trauma	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia Empyema	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloxacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with ampicillin as an acceptable alternative A single-dose oral doxycycline administration The effect of long-term antibiotics is not clear Penicillin or erythromycin is an alternative option Lack of evidence for neonatal morbidity and mortality and has substantial bias Levofloxacin is effective; No improvement of mortality Use of antibiotics should continue for more than 24 hours
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia Chest Trauma Gastrointestinal bleeding in cirrhotic patients	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia Empyema Overall mortality, Bacterial infections	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent billary tract disease or a history of billary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloxacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with ampicillin as an acceptable alternative A single-dose oral doxycycline administration is preferred Intracameral/intravitreal administration The effect of long-term antibiotics is not clear Penicillin or erythromycin is an alternative option Lack of evidence for neonatal morbidity and mortality and has substantial bias Levofloxacin is effective; No improvement of mortality Use of antibiotics should continue for more than 24 hours Oral quinolones (norfloxacin 400 mg b.l.d. for 7 days) or intravenous cephalosporins (ceftriaxone 1g/day for 7 days)
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia Chest Trauma Gastrointestinal bleeding in cirrhotic patients Afebrile neutropenic following chemotherapy	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia Empyema Overall mortality, Bacterial infections All cause mortality	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloxacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with ampicillin as an acceptable alternative A single-dose oral doxycycline administration is preferred Intracameral/intravitival administration The effect of long-term antibiotics is not clear Penicillin or erythromycin is an alternative option Lack of evidence for neonatal morbidity and mortality and has substantial bias Levofloxacin is effective; No improvement of mortality Use of antibiotics should continue for more than 24 hours Oral quinolones are optimum; Especially for hematologic cancer patients No benefit for mortality or improvement of prognosis; Early antibiotics therapy for poststroke infections are recommended, whereas antibiotics for
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia Chest Trauma Gastrointestinal bleeding in cirrhotic patients Afebrile neutropenic following chemotherapy Acute stroke	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia Empyema Overall mortality, Bacterial infections All cause mortality Poststroke infection	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent billiary tract disease or a history of billiary reconstruction surgery increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloxacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with ampicillin as an acceptable alternative A single-dose oral doxycycline administration is preferred Intracameral/intravitreal administration The effect of long-term antibiotics is not clear Penicillin or erythromycin is an alternative option Lack of evidence for neonatal morbidity and mortality and has substantial blas Levofloxacin is effective; No improvement of mortality Use of antibiotics should continue for more than 24 hours Oral quinolones (norfloxacin 400 mg b.i.d. for 7 days) or intravenous cephalosporins (ceftriaxone 1g/day for 7 days) Quinolones are optimum; Especially for hematologic cancer patients No benefit for mortality or improvement of prognosis; Early antibiotics therapy for poststroke infections are recommended, whereas antibiotics for prevention are not
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia Chest Trauma Gastrointestinal bleeding in cirrhotic patients Afebrile neutropenic following chemotherapy Acute stroke ICU stay	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia Empyema Overall mortality, Bacterial infections All cause mortality Poststroke infection ICU-acquired pneumonia	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent billiary tract disease or a history of billiary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylasis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age. Norfloxacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with ampicillin as an acceptable alternative A single dose oral doxycycline administration is preferred Intracameral/intravitreal administration The effect of long-term antibiotics is not clear Penicillin or erythromycin is an alternative option Lack of evidence for neonatal morbidity and mortality and has substantial bias Levofloxacin is effective; No improvement of mortality Use of antibiotics should continue for more than 24 hours Oral quinolones (norfloxacin 400 mg b.i.d. for 7 days) or intravenous cephalosporins (ceftriaxone 1g/day for 7 days) Quinolones are optimum; Especially for hematologic cancer patients No benefit for mortality or improvement of prognosis; Early antibiotics therapy for poststroke infections are recommended, whereas antibiotics for prevention are not
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia Chest Trauma Gastrointestinal bleeding in cirrhotic patients Afebrile neutropenic following chemotherapy Acute stroke ICU stay Vesicoureteral reflux	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia Empyema Overall mortality, Bacterial infections All cause mortality Poststroke infection ICU-acquired pneumonia Febrile and symptomatic UTIs	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent billiary tract disease or a history of billiary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over dosycycline; Less toxic dosycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age. Norfloxacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with amplicillin as an acceptable alternative A single-dose oral dosycycline administration is preferred Intracameral/intravitreal administration The effect of long-term antibiotics is not clear Penicillin or erythromycin is an alternative option Lack of evidence for neonatal morbidity and mortality and has substantial bias Levofloxacin is effective; No improvement of mortality Use of antibiotics should continue for more than 24 hours Oral quinolones (norfloxacin 400 mg b.l.d. for 7 days) or intravenous cephalosporins (celtriaxone 1g/day for 7 days) Quinolones are optimum; Especially for hematologic cancer patients No benefit for mortality or improvement of prognosis; Early antibiotics therapy for poststroke infections are recommended, whereas antibiotics for prevention are not Limited evidence, Concerns about development of antibiotic-resistant pathogens Decision analysis and cost-effectiveness analysis are needed
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia Chest Trauma Gastrointestinal bleeding in cirrhotic patients Afebrile neutropenic following chemotherapy Acute stroke ICU stay Vesicoureteral reflux Non-HIV immunocompromise	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia Empyema Overall mortality, Bacterial infections All cause mortality Poststroke infection ICU-acquired pneumonia Febrile and symptomatic UTIs	Instufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Instifficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate severity COPD or advanced age Norfloxacin is a valuable option: Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with amplicillin as an acceptable alternative A single-dose oral doxycycline administration The effect of long-term antibiotics is not clear Penicillin or erythromycin is an alternative option Lack of evidence for neonatal morbidity and mortality and has substantial bias Levofloxacin is effective; No improvement of more than 24 hours Oral quinolones (norfloxacin 400 mg b.l.d. for 7 days) or intravenous cephalosponins (ceftriaxone 1g/day for 7 days) Quinolones are optimum; Especially for hematologic cancer patients No benefit for mortality or improvement of prognosis; Early antibiotics therapy for poststroke infections are recommended, whereas antibiotics for prevention are not Limited evidence; Concerns about development of antibiotic-resistant pathogens Decision analysis and cost-effectiveness analysis are needed TMA/SMM prophylasis is highly effective
urine External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia Chest Trauma Gastrointestinal bleeding in cirrhotic patients Afebrile neutropenic following chemotherapy Acute stroke ICU stay Vesicoureteral reflux Non-HIV immunocompromise Burn injury	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia Empyema Overall mortality, Bacterial infections All cause mortality Poststroke infection ICU-acquired pneumonia Febrile and symptomatic UTIs	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent billary tract disease or a history of billary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over discycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloxacin is a valuable option; Especially for patients with high-risk SED A balance between women's needs, childbirth setting and provider's experience is needed Penicillin was the chief, with ampicillin as an acceptable alternative A single-dose oral doxycycline administration The effect of long-term antibiotics is not clear Penicillin or erythromycin is an alternative option Lack of evidence for neonatal morbidity and mortality and has substantial bias Levofloxacin is effective; No improvement of mortality Use of antibiotics should continue for more than 24 hours Oral quinolones (norfloxacin 400 mg b.i.d. for 7 days) or intravenous cephalosporins (ceftriaxone sg/day for 7 days) Quinolones are optimum; Especially for hematologic cancer patients No benefit errorality or improvement of prognosis; Early antibiotics therapy for poststroke infections are recommended, whereas antibiotics for proceeding an analysis and cost-effectiveness analysis are needed TMP/SMX prophylaxis is highly effective Insufficient evidence to support
urine External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia Chest Trauma Gastrointestinal bleeding in cirrhotic patients Afebrile neutropenic following chemotherapy Acute stroke ICU stay Vesicoureteral reflux Non-HIV immunocompromise Burn injury Open distal phalanx fractures	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia Empyema Overall mortality, Bacterial infections All cause mortality Poststroke infection ICU-acquired pneumonia Febrile and symptomatic UTIs	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent billiary tract disease or a history of billiary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylasis is very limited Minocycline should theoretically be preferred over doxycycline; Less toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age Norfloracin is a valuable option; Especially for patients with high risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Pencillin was the chief, with ampicillin as an acceptable alternative A single-dose oral doxycycline administration is preferred Intracamera/Intravitreal administration The effect of long term antibiotics is not clear Pencillin or erythromycin is an alternative option Lack of evidence for neonatal morbidity and mortality and has substantial bias Levoflovacin is effective, No improvement of mortality Use of antibiotics should continue for more than 24 hours Oral quinolones (norfloxecin 400 mg b.i.d. for 7 days) or intravenous cephalosporins (ceftriaxone Lg/day for 7 days) Quinolones are optimum, Expecially for hematologic cancer patients. No benefit for mortality or improvement of prognosis; Early antibiotics therapy for poststroke infections are recommended, whereas antibiotics for prevention are in not Limited evidence; Concerns about development of antibiotic-resistant pathogens Decision analysis and cost-effectiveness analysis are needed The PySAMX prophylaxis is highly effective Insufficient evidence to support
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia Chest Trauma Gastrointestinal bleeding in cirrhotic patients Afebrile neutropenic following chemotherapy Acute stroke ICU stay Vesicoureteral reflux Non-HIV immunocompromise Burn injury Open distal phalanx fractures Basilar skull fracture	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia Empyema Overall mortality, Bacterial infections All cause mortality Poststroke infection ICU-acquired pneumonia Febrile and symptomatic UTIs	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures. The clinical benefit of antibiotic prophylasis is very limited Minocycline should theoretically be preferred over doxycycline; Lass toxic doxycycline is preferred in a metastatic setting Use of macrolide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPD or advanced age. Norflosacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childibirth setting and provider's experience is needed Penicillin was the chief, with ampicillin as an acceptable alternative A single dose oral doxycycline administration is preferred Intracemeral/intraviteal administration The effect of long-term antibiotics is not clear Penicillin or erythromycin is an alternative option Lack of evidence for neonatal morbidity and mortality and has substantial bias Levellouscin is effective; No improvement of mortality Use of antibiotics should continue for more than 24 hours Oral quinolones (norflosacin 400 mg b.i.d. for 7 days) or intravenous cephalographins (reffrisance 1g/day for 7 days) Quinolones are optimum, Especially for hematologic cancer patients No bownife for antibiotics. Should continue for more than 24 hours Oral quinolones (norflosacin 400 mg b.i.d. for 7 days) or intravenous cephalographins (reffrisance 1g/day for 7 days) Quinolones are optimum, Especially for hematologic cancer patients No bownife for antibiotic should continue for more than 24 hours Decision analysis and cost effectiveness analysis are needed That PSAMX prophylaxis is highly effective Insufficient evidence to support
urine External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia Chest Trauma Gastrointestinal bleeding in cirrhotic patients Afebrile neutropenic following chemotherapy Acute stroke ICU stay Vesicoureteral reflux Non-HIV immunocompromise Burn injury Open distal phalanx fractures Basilar skull fracture Cardiac arrest	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia Empyema Overall mortality, Bacterial infections All cause mortality Poststroke infection ICU-acquired pneumonia Febrile and symptomatic UTIs	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent biliary tract disease or a history of biliary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over dowycline, Less toxic dowycline is preferred in a metastatic setting Use of macroidia antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate-severity COPO or advanced age Norflosacin is a valuable option: Especially for patients with high-risk SEP A balance between women's needs, childbirth setting and provider's experience is needed Pericillin was the chief, with ampicillin as an acceptable alternative A single-dose oral doxycycline administration is preferred Intracameral/intravitreal administration The effect of long-term antibiotics is not clear Penicillin or erythromycin is an alternative option Lask of evidence for reconstal morbidity and mortality and has substantial bias. Levoflosacin is effective. No improvement of mortality List of antibiotics should continue for more than 24 hours Oral quintolones (profloxacin 400 mg bit.d. for 7 days) or intravenous exphalospoirins (enfiritation are recommended, whereas antibiotics for provention are not Limited evidence; Concerns about development of antibiotic resistant pathogens. Decision analysis and cost effectiveness analysis are needed TMP/SMMX prophylaxis is highly effective Insufficient evidence to support The focus of treatment should be on prompt irrigation and debridences Limitficient evidence to support
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia Chest Trauma Gastrointestinal bleeding in cirrhotic patients Afebrile neutropenic following chemotherapy Acute stroke ICU stay Vesicoureteral reflux Non-HIV immunocompromise Burn injury Open distal phalanx fractures Basilar skull fracture Cardiac arrest Premature rupture of the membranes (PROM)	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia Empyema Overall mortality, Bacterial infections All cause mortality Poststroke infection ICU-acquired pneumonia Febrile and symptomatic UTIs	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent billary tract disease or a history of billary reconstruction surgery Increased adverse events; No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures; The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over dowyycline; Less toxic dowyycline is preferred in a metastatic setting Use of macroilide antibiotics prescribed at least three times per week; The benefit may be generalizable only to patients with moderate severity COPID or advanced age Norfloacin is a valuable option; Especially for patients with high-risk SBP A balance between women's needs, childbirth setting and provider's experience is needed Pericillin was the chief, with amportilin as an acceptable alternative A single-dose oral dowycycline administration is preferred Intrascrimeral/intravitrual administration The effect of long term antibiotics is not clear Penicillin or erythromycin is an alternative option Lack of evidence for menital morbidity and mortality and has substantial bias Lecofloacin is effective. No improvement of mortality Use of antibiotics should continue for more than 24 hours Card quindones (reofloacin 400 mg b.i.d. for 7 days) or intraverous cephalospoinis (refinisonne 1g/day for 7 days) Guinolones (reofloacin 400 mg b.i.d. for 7 days) or intraverous cephalospoinis (refinisonne 1g/day for 7 days) Culmolones (reofloacin 400 mg b.i.d. for 7 days) or intraverous cephalospoinis ferfinisonne 1g/day for 7 days) Culmolones (reofloacin 400 mg b.i.d. for 7 days) or intraverous cephalospoinis ferfinisonne 1g/day for 7 days) Culmolones (reofloacin 400 mg b.i.d. for 7 days) or intraverous cephalospoinis ferfinisonne 1g/day for 7 days) Culmolones (reofloacin 400 mg b.i.d. for 7 days) or intraverous cephalospoinis ferfinisonne 1g/day for 7 days) Culmolones (reofloacin 400 mg b.i.d.
External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TIVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia Chest Trauma Gastrointestinal bleeding in cirrhotic patients Afebrile neutropenic following chemotherapy Acute stroke ICU stay Vesicoureteral reflux Non-HIV immunocompromise Burn injury Open distal phalanx fractures Basilar skull fracture Cardiac arrest Premature rupture of the membranes (PROM) Women at risk of preterm birth	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia Empyema Overall mortality, Bacterial infections All cause mortality Poststroke infection ICU-acquired pneumonia Febrile and symptomatic UTIs	A judicious use of antibiotics is recommended especially for those with concurrent billary tract disease or a history of billary reconstruction surgery Increased adverse events. No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures: The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over doxycycline; Loss toxic doxycycline is preferred in a metatatic setting Use of macrolide antibiotics prescribed at least three tenes per week; the benefit may be generalizable only to patients with moderate seventy CDPO or advanced age Northoracin is a valuable option, Especially for patients with high-risk step A balance between women's needs, childberth setting and provider's experience is needed Pericillin was the chief, with empicillin as an acceptable alternative A single-dose oral doxycycline administration is preferred Intracamera/intravtroal administration is preferred Intracamera/intravtroal administration is preferred Intracamera/intravtroal administration of the preferred Level of antibiodics should continue for more than 24 hours Use of antibiodics should continue for more than 24 hours Oral quintones (northoracin 400 mg b.i.d. for 7 days) or intravenous exphalosporine (refinance agreement agreement and the set of the prevention are recommended, whereas antibiotics for prevention are recommended or proposition and device or analysis and cost effectiveness analysis are needed TMP/SMX prophylaxis is highly effective Insufficient evidence to support The focus of treatment should be on prompt trigation and debrideneet: Insufficient evidence to support Insufficient evidence to support Insufficient evidence to support Insufficient evidence to support
urine External ventricular drain (EVD) placement Elective endoscopic retrograde cholangiopancreatography (ERCP) Transarterial therapy of hepatocellular carcinoma Hematopoietic stem cell transplantation (HSCT) Totally implantable venous access device (TTVAD) placement Hysteroscopy Non-procedural scenarios Cancer patients received anti-EGFR inhibitors Chronic obstructive pulmonary disease (COPD) Cirrhosis with ascites Normal vaginal birth Maternal Group B Streptococcal colonization Tick bite Open globe injury Coma History of cellulitis Second or third trimester of pregnancy Chemotherapy for acute leukemia Chest Trauma Gastrointestinal bleeding in cirrhotic patients Afebrile neutropenic following chemotherapy Acute stroke ICU stay Vesicoureteral reflux Non-HIV immunocompromise Burn injury Open distal phalanx fractures Basilar skull fracture Cardiac arrest Premature rupture of the membranes (PROM) Women at risk of preterm birth Acute necrotizing pancreatitis	Quality of life, Exacerbation Spontaneous bacterial peritonitis (SBP), Mortality Endometritis Neonatal all cause infections Unfavorable events Endophthalmitis Ventilator-associated pneumonia Recurrence of cellulitis Puerperal sepsis Febrile neutropenia Empyema Overall mortality, Bacterial infections All cause mortality Poststroke infection ICU-acquired pneumonia Febrile and symptomatic UTIs	Insufficient evidence to support A judicious use of antibiotics is recommended especially for those with concurrent billiary tract disease or a history of billiary reconstruction surgery Increased adverse events, No benefit for mortality Insufficient evidence to support Very low infection rate highlighted after hysteroscopic procedures, The clinical benefit of antibiotic prophylaxis is very limited Minocycline should theoretically be preferred over dowycycline; Less tools dowycycline is preferred in a metastatic setting Use of macrotide antibiotics prescribed at least three times per week; The benefit may be generalization only to patients with moderate-severity COPO or advanced again. Norflowant is a valuable option, Especially for patients with high risk SBP A bilance between women's needs, childrin's setting and provider's expenience is needed Perticillin was the chief, with amplicillin as an acceptable alternative A single-dose and dowycycline administration The effect of long-term antibiotics is not clear Perticillin or erythromychis is an alternative epition Lack orlinderse for receival immorbidity and mortality and has substantial bias Levellinacia is effective; for improvement of mortality Use of antibiotics should continue for more than 24 hours Oral quintolenes are optimum. Expecially for hemotologic concer patients. No benefit for metalling or improvement of prognosis, Early antibiotics through proposition infections are recommended, whereas artibiotics for junctificant evidence, concerns about development of antibiotic resistant pathogens Levellonica are optimum. Expecially for hemotologic concern patients No benefit for metalling or improvement of prognosis, Early antibiotics through proposition infections are recommended, whereas artibiotics for junctificant evidence to support The focus of treatment should be on prompt irrigation and debridenner Insufficient evidence to support The focus of treatment evidence to support