

Bilaga 1. Sökstrategier

4.1–4.2 Gastrointestinal & colorectal surgery

PUBMED (NLM) MAY 2009

Colorectal surgery (Me)	Gallbladder surgery (TiAb)	
Gastrointestinal diseases /SU (Me)	Splenectomy (TiAb)	
Bariatric surgery (Me)	Splenic resection (TiAb)	
Digestive system surgical procedures (Me)	Duodenal surgery (TiAb)	
Pancreas/SU (Me)	Small intestinal surgery (TiAb)	
Esophagus/SU (Me)	Appendectomy (TiAb)	
Stomach/SU (Me)	Hernioplasty (TiAb)	
Gall bladder/SU (Me)	Hernia repair (TiAb)	
Bile ducts/SU (Me)	Herniorrhaphy (TiAb)	
Spleen/SU (Me)	Anal surgery (TiAb)	Antibiotic (TiAb)
Intestine, small/SU (Me)	Hemorrhoidectomy (TiAb)	OR Antibiotics (TiAb)
Appendix/SU (Me)	Liver surgery (TiAb)	OR Antimicrobial (TiAb)
Intestine, large/SU (Me)	Liver resection (TiAb)	AND Prophylax (TiAb)
Hernia/SU (Me)	Hemorrhoidectomy (TiAb)	OR Prophylaxis (TiAb)
Liver/SU (Me)	Liver surgery (TiAb)	OR Prophylactic (TiAb)
Adrenal glands/SU (Me)	Liver resection (TiAb)	AND
Adrenalectomy (Me)	Adrenalectomy (TiAb)	Premedication (NoExp)
Peritoneum/SU (Me)	Peritoneal surgery (TiAb)	OR Perioperative care (MJR)
Hemorrhoids/SU (Me)	Wounds, penetrating (MJR)	AND Anti-bacterial agents /AD (Me)
Splenectomy (Me)	OR Penetrating (Ti)	OR Anti-bacterial agents /TU (Me)
Colorectal surgery (TiAb)	AND Abdominal injuries (MJR)	Antibiotic prophylaxis (Me)
Bariatric surgery (TiAb)	OR Viscera/IN	
Pancreatic surgery (TiAb)	OR Abdominal (Ti)	
Esophageal surgery (TiAb)	OR Viscus (Ti)	
Gastric surgery (TiAb)		
Bile duct surgery (TiAb)		

NOT

Lipectomy (Me)
 Pancreas transplantation (Me)
 Liver transplantation (Me)
 Transplantation (Ti)

Sepsis (NoExp)
Bacteremia (Me,TiAb)
Surgical wound
infection (Me)
Postoperative
AND complications (Me)
Wound infection (Me)
iatrogenic disease (Me)
Surgical site infection (TiAb)
Infection* (TiAb)
iatrogenic (TiAb)
Anastomotic
breakdown (TiAb)

Controlled clinical trial (PT)
Meta analysis (PT)
Randomized controlled trial (PT)
Systematic (SB)
Prospective studies (Me)
AND Cohort (TiAb)

Randomized (TiAb)
AND Controlled (TiAb)
AND Trial (TiAb)

(("Colorectal Surgery"[MeSH] OR "Gastrointestinal Diseases/surgery"[MeSH] OR "Bariatric Surgery"[MeSH] OR "Digestive System Surgical Procedures"[MeSH] OR "Pancreas/surgery"[MeSH] OR "Esophagus/surgery"[MeSH] OR "Stomach/surgery"[MeSH] OR "Gallbladder/surgery"[MeSH] OR "Bile Ducts/surgery"[MeSH] OR "Spleen/surgery"[MeSH] OR "Intestine, Small/surgery"[MeSH] OR "Appendix/surgery"[MeSH] OR "Intestine, Large/surgery"[MeSH] OR "Hernia/surgery"[MeSH] OR "Liver/surgery"[MeSH] OR "Adrenal Glands/surgery"[MeSH] OR "Adrenalectomy"[MeSH] OR "Peritoneum/surgery"[MeSH] OR "Hemorrhoids/surgery"[MeSH] OR "Splenectomy"[MeSH] OR "colorectal surgery"[Title/Abstract] OR "bariatric surgery"[Title/Abstract] OR "pancreatic surgery"[Title/Abstract] OR "esophageal surgery"[Title/Abstract] OR "gastric surgery"[Title/Abstract] OR "bile duct surgery"[Title/Abstract] OR "gallbladder surgery"[Title/Abstract] OR "splenectomy"[Title/Abstract] OR "splenic resection"[Title/Abstract] OR "duodenal surgery"[Title/Abstract] OR "small intestinal surgery"[Title/Abstract] OR "appendectomy"[Title/Abstract] OR "hernioplasty"[Title/Abstract] OR "hernia repair"[Title/Abstract] OR "herniorrhaphy"[Title/Abstract] OR "anal surgery"[Title/Abstract] OR "hemorrhoidectomy"[Title/Abstract] OR "liver surgery"[Title/Abstract] OR "liver resection"[Title/Abstract] OR "adrenalectomy"[Title/Abstract] OR "peritoneal surgery"[Title/Abstract] OR ("Wounds, penetrating"[MeSH Major Topic] OR "penetrating"[title]) AND ("Abdominal injuries"[MeSH Major topic] OR "Viscera/injuries"[MeSH Major Topic] OR "abdominal"[title] OR "viscus"[title])) NOT ("Lipectomy"[MeSH] OR "Pancreas Transplantation"[MeSH] OR "Liver Transplantation"[MeSH] OR "transplantation"[Title])) AND (((("antibiotic"[Title/Abstract] OR "antibiotics"[Title/Abstract] OR "antimicrobial"[Title/Abstract]) AND ("prophylax"[Title/Abstract] OR "prophylaxis"[Title/Abstract] OR "prophylactic"[Title/Abstract])) OR ("Premedication"[MeSH:noexp] OR "Perioperative care"[MeSH Major Topic]) AND ("Anti-Bacterial Agents/administration and dosage"[MeSH] OR "Anti-Bacterial agents/therapeutic use"[MeSH Terms])) OR "antibiotic prophylaxis"[MeSH Terms]) AND ("Sepsis"[MeSH:NoExp] OR "bacteremia"[MeSH Terms] OR "surgical wound infection"[MeSH Terms] OR "postoperative complications"[MeSH Terms] OR "wound infection"[MeSH Terms] OR "iatrogenic disease"[MeSH Terms] OR "surgical site infection"[Title/Abstract] OR infection*[Title/Abstract] OR "iatrogenic"[Title/Abstract] OR "bacteremia"[Title/Abstract] OR "anastomotic breakdown"[Title/Abstract]) AND ("controlled clinical trial"[Publication Type] OR "meta analysis"[Publication Type] OR "randomized controlled trial"[Publication Type] OR systematic[*sb*] OR (randomized[Title/Abstract] AND controlled[Title/Abstract] AND trial[Title/Abstract]))

For a sub-search on the timing of antibiotics administration the outcomes search string (*italics*) was exchanged for the following search string:

("drug administration schedule"[MeSH Terms] OR "time factors"[MeSH Terms] OR timing[Title/Abstract] OR "time window"[Title/Abstract] OR timely[Title/Abstract] OR "administration time"[Title/Abstract] OR time[Title])

4.1–4.2 Gastrointestinal & colorectal surgery

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Colorectal surgery (TiAb,De)			
Bariatric surgery (TiAb,De)			
Adrenalectomy (TiAb,De)		Gastrointestinal	
Splenectomy (TiAb,De)		disease (Ti,De)	
Pancreas resection (TiAb,De)		OR Pancreas (Ti,De)	
Esophagus surgery (TiAb,De)		OR Esophagus (Ti,De)	
Stomach surgery (TiAb,De)		OR Stomach (Ti,De)	
Biliary tract surgery (TiAb,De)		OR Gallbladder (Ti,De)	
Appendectomy (TiAb,De)		OR Bile ducts (Ti,De)	
Hernioplasty (TiAb,De)	OR	OR Spleen (Ti,De)	Antibiotic (TiAb)
Hernia repair (TiAb)		OR Small intestine (Ti,De)	OR Antibiotics (TiAb)
Heriorrhaphy (TiAb,De)		OR Appendix (Ti,De)	OR Antimicrobial (TiAb)
Anal surgery (TiAb)		OR Large intestine (Ti,De)	AND Prophylax (TiAb)
Duodenal surgery (TiAb)		OR Hernia (Ti,De)	OR Prophylaxis (TiAb)
Small intestinal surgery (TiAb)		OR Adrenal gland (Ti,De)	AND OR Prophylactic (TiAb)
Hemorrhoidectomy (TiAb,De)		OR Peritoneum (Ti,De)	
Liver surgery (TiAb,De)		OR Hemorrhoids (Ti,De)	Premedication (Ti,De)
Liver lobectomy (TiAb,De)		OR Duodenum (Ti,De)	AND Antibiotic agent (Ti,De)
Partial hepatectomy liver resection (TiAb,De)		OR Anal (Ti,De)	
		AND Surgery (Ti,De)	Antibiotic prophylaxis (De)
Peritoneal surgery (TiAb,De)			
Abdominal surgery (TiAb,De)			

NOT

Lipectomy (Ti,De)
Pancreas transplantation (Ti,De)
Liver transplantation (Ti,De)
Transplantation (Ti)

((('colorectal surgery':ti,ab,de OR 'bariatric surgery':ti,ab,de OR 'adrenalectomy':ti,ab,de OR 'splenectomy':ti,ab,de OR 'pancreas resection':ti,ab,de OR 'esophagus surgery':ti,ab,de OR 'stomach surgery':ti,ab,de OR 'biliary tract surgery':ti,ab,de OR 'appendectomy':ti,ab,de OR 'hernioplasty':ti,ab,de OR 'hernia repair':ti,ab OR 'heriorrhaphy':ti,ab,de OR 'anal surgery':ti,ab OR 'duodenal surgery':ti,ab OR 'small intestinal surgery':ti,ab OR 'hemorrhoidectomy':ti,ab,de OR 'liver surgery':ti,ab,de OR 'liver lobectomy':ti,ab,de OR 'partial hepatectomy liver resection':ti,ab,de OR 'peritoneal surgery':ti,ab OR 'abdominal surgery':ti,ab,de) OR (('gastrointestinal disease':ti,de OR 'pancreas':ti,de OR 'esophagus':ti,de OR 'stomach':ti,de OR 'gallbladder':ti,de OR 'bile ducts':ti,de OR 'spleen':ti,de OR 'small intestine':ti,de OR 'appendix':ti,de OR 'large intestine':ti,de OR 'hernia':ti,de OR 'adrenal gland':ti,de OR 'peritoneum':ti,de OR 'hemorrhoids':ti,de OR 'duodenum':ti,de OR 'anal':ti,de) AND 'surgery':ti,de)) NOT ('lipectomy':ti,de OR 'pancreas transplantation':ti,de OR 'liver transplantation':ti,de OR 'transplantation':ti)) AND

	Sepsis (TiAb,De)		
	Bacteremia (TiAb,De)		
	Surgical infection (TiAb,De)		Controlled clinical trial (TiAb,De)
	Postoperative complication (TiAb,De)		Meta analysis (TiAb,De)
AND		AND	Systematic review (TiAb,De)
	Wound infection (TiAb,De)		Randomi*ed (TiAb)
	Iatrogenic disease (TiAb,De)		AND Controlled (TiAb)
	Surgical site infection (Ti,De)		AND Trial (TiAb)
	Infection* (TiAb)		
	Iatrogenic (TiAb)		
	Anastomotic breakdown (TiAb)		

((('premedication':ti,de AND 'antibiotic agent':ti,de) OR 'antibiotic prophylaxis':de OR ((('antibiotic':ti,ab OR 'antibiotics':ti,ab OR 'antimicrobial':ti,ab) AND ('prophylax':ti,ab OR 'prophylaxis':ti,ab OR 'prophylactic':ti,ab)))) AND ('sepsis':ti,ab,de OR 'bacteremia':ti,ab,de OR 'surgical infection':ti,ab,de OR 'postoperative complication':ti,ab,de OR 'wound infection':ti,ab,de OR 'iatrogenic disease':ti,ab,de OR 'surgical site infection':ti,ab OR 'infection*':ti,ab OR 'iatrogenic':ti,ab OR 'anastomotic breakdown':ti,ab) AND ('controlled clinical trial':ti,ab,de OR 'meta analysis':ti,ab,de OR 'systematic review':ti,ab,de OR (randomi*ed:ti,ab AND 'controlled':ti,ab AND 'trial':ti,ab)))

For a sub-search on the timing of antibiotics administration the outcomes search string (*italics*) was exchanged for the following search string:

('time'/exp OR 'timing':ti,ab OR 'time window':ti,ab OR 'timely':ti,ab OR 'administration time':ti,ab OR time:ti OR 'schedule':ti,ab)

4.1–4.2 Gastrointestinal & colorectal surgery

COCHRANE LIBRARY (WILEY) MAY 2009

Colorectal surgery (Me)			
Gastrointestinal diseases /SU (Me)		Bariatric surgery (AF)	
Bariatric surgery (Me)		Pancreatic surgery (AF)	
Digestive system surgical procedures (Me)		Esophageal surgery (AF)	
Pancrease/SU (Me)		Gastric surgery (AF)	
Esophagus/SU (Me)		Bile duct surgery (AF)	
Stomach/SU (Me)		Gallbladder surgery (AF)	
Gallbladder/SU (Me)		Splenectomy (AF)	
Spleen/SU (Me)		Splenic resection (AF)	
Intestine, small/SU (Me)	OR	Duodenal surgery (AF)	
Appendix/SU (Me)		Small intestinal surgery (AF)	
Intestine, large/SU (Me)		Appendectomy (AF)	AND
Hernia/SU (Me)		Hernioplasty (AF)	
Liver/SU (Me)		Hernia repair (AF)	
Adrenal glands/SU (Me)		Herniorrhaphy (AF)	
Adrenalectomy (Me)		Anal surgery (AF)	
Peritoneum/SU (Me)		Hemorrhoidectomy (AF)	
Hemorrhoids/SU (Me)		Liver surgery (AF)	
Splenectomy (Me)		Liver resection (AF)	
Colorectal surgery (AF)		Adrenalectomy (AF)	
		Peritoneal surgery (AF)	

NOT

Lipectomy (Me)
Pancreas transplantation (Me)
Liver transplantation (Me)
Transplantation (Ti)

Antibiotic (AF)
OR Antibiotics (AF)
OR Antimicrobial (AF)
AND Prophylax (AF)
OR Prophylaxis (AF)
OR Prophylactic (AF)

Premedication (Me)
AND Anti-bacterial agents/AD (Me)

Antibiotic prophylaxis (Me)

AND

Sepsis (NoExp)
Bacteremia (Me,AF)
Wound infection (Me)
Postoperative complications (Me)
iatrogenic (AF)
Infection (Ti)
Infections (AF)
Anastomotic breakdown (AF)

4.1–4.2 Gastrointestinal & colorectal surgery (Cochrane Library (Wiley) may 2009)

- #1 MeSH descriptor Colorectal Surgery explode all trees
- #2 MeSH descriptor Gastrointestinal Diseases explode all trees with qualifier: SU
- #3 MeSH descriptor Bariatric Surgery explode all trees
- #4 MeSH descriptor Digestive System Surgical Procedures explode all trees
- #5 MeSH descriptor Pancreas explode all trees with qualifier: su
- #6 MeSH descriptor Esophagus explode all trees with qualifier: su
- #7 MeSH descriptor Stomach explode all trees with qualifier: su
- #8 MeSH descriptor Gallbladder explode all trees with qualifier: su
- #9 MeSH descriptor Spleen explode all trees with qualifier: su
- #10 MeSH descriptor Intestine, Small explode all trees with qualifier: su
- #11 MeSH descriptor Appendix explode all trees with qualifier: su
- #12 MeSH descriptor Intestine, Large explode all trees with qualifier: su
- #13 MeSH descriptor Hernia explode all trees with qualifier: su
- #14 MeSH descriptor Liver explode all trees with qualifier: su
- #15 MeSH descriptor Adrenal Glands explode all trees with qualifier: su
- #16 MeSH descriptor Adrenalectomy explode all trees
- #17 MeSH descriptor Peritoneum explode all trees with qualifier: su
- #18 MeSH descriptor Hemorrhoids explode all trees with qualifier: su
- #19 MeSH descriptor Splenectomy explode all trees
- #20 (#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19)
- #21 (colorectal surgery) or (bariatric surgery) or (pancreatic surgery) or (esophageal surgery) or (gastric surgery)
- #22 (bile duct surgery) or (gallbladder surgery) or (splenectomy) or (splenic resection) or (duodenal surgery)
- #23 (small intestinal surgery) or (appendectomy) or (hernioplasty) or (hernia repair) or (herniorrhaphy)
- #24 (anal surgery) or (hemorrhoidectomy) or (liver surgery) or (liver resection) or (adrenalectomy)
- #25 (peritoneal surgery)
- #26 (#21 OR #23 OR #24 OR #25 OR #25)
- #27 (#20 OR #26)
- #28 MeSH descriptor Lipectomy explode all trees
- #29 MeSH descriptor Pancreas Transplantation explode all trees
- #30 MeSH descriptor Liver Transplantation explode all trees
- #31 (transplantation):ti
- #32 (#28 OR #29 OR #30 OR #31)
- #33 (#27 AND NOT #32)
- #34 (antibiotic) or (antibiotics) or (antimicrobial)
- #35 (prophylax) or (prophylaxis) or (prophylactic)
- #36 MeSH descriptor Premedication, this term only
- #37 MeSH descriptor Anti-Bacterial Agents explode all trees with qualifier: AD
- #38 MeSH descriptor Antibiotic Prophylaxis explode all trees
- #39 ((#34 AND #35) OR (#36 AND #37) OR #38)
- #40 MeSH descriptor Sepsis, this term only
- #41 MeSH descriptor Bacteremia explode all trees

- #42 MeSH descriptor Wound Infection explode all trees
- #43 MeSH descriptor Postoperative Complications explode all trees
- #44 MeSH descriptor Iatrogenic Disease explode all trees
- #45 (iatrogenic) or (infection):ti or (infections) or (bacteremia) or (anastomotic breakdown)
- #46 (#40 OR #41 OR #42 OR #43 OR #44 OR #45)
- #47 (#33 AND #39 AND #46)

For a sub-search on the timing of antibiotics administration the outcomes search string (#46) was exchanged for the search string below (the resulting search strategy on timing was thus #33 AND #39 AND #51):

- #48 MeSH descriptor Drug Administration Schedule explode all trees
- #49 MeSH descriptor Time Factors explode all trees
- #50 (timing):ti or (timely):ti or (time):ti
- #51 (#48 OR #49 OR #50)

4.3 Jaw surgery

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Molar, third/SU (Me)
Dry socket/PC (Me)
Tooth extraction (Me)
Tooth, impacted/SU (Me)
Apicoectomy (Me)
Mandibular fractures/SU (Me)
Maxillary fractures/SU (Me)
Zygomatic fractures/SU (Me) Antibiotic/s (TiAb)
Alveolar ridge augmentation (Me) OR Antimicrobial (TiAb)
Maxillofacial injuries/SU (Me) AND Prophylax/is (TiAb)
Tooth injuries/SU (Me) OR Prophylactic (TiAb)
Dental implants (Me) OR Prophyla* (Ti)
Dental implantation, endosseous (Me) OR Prevent* (Ti)
Jaw/SU (Me)
Focal infection, dental (Me) AND Premedication (NoExp)
Maxillofacial fractures (TiAb) AND Anti-bacterial agents/AD (Me)
Intraoral bone grafting (TiAb) OR Anti-infective agents (PA)
Third molar surgery (TiAb)
Endosseous implants (TiAb) Anti-infective agents/AD (Me)
AND Preoperative care (Me)

Bone transplantation (Me)
OR Osseointegration (Me) Antibiotic prophylaxis (Me)
OR Titanium (Me)
OR Joint prosthesis (Me)
OR Arthroplasty, replacement
 (NoExp)
OR Prosthesis failure (Me)
OR Prosthesis-related infections (Me)
AND Dentistry (Me)

Periapical (TiAb)
AND Surgery (TiAb)

Alveolitis sicca dolorosa (TiAb)
Dry socket (MeTiAb)
Endocarditis, bacterial (Me)
Bacteremia (MeTiAb)
Surgical wound infection (Me)
AND Postoperative complications (Me) AND Randomized controlled trial (PT)
Wound infection (Me) Systematic (SB)
iatrogenic disease (Me) Random* (TiAb)
Infection* (TiAb) Placebos (SN)
iatrogenic (TiAb)
Endocarditis (TiAb)

4.3 Jaw surgery PubMed (NLM) april 2009

((("molar, third/surgery"[MeSH Terms] OR "dry socket/prevention and control"[MeSH Terms] OR "tooth extraction"[MeSH Terms] OR "Tooth, Impacted/surgery"[MeSH] OR "apicoectomy"[MeSH Terms] OR "mandibular fractures/surgery"[MeSH Terms] OR "Maxillary Fractures/surgery"[MeSH] OR "Zygomatic Fractures/surgery"[MeSH] OR "Alveolar Ridge Augmentation"[MeSH] OR "Maxillofacial Injuries/surgery"[MeSH] OR "Tooth Injuries/surgery"[MeSH] OR "Dental Implants"[MeSH] OR "Dental Implantation, Endosseous"[MeSH] OR "Jaw/surgery"[MeSH] OR "Focal Infection, Dental"[MeSH]) OR ((("Bone Transplantation"[MeSH] OR "Osseointegration"[MeSH] OR "Titanium"[MeSH] OR "Joint Prosthesis"[MeSH] OR "Arthroplasty, Replacement"[MeSH:noexp] OR "Prosthesis Failure"[MeSH] OR "Prosthesis-Related Infections"[MeSH]) AND "Dentistry"[MeSH]) OR ((("periapical"[Title/Abstract] AND "surgery"[Title/Abstract]) OR "maxillofacial fractures"[Title/Abstract] OR "intraoral bone grafting"[Title/Abstract] OR "third molar surgery"[Title/Abstract] OR "endosseous implants"[Title/Abstract])) AND (((("antibiotic"[Title/Abstract] OR "antibiotics"[Title/Abstract] OR "antimicrobial"[Title/Abstract]) AND ("prophylax"[Title/Abstract] OR "prophylaxis"[Title/Abstract] OR "prophylactic"[Title/Abstract] OR Prophyla*[Title] OR Prevent*[Title])) OR ("Premedication"[MeSH:noexp] AND ("Anti-Bacterial Agents/administration and dosage"[MeSH] OR "Anti-Infective Agents"[Pharmacological Action])) OR "antibiotic prophylaxis"[MeSH Terms] OR ("Anti-Infective Agents/administration and dosage"[MeSH Terms] AND "Preoperative Care"[MeSH Terms])) AND ("Alveolitis Sicca Dolorosa"[Title/Abstract] OR "Dry socket"[MeSH Terms] OR "Dry socket"[Title/Abstract] OR "endocarditis, bacterial"[MeSH Terms] OR "bacteremia"[MeSH Terms] OR "surgical wound infection"[MeSH Terms] OR "postoperative complications"[MeSH Terms] OR "wound infection"[MeSH Terms] OR "iatrogenic disease"[MeSH Terms] OR infection*[Title/Abstract] OR "iatrogenic"[Title/Abstract] OR "endocarditis"[Title/Abstract] OR "bacteremia"[Title/Abstract])) AND ("comparative study"[Publication Type] OR "Double blind method"[MeSH Terms] OR "controlled clinical trial"[Publication Type] OR "meta analysis"[Publication Type] OR "randomized controlled trial"[Publication Type] OR systematic[sb] OR random*[Title/Abstract] OR "placebos"[Substance Name])

4.3 Jaw surgery

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Bone transplantation (TiAb,De)
OR bone regeneration (TiAb,De)
OR Titanium (TiAb,De)
OR Joint prosthesis (TiAb,De) Antibiotic/s (TiAb)
OR Tooth prosthesis (TiAb,De) OR Antimicrobial (TiAb)
AND Dentistry (TiAb,De) AND Prophylax/is (TiAb)
OR Prophylactic (TiAb)

Endodontics (TiAb,De)
OR Mandible fracture (TiAb,De) Premedication (De)
OR Maxilla fracture (TiAb,De) AND Antibiotic agent (TiAb,De)
OR Maxillofacial injury (TiAb,De) AND OR Prophyla* (Ti) AND
OR Tooth injury (TiAb,De) OR Prevent* (Ti)
OR Jaw (TiAb,De)

AND Surgery (TiAb,De) Antiinfective agent (De)
AND Preoperative care (De)

Dental surgery (TiAb,De)
AND Molar tooth (TiAb,De) Antibiotic prophylaxis (De)

Tooth extraction (TiAb,De)
Tooth implantation (TiAb,De)

((('dentistry ':ti,ab,de AND ('bone transplantation':ti,ab,de OR 'bone regeneration':ti,ab,de OR 'titanium':ti,ab,de OR 'joint prosthesis':ti,ab,de OR 'tooth prosthesis ':ti,ab,de)) OR ('surgery ':ti,ab,de AND ('endodontics':ti,ab,de OR 'mandible fracture':ti,ab,de OR 'maxilla fracture':ti,ab,de OR 'maxillofacial injury':ti,ab,de OR 'tooth injury':ti,ab,de OR 'jaw':ti,ab,de)) OR ('dental surgery':ti,ab,de AND 'molar tooth':ti,ab,de) OR 'tooth extraction':ti,ab,de OR 'tooth implantation':ti,ab,de) AND (('premedication':de AND ('antibiotic agent':ti,ab,de OR prophyla*:ti OR prevent*:ti)) OR (((('antibiotic':ti,ab OR 'antibiotics':ti,ab OR 'antimicrobial':ti,ab) AND ('prophylax':ti,ab OR 'prophylaxis':ti,ab OR 'prophylactic':ti,ab)) OR 'antibiotic pryphylaxis':de OR ('antiinfective agent':de AND 'preoperative care':de))) AND ('bacterial endocarditis':ti,ab,de OR 'bacteremia':ti,ab,de OR 'surgical infection':ti,ab,de OR 'postoperative complication':ti,ab,de OR 'wound infection':ti,ab,de OR 'iatrogenic disease':ti,ab,de OR 'dry socket':ti,ab OR 'alveolitis sicca dolorosa':ti,ab) AND ('randomized controlled trial':ti,ab,de OR 'meta analysis':ti,ab,de OR 'systematic review':ti,ab,de OR random*:ti,ab OR 'placebo':ti,ab,de)

Alveolitis sicca dolorosa (TiAb)		
Dry socket (TiAb)		
Bacterial endocarditis (TiAb,De)		Randomized controlled trial (TiAb,De)
Bacteremia (TiAb,De)		Meta-analysis (TiAb,De)
Surgical infection (TiAb,De)	AND	Systematic review (TiAb,De)
Postoperative complication (TiAb,De)		Random* (TiAb)
Wound infection (TiAb,De)		Placebo (TiAb,De)
Iatrogenic disease (TiAb,De)		

Endocarditis, bacterial (Me)
Sepsis (NoExp)
Bacteremia (MeAF)
Surgical wound infection (Me)
Postoperative complications (Me)
AND Wound infection (Me) AND Controlled clinical trial (PT)
iatrogenic disease (Me) Systematic (SB)
Infection/s (AF) Random* (TiAb)
iatrogenic (AF) Placebos (SN)
Endocarditis, bacterial (Me)

4.3 Jaw surgery Cochrane Library (Wiley) april 2009

- #1 (antibiotic) or (antibiotics) or (antimicrobial)
- #2 (prophylax) or (prophylaxis) or (prophylactic)
- #3 MeSH descriptor Premedication, this term only
- #4 MeSH descriptor Anti-Bacterial Agents explode all trees with qualifier: AD
- #5 MeSH descriptor Antibiotic Prophylaxis explode all trees
- #6 (#5 OR (#1 AND #2) OR (#3 AND #4))
- #7 MeSH descriptor Sepsis, this term only
- #8 MeSH descriptor Bacteremia explode all trees
- #9 MeSH descriptor Surgical Wound Infection explode all trees
- #10 MeSH descriptor Postoperative Complications explode all trees
- #11 MeSH descriptor Wound Infection explode all trees
- #12 MeSH descriptor Iatrogenic Disease explode all trees
- #13 (iatrogenic) or (infection) or (infections) or (bacteremia)
- #14 (#7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13)
- #15 MeSH descriptor Molar, Third explode all trees with qualifier: SU
- #16 MeSH descriptor Dry Socket explode all trees with qualifier: PC
- #17 MeSH descriptor Tooth Extraction explode all trees
- #18 MeSH descriptor Tooth, Impacted explode all trees with qualifier: SU
- #19 MeSH descriptor Apicoectomy explode all trees
- #20 MeSH descriptor Mandibular Fractures explode all trees with qualifier: SU
- #21 MeSH descriptor Maxillary Fractures explode all trees with qualifier: SU
- #22 MeSH descriptor Zygomatic Fractures explode all trees with qualifier: SU
- #23 MeSH descriptor Alveolar Ridge Augmentation explode all trees
- #24 MeSH descriptor Maxillofacial Injuries explode all trees with qualifier: SU
- #25 MeSH descriptor Tooth Injuries explode all trees with qualifier: SU
- #26 MeSH descriptor Dental Implants explode all trees
- #27 MeSH descriptor Dental Implantation, Endosseous explode all trees
- #28 MeSH descriptor Jaw explode all trees with qualifier: SU
- #29 MeSH descriptor Focal Infection, Dental explode all trees
- #30 (#15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29)
- #31 MeSH descriptor Bone Transplantation explode all trees
- #32 MeSH descriptor Osseointegration explode all trees
- #33 MeSH descriptor Joint Prosthesis explode all trees
- #34 MeSH descriptor Arthroplasty, Replacement, this term only
- #35 MeSH descriptor Prosthesis Failure explode all trees
- #36 MeSH descriptor Prosthesis-Related Infections explode all trees
- #37 MeSH descriptor Dentistry explode all trees
- #38 ((#31 OR #32 OR #33 OR #34 OR #35 OR #36) AND #37)
- #39 (periapical) and (surgery)
- #40 (maxillofacial fractures) or (intraoral bone grafting) or (third molar surgery) or (endosseous implants)
- #41 (#30 OR #38 OR #39 OR #40)
- #42 MeSH descriptor Endocarditis, Bacterial explode all trees
- #43 (#14 OR #42)
- #44 (#6 AND #41 AND #43)

4.4 Vascular surgery

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		Venous (TiAb)	
		OR Vascular (TiAb)	
Vascular surgical		OR Arterial (TiAb)	
procedures (Me)		OR Aortic (TiAb)	
Blood vessel		OR Vein/s (TiAb)	
prosthesis (Me)		AND Surgery (TiAb)	
Stents (Me)		OR Surgical (TiAb)	
Arteries/SU (Me)		OR Reconstruction/s (TiAb)	Antibiotic (TiAb)
Veins/SU (Me)	OR	OR Operation/s (TiAb)	OR Antibiotics (TiAb)
Vascular diseases			OR Antimicrobial (TiAb)
/SU (Me)		Aneurysm/s (TiAb)	AND Prophylax (TiAb)
Endovascular		AND Repair (TiAb)	OR Prophylaxis (TiAb)
treatment (TiAb)		OR Surgery (TiAb)	OR Prophylactic (TiAb)
Aortic graft (TiAb)		OR Surgical (TiAb)	
Vascular access (TiAb)		OR Intervention/s (TiAb)	AND Premedication (NoExp)
Hemodialysis (TiAb)			AND Anti-bacterial
Endoprosthesis (TiAb)		Aneurysm/TH (Me)	agents/AD (Me)
Stent graft (TiAb)		NOT Intracranial	
		aneurysm (MJR)	Antibiotic prophylaxis (Me)
		NOT	Surgical wound infection
			/PC (MJR)
		Peritoneovenous shunt (MJR)	AND Anti-bacterial
		Portasystemic shunt, surgical (MJR)	agents (PA)
		Venous cutdown (MJR)	
		Amputation (MJR)	
		Digestive system diseases (MJR)	
		Lithotripsy (MJR)	
		Dental care (MJR)	
		Cholestasis (MJR)	
		Transplantation (MJR)	

Limits: Humans (Me)

Surgical wound
dehiscence (Me)
Sepsis (NoExp)
Bacteremia (Me)
Surgical wound
infection (Me)
AND
Postoperative
complications (Me)
Wound infection (Me)
iatrogenic disease (Me)
Surgical site
infection (TiAb)
Infection* (TiAb)
iatrogenic (TiAb)
Bacteremia (TiAb)

Controlled clinical trial (PT)
Meta analysis (PT)
Randomized controlled trial (PT)
Systematic (SB)
AND
Randomized (TiAb)
AND Controlled (TiAb)
AND Trial (PT)

(((("Vascular Surgical Procedures"[Mesh] OR "Blood Vessel Prosthesis"[Mesh] OR
 "Stents"[Mesh] OR "Arteries/surgery"[Mesh] OR "Veins/surgery"[Mesh] OR "Vascular
 Diseases/surgery"[Mesh]) OR (("venous"[Title/Abstract] OR "vein"[title/abstract]
 OR "veins"[title/abstract] OR "vascular"[Title/Abstract] OR "arterial"[Title/Abstract]
 OR "aortic"[Title/Abstract]) AND ("surgery"[Title/Abstract] OR "surgical"[Title/
 Abstract] OR "reconstruction"[Title/Abstract] OR "reconstructions"[Title/Abstract]
 OR "operation"[Title/Abstract] OR "operations"[Title/Abstract])) OR ("endovascular
 treatment"[Title/Abstract] OR "aortic graft"[Title/Abstract] OR "vascular access"[Title/
 Abstract] OR "hemodialysis"[Title/Abstract] OR "endoprosthesis"[Title/Abstract] OR
 "stent graft"[Title/Abstract]) OR (("aneurysm"[Title/Abstract] OR "aneurysms"[Title/
 Abstract]) AND ("repair"[Title/Abstract] OR "surgery"[Title/Abstract] OR "surgical"
 [Title/Abstract] OR "intervention"[Title/Abstract] OR "interventions"[Title/Abstract]))
 OR ("aneurysm/therapy"[MeSH Terms] NOT "intracranial aneurysm"[MeSH Major
 Topic])) NOT ("Peritoneovenous Shunt"[Majr] OR "Portasystemic Shunt, Surgical"
 [Majr] OR "Venous Cutdown"[Majr] OR "amputation"[MeSH Major Topic] OR
 "digestive system diseases"[MeSH Major Topic] OR "lithotripsy"[MeSH Major Topic]
 OR "dental care"[MeSH Major Topic] OR "cholestasis"[MeSH Major Topic] OR
 "transplantation"[MeSH Major Topic])) AND ((Humans[MeSH])) AND (((("antibiotic"
 [Title/Abstract] OR "antibiotics"[Title/Abstract] OR "antimicrobial"[Title/Abstract])
 AND ("prophylax"[Title/Abstract] OR "prophylaxis"[Title/Abstract] OR "prophylactic"
 [Title/Abstract])) OR ("Premedication"[MeSH:noexp] AND "Anti-Bacterial Agents/
 administration and dosage"[MeSH]) OR ("Anti-Bacterial Agents"[Pharmacological
 Action] AND "surgical wound infection/prevention and control"[MeSH Major Topic])
 OR "antibiotic prophylaxis"[MeSH]) AND ("surgical wound dehiscence"[MeSH
 Terms] OR "Sepsis"[MeSH:noexp] OR "bacteremia"[MeSH Terms] OR "surgical
 wound infection"[MeSH Terms] OR "postoperative complications"[MeSH Terms]
 OR "wound infection"[MeSH Terms] OR "iatrogenic disease"[MeSH Terms] OR
 "surgical site infection"[Title/Abstract] OR infection*[Title/Abstract] OR "iatrogenic"
 [Title/Abstract] OR "bacteremia"[Title/Abstract]) AND (("controlled clinical trial"
 [Publication Type] OR "meta analysis"[Publication Type] OR "randomized controlled
 trial"[Publication Type] OR systematic[sb] OR (randomized[Title/Abstract] AND
 controlled[Title/Abstract] AND trial[Title/Abstract])))

4.4 Vascular surgery

EMBASE.COM APRIL 2009

	Venous (TiAb)	
	OR Vascular (TiAb)	
	OR Arterial (TiAb)	
Vascular surgery (TiAb,De)	OR Aortic (TiAb)	
Blood vessel	OR Artery (TiAb)	
prosthesis (TiAb,De)	OR Vein/s (TiAb)	
Coronary stent (TiAb,De)	AND Surgery (TiAb)	
Drug eluting stent (TiAb,De)	OR Surgical (TiAb)	
Stent/s (TiAb)	OR Reconstructio/s (TiAb)	
Aorta graft (TiAb,De)	OR	OR Operation/s (TiAb)
Aortic graft (TiAb)		Antibiotic (TiAb)
Endovascular	Aneurysm/s (TiAb)	OR Antibiotics (TiAb)
treatment (TiAb)	AND Repair (TiAb)	OR Antimicrobial (TiAb)
Vascular access (TiAb,De)	OR Surgery (TiAb)	AND Prophylax (TiAb)
Hemodialysis (TiAb,De)	OR Surgical (TiAb)	OR Prophylaxis (TiAb)
Endoprosthesis (TiAb,De)	OR Intervention/s (TiAb)	AND
Stent graft (TiAb)		OR Prophylactic (TiAb)
	Aneurysm surgery (De)	Premedication (Ti,De)
	NOT Intracranial	AND Antibiotic agent (TiAb)
	aneurysm (De)	
	NOT	Antibiotic prophylaxis (De)
	Peritoneum vein shunt (De)	
	Portosystemic anastomosis (De)	
	Amputation (De)	
	Digestive system disease (De)	
	Lithotripsy (De)	
	Dental care (De)	
	Cholestasis (De)	
	Transplantation (De)	

Limit: humans (De)

((('vascular surgery':ti,ab,de OR 'blood vessel prosthesis':ti,ab,de OR 'coronary stent':
ti,ab,de OR 'drug eluting stent':ti,ab,de OR 'stent':ti,ab OR 'stents':ti,ab OR 'aorta graft':
ti,ab,de OR 'aortic graft':ti,ab OR 'endovascular treatment':ti,ab OR 'vascular access':ti,
ab,de OR 'hemodialysis':ti,ab,de OR 'endoprosthesis':ti,ab,de OR 'stent graft':ti,ab OR
(('venous':ti,ab OR 'vein':ti,ab OR 'veins':ti,ab OR 'vascular':ti,ab OR 'arterial':ti,ab OR
'aortic':ti,ab OR 'artery':ti,ab) AND ('surgery':ti,ab OR 'surgical':ti,ab OR 'reconstruc-
tion':ti,ab OR 'reconstructions':ti,ab OR 'operation':ti,ab OR 'operations':ti,ab)) OR
(('aneurysm':ti,ab OR 'aneurysms':ti,ab) AND ('repair':ti,ab OR 'surgery':ti,ab OR 'surgical'
ti,ab OR 'intervention':ti,ab OR 'interventions':ti,ab)) OR ('aneurysm surgery':de NOT
'intracranial aneurysm':de))) NOT (('peritoneum vein shunt':de OR 'portosystemic

	Wound dehiscence (TiAb,De)		
	Sepsis (TiAb,De)		Controlled clinical
	Bacteremia (TiAb,De)		trial (TiAb,De)
	Surgical infection (TiAb,De)		Meta analysis (TiAb,De)
	Postoperative		Systematic review (TiAb,De)
AND	complication (TiAb,De)	AND	
	Wound infection (TiAb,De)		Randomi*ed (TiAb)
	Iatrogenic disease (TiAb,De)		AND Controlled (TiAb)
	Surgical site infection (Ti,De)		AND Trial (TiAb)
	Infection* (TiAb)		
	Iatrogenic (TiAb)		

anastomosis':de OR 'amputation':de OR 'digestive system disease':de OR 'lithotripsy':
de OR 'dental care':de OR 'cholestasis':de OR 'transplantation':de)) AND (('wound
dehiscence':ti,ab,de OR 'sepsis':ti,ab,de OR 'bacteremia':ti,ab,de OR 'surgical infection':
ti,ab,de OR 'postoperative complication':ti,ab,de OR 'wound infection':ti,ab,de OR
'iatrogenic disease':ti,ab,de OR 'surgical site infection':ti,ab OR infection*':ti,ab OR
'iatrogenic':ti,ab) AND (((('antibiotic':ti,ab OR 'antibiotics':ti,ab OR 'antimicrobial':ti,ab)
AND ('prophylax':ti,ab OR 'prophylaxis':ti,ab OR 'prophylactic':ti,ab)) OR ('premedication':
ti,de AND 'antibiotic agent':ti,de) OR 'antibiotic prophylaxis':de) AND ('controlled
clinical trial':ti,ab,de OR 'meta analysis':ti,ab,de OR 'systematic review':ti,ab,de OR
(randomi*ed:ti,ab AND 'controlled':ti,ab AND 'trial':ti,ab)))

4.4 Vascular surgery

COCHRANE LIBRARY (WILEY) APRIL 2009

Vascular surgical procedures (Me)		Venous (AF)	
Blood vessel prosthesis (Me)		OR Vascular (AF)	
Stents (Me)		OR Arterial (AF)	
Arteries/SU (Me)		OR Aortic (AF)	
Veins/SU (Me)		OR Artery (AF)	
Vascular diseases/SU (Me)		OR Vein/s (AF)	
Endovascular treatment (AF)		AND Surgery (AF)	
Aortic graft (AF)	OR	OR Surgical (AF)	
Vascular access (AF)		OR Reconstruction/s (AF)	
Hemodialysis (AF)		OR Operation/s (AF)	
Endoprosthesis (AF)			
Stent graft (AF)		Aneurysm/s (AF)	
		AND Repair (AF)	
Aneurysm/TH (Me)		OR Surgery (AF)	
NOT Intracranial aneurysm (Me)		OR Surgical (AF)	AND
		OR Intervention/s (AF)	

NOT

Peritoneovenous shunt (Me)
Portasystemic shunt, surgical (Me)
Venous cutdown (Me)
Amputation (Me)
Digestive system diseases (Me)
Lithotripsy (Me)
Dental care (Me)
Cholestasis (Me)
Transplantation (Me)

Antibiotic/s (AF)
OR Antimicrobial (AF)
AND Prophylax/is (AF)
OR Prophylactic (AF)

AND

Premedication (Me)
AND Anti-bacterial agents/AD (Me)

AND

Antibiotic prophylaxis (Me)

Surgical wound dehiscence (Me)
Sepsis (NoExp)
Bacteremia (Me)
Surgical wound infection (Me)
Postoperative complications (Me)
Wound infection (Me)
Iatrogenic disease (Me)
Surgical site infection (AF)
Infection* (AF)
Iatrogenic (AF)
Bacteremia (AF)
Sepsis (AF)

4.4 Vascular surgery Cochrane Library (Wiley) april 2009

- #1 (venous) or (vascular) or (arterial) or (aortic) or (artery) or (vein) or (veins)
- #2 (surgery) or (surgical) or (reconstruction) or (reconstructions) or (operation) or (operations)
- #3 (aneurysm) or (aneurysms)
- #4 (repair) or (surgery) or (surgical) or (intervention) or (interventions)
- #5 ((#1 AND #2) OR (#3 AND #4))
- #6 MeSH descriptor Vascular Surgical Procedures explode all trees
- #7 MeSH descriptor Blood Vessel Prosthesis explode all trees
- #8 MeSH descriptor Stents explode all trees
- #9 MeSH descriptor Arteries explode all trees with qualifier: SU
- #10 MeSH descriptor Veins explode all trees with qualifier: SU
- #11 MeSH descriptor Vascular Diseases explode all trees with qualifier: SU
- #12 MeSH descriptor Aneurysm explode all trees with qualifier: TH
- #13 MeSH descriptor Intracranial Aneurysm explode all trees
- #14 (endovascular treatment) or (aortic graft) or (vascular access) or (hemodialysis) or (endoprosthesis) or (stent graft)
- #15 (#5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR (#12 AND NOT #13) OR #14)
- #16 MeSH descriptor Peritoneovenous Shunt explode all trees
- #17 MeSH descriptor Portasystemic Shunt, Surgical explode all trees
- #18 MeSH descriptor Venous Cutdown explode all trees
- #19 MeSH descriptor Amputation explode all trees
- #20 MeSH descriptor Digestive System Diseases explode all trees
- #21 MeSH descriptor Lithotripsy explode all trees
- #22 MeSH descriptor Dental Care explode all trees
- #23 MeSH descriptor Cholestasis explode all trees
- #24 MeSH descriptor Transplantation explode all trees
- #25 (#16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24)
- #26 (#15 AND NOT #25)
- #27 (antibiotic) or (antibiotics) or (antimicrobial)
- #28 (prophylax) or (prophylaxis) or (prophylactic)
- #29 MeSH descriptor Premedication, this term only
- #30 MeSH descriptor Anti-Bacterial Agents explode all trees with qualifier: AD
- #31 MeSH descriptor Antibiotic Prophylaxis explode all trees
- #32 ((#27 AND #28) OR (#29 AND #30) OR #31)
- #33 MeSH descriptor Surgical Wound Dehiscence explode all trees
- #34 MeSH descriptor Sepsis, this term only
- #35 MeSH descriptor Bacteremia explode all trees
- #36 MeSH descriptor Surgical Wound Infection explode all trees
- #37 MeSH descriptor Postoperative Complications explode all trees
- #38 MeSH descriptor Wound Infection explode all trees
- #39 MeSH descriptor Iatrogenic Disease explode all trees
- #40 (surgical site infection) or (infection*) or (iatrogenic) or (bacteremia) or (sepsis)
- #41 (#33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40)
- #42 (#26 AND #32 AND #41)

4.5, 4.10 Gynecology/urology

PUBMED (NLM) MAY 2009

Colposcopy (TiAb)		
Colpotomy (TiAb)		
Culdoscopy (TiAb)		
Dilatation (TiAb)		Cesarean section (TiAb)
Curettage (TiAb)		AND Emergency (TiAb)
Hysterectomy (TiAb)		OR Elective (TiAb)
Hysteroscopy (TiAb)		
Ovariectomy (TiAb)		Prolapse (TiAb)
Salpingostomy (TiAb)		AND Surg* (TiAb)
Sterilization (TiAb)		
Abortion (TiAb)		Oocytes (Me)
Pregnancy reduction (TiAb)		OR Oocyte (TiAb)
Cerclage (TiAb)		AND Retrieval (TiAb)
Delivery (TiAb)	OR	OR
Female urogenital diseases (Me)		Bartholin's (TiAb)
Pregnancy complications /SU (Me)		AND Surg* (TiAb)
Fetoscopy (TiAb)		Urin* (TiAb)
Conization (MeTiAb)		AND Incontinence (TiAb)
Embryo transfer (Me)		AND Surg* (TiAb)
Vulvectomy (TiAb)		Vulva* (TiAb)
Bartholin's glands/SU (Me)		OR Perine* (TiAb)
Obstetric surgical procedures (Me)		AND Resection (TiAb)
Chorionic villi sampling (Me)		
Amniocentesis (MeTiAb)		
Hysterosalpingograph* (TiAb)		
Hysterosalpingosonograph* (TiAb)		

Circumcision (TiAb)	Cystectomy (TiAb)
Orchiectomy (TiAb)	Cystoscopy (TiAb)
Penile implantation (TiAb)	Cystostomy (TiAb)
Prostatectomy (TiAb)	Cystotomy (TiAb)
Transurethral resection of prostate (TiAb)	Nephrectomy (TiAb)
Vasectomy (TiAb)	Ureteroscopy (TiAb)
Vasovasostomy (TiAb)	Urinary diversion (TiAb)
Castration (TiAb)	Urodynamics (TiAb)
Male urogenital diseases/SU (Me)	Laparoscop* (TiAb)
Urologic surgical procedures (Me)	Lithotripsy (Me)
Sperm retrieval (Me)	Kidney calculi/SU (Me)
	Nephrolithiasis/SU (Me)
Prostatic hyperplasia (Me)	Transurethral resection (TiAb)
OR Benign prostatic hyperplasia (TiAb)	AND Bladder (TiAb)
OR Lower urinary tract symptoms (TiAb)	AND Tumor (TiAb)
OR BPH (TiAb)	OR
OR LUTS (TiAb)	Catheterization (Me)
AND Urologic diseases/SU (Me)	OR Diagnostic techniques,
OR Transurethral resection of prostate (Me)	surgical (Me)
OR Prostatic hyperplasia/SU (Me)	AND Urogenital system (Me)
OR Transurethral resection of prostate (TiAb)	OR Male urogenital diseases (Me)
OR TURP (TiAb)	OR Female urogenital diseases and
OR Transurethral microwave thermotherapy	pregnancy complications (Me)
(TiAb)	
OR TUMT (TiAb)	Biops* (TiAb)
OR Transurethral incision of prostate (TiAb)	AND Kidney (TiAb)
OR TUIP (TiAb)	OR Prostate (TiAb)
OR Laser prostatectomy (TiAb)	OR Bladder (TiAb)
OR Urinary catheterization (Me)	OR Cervi* (TiAb)
OR Urinary tract catheter (TiAb)	OR Vulv* (TiAb)
OR Prostatic stent (TiAb)	OR Chorion* (TiAb)
OR Urinary catheterization (TiAb)	OR Testis (TiAb)
	Kidney calculi (TiAb)
	OR Nephrolithiasis (TiAb)
	AND Surg* (TiAb)

Continues on next page

4.5, 4.10 continued

	Sepsis (NoExp)
	Bacteremia (Me)
Antibiotic/s (TiAb)	Surgical wound infection (Me)
OR Antimicrobial (TiAb)	Postoperative complications (Me)
AND Prophylax/is (TiAb)	Wound infection (Me)
OR Prophylactic (TiAb)	Iatrogenic disease (Me)
AND	AND Surgical site infection (TiAb)
Premedication (NoExp)	Infection* (TiAb)
AND Anti-bacterial agents/AD (Me)	Iatrogenic (TiAb)
	Bacteremia (TiAb)
Antibiotic prophylaxis (Me)	Anastomotic breakdown (TiAb)
	Urinary tract infections (MeTiAb)

("Circumcision"[Title/Abstract] OR "Colposcopy"[Title/Abstract] OR "Colpotomy"[Title/Abstract] OR "Culdoscopy"[Title/Abstract] OR "Dilatation"[Title/Abstract] OR "Curettage"[Title/Abstract] OR "Hysterectomy"[Title/Abstract] OR "Hysteroscopy"[Title/Abstract] OR "Ovariectomy"[Title/Abstract] OR "Salpingostomy"[Title/Abstract] OR "Sterilization"[Title/Abstract] OR "Orchiectomy"[Title/Abstract] OR "Penile Implantation"[Title/Abstract] OR "Prostatectomy"[Title/Abstract] OR "Transurethral Resection of Prostate"[Title/Abstract] OR "Vasectomy"[Title/Abstract] OR "Vasovasostomy"[Title/Abstract] OR "Cystectomy"[Title/Abstract] OR "Cystoscopy"[Title/Abstract] OR "Cystostomy"[Title/Abstract] OR "Cystotomy"[Title/Abstract] OR "Nephrectomy"[Title/Abstract] OR "Ureteroscopy"[Title/Abstract] OR "Urinary Diversion"[Title/Abstract] OR "Castration"[Title/Abstract] OR "Abortion"[Title/Abstract] OR "Pregnancy Reduction"[Title/Abstract] OR "Cerclage"[Title/Abstract] OR "Delivery"[Title/Abstract] OR "Urodynamics"[MeSH] OR "Urogenital System/surgery"[MeSH] OR "Male Urogenital Diseases/surgery"[MeSH] OR "Female Urogenital Diseases/surgery"[MeSH] OR "Pregnancy Complications/surgery"[MeSH] OR "Urologic Surgical Procedures"[MeSH] OR "Obstetric Surgical Procedures"[MeSH] OR "Gynecologic Surgical Procedures"[MeSH] OR "Chorionic Villi Sampling"[MeSH] OR "Amniocentesis"[MeSH] OR "amniocentesis"[Title/Abstract] OR hysterosalpingograph*[Title/Abstract] OR hysterosalpingosonograph*[Title/Abstract] OR laparoscop*[Title/Abstract] OR "Lithotripsy"[MeSH] OR "Kidney Calculi/surgery"[MeSH] OR "Nephrolithiasis/surgery"[MeSH] OR "Fetoscopy"[Title/Abstract] OR "Conization"[MeSH] OR "conization"[Title/Abstract] OR "Embryo Transfer"[MeSH] OR "Sperm Retrieval"[MeSH] OR "vulvectomy"[Title/Abstract] OR "Bartholin's Glands/surgery"[MeSH]) OR ("Cesarean Section"[Title/Abstract] AND ("Emergency"[Title/Abstract] OR "Elective"[Title/Abstract])) OR (urin*[Title/Abstract] AND "incontinence"[Title/Abstract] AND surg*[Title/Abstract]) OR ("transurethral resection"[Title/Abstract] AND "bladder"[Title/Abstract] AND "tumor"[Title/Abstract]) OR ("prolapse"[Title/Abstract] AND surg*[Title/Abstract]) OR ("oocytes"[MeSH Terms] OR "oocyte"[Title/Abstract]) AND "retrieval"[Title/Abstract] OR ("bartholin's"[Title/Abstract] AND surg*[Title/Abstract]) OR ((vulva*[Title/Abstract] OR Perine*[Title/Abstract] AND "resection"[Title/Abstract]) OR ("prostatic hyperplasia"[MeSH Terms] OR "benign prostatic hyperplasia"[Title/Abstract] OR "lower urinary tract symptoms"[Title/Abstract] OR "bph"[Title/Abstract] OR "luts"[Title/Abstract]) AND ("urologic diseases/surgery"[MeSH Terms]

	Controlled clinical trial (PT)
	Meta analysis (PT)
	Randomized controlled trial (PT)
	Systematic (SB)
	Randomized (TiAb)
AND	AND Controlled (TiAb)
	AND Trial (TiAb)
	Clinical trial (PT)
	AND Time factors (Me)
	OR Drug administration schedule (Me)

OR "transurethral resection of prostate"[MeSH Terms] OR "prostatic hyperplasia/surgery"[MeSH Terms] OR "transurethral resection of the prostate"[Title/Abstract] OR "transurethral resection of prostate"[Title/Abstract] OR "turp"[Title/Abstract] OR "transurethral microwave thermotherapy"[Title/Abstract] OR "turtm"[Title/Abstract] OR "transurethral incision of prostate"[Title/Abstract] OR "tuip"[Title/Abstract] OR "laser prostatectomy"[Title/Abstract] OR "Urinary Catheterization"[MeSH] OR "urinary tract catheter"[Title/Abstract] OR "prostatic stent"[Title/Abstract] OR "urinary catheterization"[Title/Abstract])) OR (("Catheterization"[MeSH] OR "Diagnostic Techniques, Surgical"[MeSH]) AND ("Urogenital System"[MeSH] OR "Male Urogenital Diseases"[MeSH] OR "Female Urogenital Diseases and Pregnancy Complications"[MeSH])) OR (biops*[Title/Abstract] AND ("kidney"[Title/Abstract] OR "prostate"[Title/Abstract] OR "bladder"[Title/Abstract] OR cervi*[Title/Abstract] OR vulv*[Title/Abstract] OR chorion*[Title/Abstract] OR "testis"[Title/Abstract])) OR (("Kidney Calculi"[Title/Abstract] OR "Nephrolithiasis"[Title/Abstract] AND surg*[Title/Abstract]) AND (((("antibiotic"[Title/Abstract] OR "antibiotics"[Title/Abstract] OR "antimicrobial"[Title/Abstract]) AND ("prophylax"[Title/Abstract] OR "prophylaxis"[Title/Abstract] OR "prophylactic"[Title/Abstract])) OR ("Premedication"[MeSH:noexp] AND "Anti-Bacterial Agents/administration and dosage"[MeSH]) OR "antibiotic prophylaxis"[MeSH Terms]) AND ("Sepsis"[MeSH:noexp] OR "bacteremia"[MeSH Terms] OR "surgical wound infection"[MeSH Terms] OR "postoperative complications"[MeSH Terms] OR "wound infection"[MeSH Terms] OR "iatrogenic disease"[MeSH Terms] OR "surgical site infection"[Title/Abstract] OR infection*[Title/Abstract] OR "iatrogenic"[Title/Abstract] OR "bacteremia"[Title/Abstract] OR "anastomotic breakdown"[Title/Abstract] OR "Urinary Tract Infections"[MeSH] OR "Urinary Tract Infections"[Title/Abstract]) AND ("controlled clinical trial"[Publication Type] OR "meta analysis"[Publication Type] OR "randomized controlled trial"[Publication Type] OR systematic[sb] OR ("Clinical trial"[Publication type] AND ("Time Factors"[MeSH Terms] OR "drug administration schedule"[MeSH Terms])) OR (randomized[Title/Abstract] AND controlled[Title/Abstract] AND trial[Title/Abstract]))))

4.5, 4.10 Gynecology/urology

EMBASE.COM MAY 2009

Circumcision (TiAb,De)	Hysterosalpingosonograph* (TiAb,De)
Colposcopy (TiAb,De)	Urologic examination (De)
Colpotomy (TiAb,De)	Male genital system surgery (De)
Culdoscopy (TiAb,De)	Urologic surgery (De)
Dilatation (TiAb,De)	Obstetric operation (De)
Curettage (TiAb,De)	Gynecologic surgery (De)
Hysterectomy (TiAb,De)	
Hysteroscopy (TiAb,De)	Kidney Calculi (TiAb,De)
Ovariectomy (TiAb,De)	OR Nephrolithiasis (TiAb,De)
Salpingostomy (TiAb,De)	AND Surgery (Ti,De)
Sterilization (TiAb,De)	
Orchiectomy (TiAb,De)	Urogenital system (De)
Penile implantation (TiAb,De)	OR Urogenital tract disease (De)
Prostatectomy (TiAb,De)	OR Pregnancy complication (De)
Transurethral resection of prostate (TiAb,De)	OR Female genital system (De)
Vasectomy (TiAb,De)	AND Surgery (De)
Vasovasostomy (TiAb,De)	
Cystectomy (TiAb,De)	Cesarean section (TiAb,De)
Cystoscopy (TiAb,De)	OR AND Emergency (TiAb,De)
Cystostomy (TiAb,De)	OR Elective (TiAb,De)
Cystotomy (TiAb,De)	
Nephrectomy (TiAb,De)	Urin* (TiAb)
Ureteroscopy (TiAb,De)	AND Incontinence (TiAb)
Urinary diversion (TiAb,De)	AND Surgery (TiAb)
Castration (TiAb,De)	
Abortion (TiAb,De)	Transurethral resection (TiAb)
Pregnancy reduction (TiAb,De)	AND Bladder (TiAb)
Cerclage (TiAb,De)	AND Tumor (TiAb)
Delivery (TiAb,De)	
Urodynamics (TiAb,De)	Prolapse (TiAb)
Chorionic villi sampling (TiAb,De)	AND Surgery (TiAb)
Amniocentesis (TiAb,De)	OR Surgical (TiAb)
Laparoscop* (TiAb,De)	
Lithotripsy (TiAb,De)	Oocytes (TiAb,De)
Hysterosalpingograph* (TiAb,De)	OR Oocyte (TiAb,De)
	AND Retrieval (TiAb)

Bartholin* (TiAb,De)
AND Surg* (Ti,De)

Vulva* (TiAb)
OR Perine* (TiAb)
AND Resection (TiAb)
Transurethral resection (TiAb,De)
OR Prostate surgery (TiAb,De)
OR TURP (TiA)
OR Transurethral microwave thermotherapy (TiAb,De)
OR TUMT (TiAb)
OR Transurethral incision of prostate (TiAb)
OR TUIP (TiAb)
OR Laser prostatectomy (TiAb,De)
OR Catheterization (TiAb,De)
OR Urinary tract catheter (TiAb)
OR Prostatic stent (TiAb,De)
OR Urinary catheterization (TiAb)

OR

Catheterization (TiAb,De)
AND Urogenital system (De)
OR Urogenital tract disease (De)
OR Pregnancy complication (De)
OR Female genital system (De)

Biops* (TiAb)
AND Kidney (TiAb)
OR Prostate (TiAb)
OR Bladder (TiAb)
OR Cervi* (TiAb)
OR Vulv* (TiAb)
OR Chorion* (TiAb)
OR Testis (TiAb)

Continues on next page

4.5, 4.10 continued

	Antibiotic/s (TiAb) OR Antimicrobial (TiAb) AND Prophylaxis (TiAb) OR Prophylactic (TiAb)	Sepsis (TiAb,De) Bacteremia (TiAb,De) Surgical infection (TiAb,De) Postoperative complication (TiAb,De) Wound infection (TiAb,De)
AND	Premedication (Ti,De) AND Antibiotic agent (Ti,De) Antibiotic prophylaxis (De)	AND Iatrogenic disease (TiAb,De) Surgical site infection (TiAb) Infection* (TiAb) Iatrogenic (TiAb) Anastomotic breakdown (TiAb) Urinary tract infection (TiAb,De) Urinary tract infections (TiAb)

((('circumcision':ti,ab,de OR 'colposcopy':ti,ab,de OR 'colpotomy':ti,ab,de OR 'culdoscopy':ti,ab,de OR 'dilatation':ti,ab,de OR 'curettage':ti,ab,de OR 'hysterectomy':ti,ab,de OR 'hysteroscopy':ti,ab,de OR 'ovariectomy':ti,ab,de OR 'salpingostomy':ti,ab,de OR 'sterilization':ti,ab,de OR 'orchietomy':ti,ab,de OR 'penile implantation':ti,ab,de OR 'prostatectomy':ti,ab,de OR 'transurethral resection of prostate':ti,ab,de OR 'vasectomy':ti,ab,de OR 'vasovasostomy':ti,ab,de OR 'cystectomy':ti,ab,de OR 'cystoscopy':ti,ab,de OR 'cystostomy':ti,ab,de OR 'cystotomy':ti,ab,de OR 'nephrectomy':ti,ab,de OR 'ureteroscopy':ti,ab,de OR 'urinary diversion':ti,ab,de OR 'castration':ti,ab,de OR 'abortion':ti,ab,de OR 'pregnancy reduction':ti,ab,de OR 'cerclage':ti,ab,de OR 'delivery':ti,ab,de OR 'fetoscopy':ti,ab,de OR 'conization':ti,ab,de OR 'embryo transfer':ti,ab,de OR 'sperm retrieval':ti,ab,de OR 'vulvectomy':ti,ab,de OR ('bartholin*':ti,ab,de AND 'surgery':ti,de) OR 'urodynamics':ti,ab,de OR 'chorionic villi sampling':ti,ab,de OR 'amniocentesis':ti,ab,de OR hysterosalpingograph*':ti,ab,de OR hysterosalpingosonograph*':ti,ab,de OR laparoscop*':ti,ab,de OR ('kidney calculi':ti,ab,de AND 'surgery':ti,de) OR ('nephrolithiasis':ti,ab,de AND 'surgery':ti,de) OR 'lithotripsy':ti,ab,de) OR (((('urogenital system':de OR 'urogenital tract disease':de OR 'pregnancy complication':de OR 'female genital system':de) AND 'surgery':de) OR 'male genital system surgery':de OR 'urologic surgery':de OR 'obstetric operation':de OR 'gynecologic surgery':de) OR ('cesarean section':ti,ab,de AND ('emergency':ti,ab,de OR 'elective':ti,ab,de)) OR (urin*':ti,ab AND 'incontinence':ti,ab AND ('surgery':ti,ab OR 'surgical':ti,ab)) OR ('transurethral resection':ti,ab AND 'bladder':ti,ab AND 'tumor':ti,ab) OR ('prolapse':ti,ab AND ('surgery':ti,ab OR 'surgical':ti,ab)) OR (('oocyte':ti,ab,de OR 'oocytes':ti,ab,de) AND 'retrieval':ti,ab) OR ((vulva*':ti,ab OR perine*':ti,ab) AND 'resection':ti,ab) OR ('transurethral resection':ti,ab,de OR 'prostate surgery':ti,ab,de OR 'transurethral microwave thermotherapy':ti,ab,de OR 'TURP':ti,ab OR 'TUMT':ti,ab OR 'transurethral incision of the prostate':ti,ab,de OR 'tuirp':ti,ab OR 'laser prostatectomy':ti,ab,de OR 'catheterization':ti,ab,de OR 'prostatic stent':ti,ab,de OR 'urinary tract catheter':ti,ab OR 'urinary catheterization':ti,ab) OR (('catheterization':ti,ab,de AND ('urogenital system':de OR 'urogenital tract disease':de OR 'pregnancy complication':de OR 'female genital system':de)) OR 'urologic examination':de) OR (biops*':ti,ab AND ('kidney':ti,ab OR 'prostate':ti,ab OR 'bladder':ti,ab OR cervi*':ti,ab OR vulv*':ti,ab OR chorion*':ti,ab OR 'testis':ti,ab))) AND ('urinary tract infection':ti,ab,de OR 'urinary tract infections':ti,ab OR 'sepsis':ti,ab,de OR 'bacteremia':ti,ab,de

Controlled clinical trial (TiAb,De)
Meta analysis (TiAb,De)
Systematic reveiw (TiAb,De)

AND

Randomi*ed (TiAb)
AND Controlled (TiAb)
AND Trial (TiAb)

OR 'surgical infection':ti,ab,de OR 'postoperative complication':ti,ab,de OR 'wound infection':ti,ab,de OR 'iatrogenic disease':ti,ab,de OR 'surgical site infection':ti,ab OR infection*:ti,ab OR 'iatrogenic':ti,ab OR 'anastomotic breakdown':ti,ab) AND (((('antibiotic':ti,ab OR 'antibiotics':ti,ab OR 'antimicrobial':ti,ab) AND ('prophylax':ti,ab OR 'prophylaxis':ti,ab OR 'prophylactic':ti,ab)) OR ('premedication':ti,de AND 'antibiotic agent':ti,de) OR 'antibiotic prophylaxis':de) AND ('controlled clinical trial':ti,ab,de OR 'meta analysis':ti,ab,de OR 'systematic review':ti,ab,de OR (randomi*ed:ti,ab AND 'controlled':ti,ab AND 'trial':ti,ab))

4.5, 4.10 Gynecology/urology

COCHRANE LIBRARY (WILEY) MAY 2009

Circumcision (AF)	Embryo transfer (Me)
Colposcopy (AF)	Conization (Me)
Culdoscopy (AF)	Sperm retrieval (Me)
Dilatation (AF)	Bartholin's glands/SU (Me)
Curettage (AF)	Urodynamics (Me)
Hysterectomy (AF)	Chorionic villi sampling (Me)
Hysteroscopy (AF)	Urogenital system/SU (Me)
Ovariectomy (AF)	Male urogenital diseases/SU (Me)
Salpingostomy (AF)	Female urogenital diseases/SU (Me)
Sterilization (AF)	Pregnancy complications/SU (Me)
Orchiectomy (AF)	Urologic surgical procedures (Me)
Penile implantation (AF)	Obstetric surgical procedures (Me)
Prostatectomy (AF)	Gynecologic surgical procedures (Me)
Transurethral resection of prostate (AF)	Amniocentesis (Me)
Vasectomy (AF)	Kidney calculi/SU (Me)
Vasovasostomy (AF)	Nephrolithiasis/SU (Me)
Cystectomy (AF)	Lithotripsy (Me)
Cystoscopy (AF)	OR
Cystostomy (AF)	Cesarean section (AF)
Cystotomy (AF)	AND Emergency (AF)
Nephrectomy (AF)	OR Elective (AF)
Ureteroscopy (AF)	Urin* (AF)
Urinary diversion (AF)	AND Incontinence (AF)
Castration (AF)	AND Surg* (AF)
Abortion (AF)	
Pregnancy reduction (AF)	Transurethral resection (AF)
Cerclage (AF)	AND Bladder (AF)
Delivery (AF)	AND Tumor (AF)
Fetoscopy (AF)	
Conization (AF)	Prolapse (AF)
Vulvectomy (AF)	AND Surg* (AF)
Amniocentesis (AF)	
Hysterosalpinograph* (AF)	Oocytes (Me)
Hysterosalpingosonograph* (AF)	OR Oocyte* (AF)
Laparoscop* (AF)	AND Retrieval (AF)
Lithotripsy (AF)	

Vulva* (AF)
 OR Perine* (AF)
 AND Resection (AF)

Bartholin's (AF)
 AND Surg* (AF)

Catheterization (Me)
 OR Diagnostic techniques, surgical (Me)
 AND Urogenital system (Me)
 OR Male urogenital diseases (Me)
 OR Female urogenital diseases and pregnancy complications (Me)

Biops* (AF)
 AND Kidney (AF)
 OR Prostate (AF)
 OR Bladder (AF)
 OR Cervi* (AF)
 OR Vulv* (AF)
 OR Chorion* (AF)
 OR Testis (AF)

Kidney calculi (AF)
 OR Nephrolithiasis (AF)
 AND Surg* (AF)

Prostatic hyperplasia (Me)
 OR Benign prostatic hyperplasia (AF)
 OR Lower urinary tract symptoms (AF)
 OR BPH (AF)
 OR LUTS (AF)
 AND Urologic diseases/SU (Me)
 OR Transurethral resection of prostate (MeAF)
 OR Prostatic hyperplasia/SU (Me)
 OR Urinary catheterization (MeAF)
 OR Transurethral resection of the prostate (AF)
 OR TURP (AF)
 OR Transurethral microwave thermotherapy (AF)
 OR TUMT (AF)
 OR Transurethral incision of prostate (AF)
 OR TUIP (AF)
 OR Laser prostatectomy (AF)
 OR Urinary tract catheter (AF)
 OR Prostatic stent (AF)

OR

Continues on next page

4.5, 4.10 continued

COCHRANE LIBRARY (WILEY) MAY 2009

		Sepsis (NoExp)
		Bacteremia (Me)
		Surgical wound infection (Me)
		Postoperative complications (Me)
		Wound infection (Me)
		Iatrogenic disease (Me)
AND	AND	Urinary tract infections (MeAF)
		Surgical site infection (AF)
		Infection* (AF)
		Iatrogenic (AF)
		Bacteremia (AF)
		Anastomotic breakdown (AF)

4.5, 4.10 Gynecology/urology Cochrane Library (Wiley) may 2009

- #1 (circumcision) or (colposcopy) or (culdoscopy) or (dilatation) or (curettage)
- #2 (hysterectomy) or (hysteroscopy) or (ovariectomy) or (salpingostomy) or (sterilization)
- #3 (orchiectomy) or (penile implantation) or (prostatectomy) or (transurethral resection of prostate) or (vasectomy)
- #4 (vasovasostomy) or (cystectomy) or (cystoscopy) or (cystostomy) or (cystotomy)
- #5 (nephrectomy) or (ureteroscopy) or (urinary diversion) or (castration) or (abortion)
- #6 (pregnancy reduction) or (cerclage) or (delivery) or (fetoscopy) or (conization)
- #7 (vulvectomy) or (amniocentesis) or (hysterosalpingograph*) or (hysterosalpingosonograph*) or (laparoscop*)
- #8 (lithotripsy)
- #9 MeSH descriptor Embryo Transfer explode all trees
- #10 MeSH descriptor Conization explode all trees
- #11 MeSH descriptor Sperm Retrieval explode all trees
- #12 MeSH descriptor Bartholin's Glands explode all trees with qualifier: SU
- #13 MeSH descriptor Urodynamics explode all trees
- #14 MeSH descriptor Chorionic Villi Sampling explode all trees
- #15 MeSH descriptor Urogenital System explode all trees with qualifier: SU
- #16 MeSH descriptor Male Urogenital Diseases explode all trees with qualifier: SU
- #17 MeSH descriptor Female Urogenital Diseases explode all trees with qualifier: SU
- #18 MeSH descriptor Pregnancy Complications explode all trees with qualifier: SU
- #19 MeSH descriptor Urologic Surgical Procedures explode all trees
- #20 MeSH descriptor Obstetric Surgical Procedures explode all trees
- #21 MeSH descriptor Gynecologic Surgical Procedures explode all trees
- #22 MeSH descriptor Amniocentesis explode all trees
- #23 MeSH descriptor Kidney Calculi explode all trees with qualifier: SU
- #24 MeSH descriptor Nephrolithiasis explode all trees with qualifier: SU
- #25 MeSH descriptor Lithotripsy explode all trees
- #26 (#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25)
- #27 (CESAREAN SECTION)
- #28 (emergency) or (elective)
- #29 (urin*) and (incontinence) and (surg*)
- #30 (transurethral resection) and (bladder) and (tumor)
- #31 (prolapse) and (surg*)
- #32 (oocyte*)
- #33 (retrieval)
- #34 MeSH descriptor Oocytes explode all trees
- #35 (bartholin's) and (surg*)
- #36 (vulva*) or (perine*)
- #37 (resection)
- #38 (#27 AND #28)
- #39 (#33 AND (#32 OR #34))
- #40 (#36 AND #37)
- #41 (#38 OR #29 OR #30 OR #31 OR #39 OR #35 OR #40)

- #42 (benign prostatic hyperplasia) or (lower urinary tract symptoms) or (bph) or (luts)
- #43 MeSH descriptor Prostatic Hyperplasia explode all trees
- #44 (transurethral resection of prostate) or (transurethral resection of the prostate) or (turp) or (transurethral microwave thermotherapy) or (tumt)
- #45 (transurethral incision of prostate) or (tuip) or (laser prostatectomy) or (urinary tract catheter) or (prostatic stent)
- #46 (urinary catheterization)
- #47 MeSH descriptor Urologic Diseases explode all trees with qualifier: SU
- #48 MeSH descriptor Transurethral Resection of Prostate explode all trees
- #49 MeSH descriptor Prostatic Hyperplasia explode all trees with qualifier: SU
- #50 MeSH descriptor Urinary Catheterization explode all trees
- #51 ((#42 OR #43) AND (#44 OR #45 OR #46 OR #47 OR #48 OR #49 OR #50))
- #52 MeSH descriptor Catheterization explode all trees
- #53 MeSH descriptor Diagnostic Techniques, Surgical explode all trees
- #54 MeSH descriptor Urogenital System explode all trees
- #55 MeSH descriptor Male Urogenital Diseases explode all trees
- #56 MeSH descriptor Female Urogenital Diseases explode all trees
- #57 MeSH descriptor Female Urogenital Diseases and Pregnancy Complications explode all trees
- #58 ((#52 OR #53) AND (#54 OR #55 OR #56 OR #57))
- #59 (biops*)
- #60 (kidney) or (prostate) or (bladder) or (cervi*) or (vulv*)
- #61 (chorion*) or (testis)
- #62 (kidney calculi) or (nephrolithiasis)
- #63 (surg*)
- #64 (#59 AND (#60 OR #61))
- #65 (#62 AND #63)
- #66 (#26 OR #41 OR #51 OR #58 OR #64 OR #65)
- #67 (antibiotic) or (antibiotics) or (antimicrobial)
- #68 (prophylax) or (prophylaxis) or (prophylactic)
- #69 (surgical site infection) or (infection*) or (iatrogenic) or (bacteremia) or (anastomotic breakdown)
- #70 (urinary tract infections)
- #71 MeSH descriptor Premedication, this term only
- #72 MeSH descriptor Anti-Bacterial Agents explode all trees with qualifier: AD
- #73 MeSH descriptor Antibiotic Prophylaxis explode all trees
- #74 MeSH descriptor Sepsis, this term only
- #75 MeSH descriptor Bacteremia explode all trees
- #76 MeSH descriptor Surgical Wound Infection explode all trees
- #77 MeSH descriptor Postoperative Complications explode all trees
- #78 MeSH descriptor Wound Infection explode all trees
- #79 MeSH descriptor Iatrogenic Disease explode all trees
- #80 MeSH descriptor Urinary Tract Infections explode all trees
- #81 ((#67 AND #68) OR (#71 AND #72) OR #73)
- #82 (#69 OR #70 OR #74 OR #75 OR #76 OR #77 OR #78 OR #79 OR #80)
- #83 (#66 AND #81 AND #82)

4.6 Orthopedic procedures

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Orthopedic procedures (Me)

Fractures, bone (Me)	Penetr* (TiAb)
Artificial limbs (Me)	OR Open (TiAb)
Bone nails (Me)	AND Joint* (TiAb)
Bone plates (Me)	AND Injur* (TiAb)
Bone screws (Me)	OR Wound* (TiAb)
Internal fixators (Me)	OR Trauma (TiAb)
Joint prosthesis (Me)	
Orthopedics (Me)	OR Prosthesis (TiAb)
Amputation, traumatic (Me)	OR Wounds, penetrating (NoExp)
Fracture* (TiAb)	AND Joint (TiAb)
Orthopedic* (TiAb)	OR Hip (TiAb)
Orthopaedic* (TiAb)	OR Knee (TiAb)
Arthroplast* (TiAb)	OR Elbow (TiAb)
Arthroscopy (TiAb)	OR Shoulder (TiAb)
Hand injuries/SU (MJR)	
Foot injuries/SU (MJR)	

((("orthopedic procedures"[MeSH Terms] OR "fractures, bone"[MeSH Terms] OR "artificial limbs"[MeSH Terms] OR "bone nails"[MeSH Terms] OR "bone plates"[MeSH Terms] OR "bone screws"[MeSH Terms] OR "internal fixators"[MeSH Terms] OR "joint prosthesis"[MeSH Terms] OR "orthopedics"[MeSH Terms] OR "Amputation, Traumatic"[MeSH]) OR ((penetr*[Title/Abstract] OR open[Title/Abstract]) AND joint*[Title/Abstract] AND (injur*[Title/Abstract] OR wound*[Title/Abstract] OR trauma[Title/Abstract])) OR (fracture*[Title/Abstract] OR orthopedic*[Title/Abstract] OR orthopaedic*[Title/Abstract] OR arthroplast*[Title/Abstract] OR "arthroscopy"[Title/Abstract] OR ((("prosthesis"[Title/Abstract] OR "wounds, penetrating"[MeSH:noexp]) AND ("joint"[Title/Abstract] OR "hip"[Title/Abstract] OR "knee"[Title/Abstract] OR "elbow"[Title/Abstract] OR "shoulder"[Title/Abstract]))) AND (((("antibiotic"[Title/Abstract] OR "antibiotics"[Title/Abstract] OR "antimicrobial"[Title/Abstract]) AND ("prophylax"[Title/Abstract] OR "prophylaxis"[Title/Abstract] OR "prophylactic"[Title/Abstract] OR "preventive"[Title/Abstract] OR "prevention"[Title/Abstract] OR "preventing"[Title/Abstract])) OR ("Premedication"[MeSH:noexp] AND "Anti-Bacterial Agents/administration and dosage"[MeSH]) OR "antibiotic prophylaxis"[MeSH Terms]) AND ((("comparative study"[Publication Type] OR "controlled clinical trial"[Publication Type] OR "meta analysis"[Publication Type] OR "randomized controlled trial"[Publication Type] OR systematic[sb] OR (randomized [Title/Abstract] AND controlled[Title/Abstract] AND trial[Title/Abstract])))

Antibiotic (TiAb)
OR Antibiotics (TiAb)
OR Antimicrobial (TiAb)
AND Prophylax (TiAb)
OR Prophylaxis (TiAb)
OR Prophylactic (TiAb)
OR Prevention (TiAb)
AND OR Preventing (TiAb)
OR Surgical wound infection/PI (Me)

Premedication (NoExp)
AND Anti-bacterial agents/AD (Me)

Antibiotic prophylaxis (Me)

Comparative study (PT)
Controlled clinical trial (PT)
Meta analysis (PT)
Randomized controlled trial (PT)
AND Systematic (SB)

Randomized (TiAb)
AND Controlled (TiAb)
AND Trial (PT)

4.6 Orthopedic procedures

EMBASE.COM APRIL 2009

Orthopedic surgery (TiAb,De)		Penetrating trauma (TiAb,De)
Fracture (TiAb,De)		OR Prosthesis (TiAb)
Limb prosthesis (TiAb,De)		AND Joint (TiAb)
Bone nail (TiAb,De)		OR Hip (TiAb)
Bone plate (TiAb,De)		OR Knee (TiAb)
Bone screw (TiAb,De)		OR Elbow (TiAb)
Joint prosthesis (TiAb,De)	OR	OR Shoulder (TiAb)
Orthopedics (TiAb,De)		
Traumatic amputation (TiAb,De)		Penetr* (TiAb)
Fracture* (TiAb)		OR Open (TiAb)
Orthopedic* (TiAb)		AND Joint* (TiAb)
Orthopaedic* (TiAb)		AND Injur* (TiAb)
Arthroplast* (TiAb)		OR Wound* (TiAb)
Arthroscopy (TiAb)		OR Trauma (TiAb)

('antibiotic prophylaxis':de OR ('premedication':ti,de AND 'antibiotic agent':ti,de) OR (('antibiotic':ti,ab OR 'antibiotics':ti,ab OR 'antimicrobial':ti,ab) AND ('prophylax':ti,ab OR 'prophylaxis':ti,ab OR 'prophylactic':ti,ab))) AND ('comparative study':ti,ab,de OR 'controlled clinical trial':ti,ab,de OR 'meta analysis':ti,ab,de OR 'systematic review':ti,ab,de OR (randomi*ed:ti,ab AND 'controlled':ti,ab AND 'trial':ti,ab)) AND ('orthopedic surgery':ti,ab,de OR 'fracture':ti,ab,de OR 'limb prosthesis':ti,ab,de OR 'bone nail':ti,ab,de OR 'bone plate':ti,ab,de OR 'bone screw':ti,ab,de OR 'joint prosthesis':ti,ab,de OR 'orthopedics':ti,ab,de OR 'traumatic amputation':ti,ab,de OR (('penetrating trauma':ti,ab,de OR 'prosthesis':ti,ab) AND ('joint':ti,ab OR 'hip':ti,ab OR 'knee':ti,ab OR 'elbow':ti,ab OR 'shoulder':ti,ab)) OR ((penetr*:ti,ab OR 'open':ti,ab) AND joint*:ti,ab AND (injur*:ti,ab OR wound*:ti,ab OR 'trauma':ti,ab)) OR fracture*:ti,ab OR orthopedic*:ti,ab OR orthopaedic*:ti,ab OR arthroplast*:ti,ab OR 'arthroskopy':ti,ab)

Antibiotic (TiAb)
OR Antibiotics (TiAb)
OR Antimicrobial (TiAb)
AND Prophylax (TiAb)
OR Prophylaxis (TiAb)
AND OR Prophylactic (TiAb)

Premedication (Ti,De)
AND Antibiotic agent (TiAb)

Antibiotic prophylaxis (De)

Comparative study (TiAb,De)
Controlled clinical trial (TiAb,De)
Meta analysis (TiAb,De)
Systematic review (TiAb,De)

AND

Randomi*ed (TiAb)
AND Controlled (TiAb)
AND Trial (TiAb)

4.6 Orthopedic procedures

COCHRANE LIBRARY (WILEY) APRIL 2009

Orthopedic procedures (Me)		Wounds, penetrating (NoExp)
Fractures, bone (Me)		OR Prosthesis (AF)
Artificial limbs (Me)		AND Joint (AF)
Bone Plates (Me)		OR Hip (AF)
Internal fixators (Me)		OR Knee (AF)
Joint prosthesis (Me)	OR	OR Elbow (AF)
Orthopedics (Me)		OR Shoulder (AF)
Amputation, traumatic (Me)		Penetr* (AF)
Fracture* (AF)		OR Open (AF)
Orthopedic* (AF)		AND Joint* (AF)
Orthopaedic* (AF)		AND Injur* (AF)
Arthroscopy (AF)		OR Wound* (AF)
		OR Trauma (AF)

- #1 ((antibiotic) OR (antibiotics) OR (antimicrobial)) AND ((prophylax) OR (prophylaxis) OR (prophylactic) OR (preventive) OR (prevention))
- #2 MeSH descriptor Premedication, this term only
- #3 MeSH descriptor Anti-Bacterial Agents explode all trees with qualifier: AD
- #4 MeSH descriptor Antibiotic Prophylaxis explode all trees
- #5 (#1 OR (#2 AND #3) OR #4)
- #6 MeSH descriptor Orthopedic Procedures explode all trees
- #7 MeSH descriptor Fractures, Bone explode all trees
- #8 MeSH descriptor Artificial Limbs explode all trees
- #9 MeSH descriptor Bone Plates explode all trees
- #10 MeSH descriptor Internal Fixators explode all trees
- #11 MeSH descriptor Joint Prosthesis explode all trees
- #12 MeSH descriptor Orthopedics explode all trees
- #13 MeSH descriptor Amputation, Traumatic explode all trees
- #14 (fracture*) OR (orthopedic*) OR (orthopaedic*) OR (arthroscopy)
- #15 MeSH descriptor Wounds, Penetrating, this term only
- #16 (prosthesis)
- #17 (joint) OR (Hip) OR (knee) OR (elbow) OR (shoulder)
- #18 (penetr*) OR (open)
- #19 (joint*)
- #20 (injur*) OR (wound*) OR (trauma)
- #21 (#6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14)
- #22 ((#15 OR #16) AND #17)
- #23 (#18 AND #19 AND #20)
- #24 (#21 OR #22 OR #23)
- #25 (#5 AND #24)

AND

- Antibiotic (AF)
 - OR Antibiotics (AF)
 - OR Antimicrobial (AF)
- AND Prophylax (AF)
 - OR Prophylaxis (AF)
 - OR Prophylactic (AF)
 - OR Preventive (AF)
 - OR Prevention (AF)
- Premedication (Me)
- AND Anti-bacterial agents/AD (Me)
- Antibiotic prophylaxis (Me)

4.7 Plastic surgery

PUBMED (NLM) APRIL 2009

Cervicoplasty (Me)	Mammoplasty/ies (TiAb)	
Surgery, plastic (Me)	Breast reduction/s (TiAb)	
Reconstructive surgical procedures (Me)	Breast implant/s (TiAb)	
Mammoplasty (Me)	Breast implantation (TiAb)	
Breast implants (Me)	Abdominoplasty (TiAb)	
Burns/SU (Me)	Face lift/s (TiAb)	
Burns/TH (Me)	Lipectomy (TiAb)	
Abdomen/SU (Me)	Liposuction (TiAb)	
Facial paralysis/SU (Me)	Skin graft/s (TiAb)	
Surgical flaps (Me)	Cleft palate (TiAb)	
Hypospadias/SU (Me)	OR Hypertelorism (TiAb)	Necrosis (NoExpTiAb)
Surgery, oral (Me)	OR Craniosynostoses (TiAb)	Fat necrosis (Me)
Craniofacial abnormalities /SU (Me)	OR Craniosynostosis (TiAb)	Surgical wound dehiscence (Me)
Neurofibromatosis 1/SU (Me)	OR Microcephaly (TiAb)	Sepsis (NoExp)
Skin transplantation (Me)	OR Plagiocephaly (TiAb)	Bacteremia (Me)
Skin neoplasms/SU (Me)	OR Crouzon's syndrome/s (TiAb)	AND Surgical wound infection (Me)
Ear, external/SU (Me)	OR Apert (TiAb)	Postoperative complications (Me)
Rhinoplasty (Me)	OR Basalioma (TiAb)	Wound infection (Me)
Rhytidoplasty (Me)	OR Malignant melanoma (TiAb)	iatrogenic disease (Me)
Lipectomy (Me)	OR Recklinghausen (TiAb)	Surgical site infection (TiAb)
Eyelids/SU (Me)	OR Recklinghausen's (TiAb)	Infection* (TiAb)
Melanoma/SU (Me)	OR Decubitus (TiAb)	iatrogenic (TiAb)
Carcinoma, basal cell/SU (Me)	OR Bed sore/s (TiAb)	Bacteremia (TiAb)
Carcinoma, squamous cell/SU (Me)	OR Bedsore/s (TiAb)	
Pressure ulcer/SU (Me)	OR Dermatologic (TiAb)	
Hyperhidrosis/SU (Me)	OR Hyperhidrosis (TiAb)	
Cosmetic surgery (TiAb)	AND Surgery (TiAb)	
Esthetic surgery (TiAb)	OR Surgical (TiAb)	
Aesthetic surgery (TiAb)		
Plastic surgery (TiAb)	Obesity/SU (Me)	
Reconstructive surgery (TiAb)	NOT Bariatric surgery (Me)	
Breast reconstruction (TiAb)		
Mammoplasty/ies (TiAb)		

Antibiotic (TiAb)
OR Antibiotics (TiAb)
OR Antimicrobial (TiAb)
AND Prophylax (TiAb)
OR Prophylaxis (TiAb)
AND Prophylactic (TiAb)

AND

Premedication (NoExp)
AND Anti-bacterial agents
/AD (Me)

Antibiotic prophylaxis (Me)

Comparative study (PT)
Controlled clinical trial (PT)
Meta analysis (PT)
Randomized controlled trial (PT)
Systematic (SB)
Prospective studies (Me)
Cohort (TiAb)

AND

Randomized (TiAb)
AND Controlled (TiAb)
AND Trial (TiAb)

4.7 Plastic surgery – PubMed (NLM) april 2009

("Cervicoplasty"[Mesh] OR "Surgery, Plastic"[Mesh] OR "Reconstructive Surgical Procedures"[Mesh] OR "Mammoplasty"[Mesh] OR "Breast Implants"[Mesh] OR "Burns/surgery"[Mesh] OR "Burns/therapy"[Mesh] OR "Abdomen/surgery"[Mesh] OR "Facial Paralysis/surgery"[Mesh] OR "Surgical Flaps"[Mesh] OR "Hypospadias/surgery"[Mesh] OR "Surgery, Oral"[Mesh] OR "Craniofacial Abnormalities/surgery"[Mesh] OR "Neurofibromatosis 1/surgery"[Mesh] OR "Skin Transplantation"[Mesh] OR "Skin Neoplasms/surgery"[Mesh] OR "Ear, External/surgery"[Mesh] OR "Rhinoplasty"[Mesh] OR "Rhytidoplasty"[Mesh] OR "Lipectomy"[Mesh] OR "Eyelids/surgery"[Mesh] OR "Melanoma/surgery"[Mesh] OR "Carcinoma, Basal Cell/surgery"[Mesh] OR "Carcinoma, Squamous Cell/surgery"[Mesh] OR "Pressure Ulcer/surgery"[Mesh] OR "Hyperhidrosis/surgery"[MeSH Terms] OR ("Obesity/surgery"[Mesh] NOT "Bariatric Surgery"[Mesh]) OR "cosmetic surgery"[Title/Abstract] OR "esthetic surgery"[Title/Abstract] OR "aesthetic surgery"[Title/Abstract] OR "plastic surgery"[Title/Abstract] OR "reconstructive surgery"[Title/Abstract] OR "breast reconstruction"[Title/Abstract] OR "mammoplasty"[Title/Abstract] OR "mammoplasty"[Title/Abstract] OR "mammoplasties"[Title/Abstract] OR "breast reduction"[Title/Abstract] OR "breast reductions"[Title/Abstract] OR "breast implant"[Title/Abstract] OR "breast implants"[Title/Abstract] OR "breast implantation"[Title/Abstract] OR "abdominoplasty"[Title/Abstract] OR "face lift"[Title/Abstract] OR "face lifts"[Title/Abstract] OR "lipectomy"[Title/Abstract] OR "liposuction"[Title/Abstract] OR "skin graft"[Title/Abstract] OR "skin grafts"[Title/Abstract] OR (("cleft palate"[Title/Abstract] OR "hypertelorism"[Title/Abstract] OR "craniosynostoses"[Title/Abstract] OR "craniosynostosis"[Title/Abstract] OR "microcephaly"[Title/Abstract] OR "plagiocephaly"[Title/Abstract] OR "crouzon's syndrome"[Title/Abstract] OR "crouzon's syndromes"[Title/Abstract] OR "apert"[Title/Abstract] OR "basalioma"[Title/Abstract] OR "malignant melanoma"[Title/Abstract] OR "recklinghausen"[Title/Abstract] OR "recklinghausen's"[Title/Abstract] OR "decubitus"[Title/Abstract] OR "bed sore"[Title/Abstract] OR "bed sores"[Title/Abstract] OR "bedsores"[Title/Abstract] OR "bedsore"[Title/Abstract] OR "dermatologic"[Title/Abstract] OR "Hyperhidrosis"[Title/abstract]) AND ("surgery"[Title/Abstract] OR "surgical"[Title/Abstract])) AND ("Necrosis"[Mesh:noexp] OR "Fat Necrosis"[Mesh] OR "necrosis"[Title/Abstract] OR "surgical wound dehiscence"[MeSH Terms] OR "Sepsis"[MeSH:noexp] OR "bacteremia"[MeSH Terms] OR "surgical wound infection"[MeSH Terms] OR "postoperative complications"[MeSH Terms] OR "wound infection"[MeSH Terms] OR "iatrogenic disease"[MeSH Terms] OR "surgical site infection"[Title/Abstract] OR infection*[Title/Abstract] OR "iatrogenic"[Title/Abstract] OR "bacteremia"[Title/Abstract]) AND (((("antibiotic"[Title/Abstract] OR "antibiotics"[Title/Abstract] OR "antimicrobial"[Title/Abstract]) AND ("prophylax"[Title/Abstract] OR "prophylaxis"[Title/Abstract] OR "prophylactic"[Title/Abstract])) OR ("Premedication"[MeSH:noexp] AND "Anti-Bacterial Agents/administration and dosage"[MeSH]) OR "antibiotic prophylaxis"[MeSH]) AND ("comparative study"[Publication type] OR "controlled clinical trial"[Publication Type] OR "meta analysis"[Publication Type] OR "randomized controlled trial"[Publication Type] OR systematic[sb] OR (randomized[Title/Abstract] AND controlled[Title/Abstract] AND trial[Title/Abstract]))

4.7 Plastic surgery

EMBASE.COM APRIL 2009

Cervicoplasty (TiAb,De)		Burn (TiAb,De)	
Plastic surgery (TiAb,De)		OR Abdomen (TiAb,De)	
Reconstructive surgery (TiAb,De)		OR Facial nerve paralysis (TiAb,De)	
Mammoplasty (TiAb)		OR Hypospadias (TiAb,De)	
Mammoplasty (TiAb)		OR Craniofacial malformation (TiAb,De)	
Mammoplasties (TiAb)		OR Neurofibromatosis (TiAb,De)	
Breast reduction (TiAb,De)		OR Skin tumor (TiAb,De)	
Breast reductions (TiAb)		OR External ear (TiAb,De)	
Breast reconstruction (TiAb,De)		OR Eye lid (TiAb,De)	
Breast endoprosthesis (TiAb,De)		OR Melanoma (TiAb,De)	
Breast endoprostheses (TiAb,De)		OR Basal cell carcinoma (TiAb,De)	
Breast implant (TiAb)		OR Squamous cell carcinoma (TiAb,De)	
Breast implants (TiAb)		OR Decubitus (TiAb,De)	
Abdominoplasty (TiAb)		OR Pressure ulcer (TiAb)	
Face lift (TiAb)		OR Cleft palate (TiAb,De)	
Face lifts (TiAb)		OR Hypertelorism (TiAb,De)	
Surgical flaps (TiAb)	OR	OR Craniosynostoses (TiAb)	
Skin transplantation (TiAb,De)		OR Craniofacial synostosis (TiAb,De)	AND
Rhinoplasty (TiAb)		OR Craniosynostosis (TiAb)	
Nose reconstruction (TiAb,De)		OR Microcephaly (TiAb,De)	
Rhytidoplasty (TiAb,De)		OR Plagiocephaly (TiAb,De)	
Lipectomy (TiAb,De)		OR Crouzon syndrome (TiAb,De)	
Liposuction (TiAb,De)		OR Apert (TiAb)	
Cosmetic surgery (TiAb)		OR Acrocephalosyndactyly (TiAb,De)	
Esthetic surgery (TiAb)		OR Basalioma (TiAb)	
Aesthetic surgery (TiAb)		OR Basal cell carcinoma (TiAb,De)	
Skin graft (TiAb)		OR Recklinghausen (TiAb)	
Skin grafts (TiAb)		OR Neurofibromatosis (TiAb,De)	
		OR Decubitus (TiAb,De)	
		OR Bed sore (TiAb)	
Obesity (TiAb,De)		OR Bed sores (TiAb)	
AND Surgery (TiAb,De)		OR Bed sore (TiAb)	
OR Surgical (TiAb)		AND Surgery (TiAb,De)	
NOT Bariatric surgery (TiAb,De)		OR Surgical (TiAb)	

Necrosis (TiAb,De)
 Fat necrosis (TiAb,De) Antibiotic (TiAb)
 Wound dehiscence OR Antibiotics (TiAb)
 (TiAb,De) OR Antimicrobial (TiAb) Controlled clinical trial
 Sepsis (TiAb,De) AND Prophylax (TiAb) (TiAb,De)
 Bacteremia (TiAb,De) OR Prophylaxis (TiAb) Meta analysis (TiAb,De)
 Surgical infection AND OR Prophylactic (TiAb) AND Systematic review
 (TiAb,De) (TiAb,De)
 Postoperative complication Premedication (Ti,De)
 (TiAb,De) AND Antibiotic agent Randomi*ed (TiAb)
 Wound infection (TiAb,De) (Ti,De) AND Controlled (TiAb)
 iatrogenic disease (TiAb,De) AND Trial (TiAb)
 Surgical site infection (TiAb) Antibiotic prophylaxis (De)
 Infection* (TiAb)
 iatrogenic (TiAb)

4.7 Plastic surgery – EMBASE.COM april 2009

(('cervicoplasty':ti,ab,de OR 'plastic surgery':ti,ab,de OR 'reconstructive surgery':ti,ab OR 'mammoplasty':ti,ab OR 'mammoplasty':ti,ab OR 'mammoplasties':ti,ab OR 'mammoplasties':ti,ab OR 'breast reduction':ti,ab,de OR 'breast reductions':ti,ab OR 'breast reconstruction':ti,ab,de OR 'breast endoprosthesis':ti,ab,de OR 'breast endoprostheses':ti,ab OR 'breast implant':ti,ab OR 'breast implants':ti,ab OR 'abdominoplasty':ti,ab OR 'face lift':ti,ab OR 'face lifts':ti,ab) OR (('burn':ti,ab,de OR 'abdomen':ti,ab,de OR 'facial nerve paralysis':ti,ab,de OR 'hypospadias':ti,ab,de OR 'craniofacial malformation':ti,ab,de OR 'neurofibromatosis':ti,ab,de OR 'skin tumor':ti,ab,de OR 'external ear':ti,ab,de OR 'eyelid':ti,ab,de OR 'melanoma':ti,ab,de OR 'basal cell carcinoma':ti,ab,de OR 'squamous cell carcinoma':ti,ab,de OR 'decubitus':ti,ab,de OR 'pressure ulcer':ti,ab OR 'cleft palate':ti,ab,de OR 'hypertelorism':ti,ab,de OR 'craniosynostoses':ti,ab OR 'craniofacial synostosis':ti,ab,de OR 'craniosynostosis':ti,ab OR 'microcephaly':ti,ab,de OR 'plagiocephaly':ti,ab,de OR 'crouzon syndrome':ti,ab,de OR 'apert':ti,ab OR 'acrocephalosyndactyly':ti,ab,de OR 'basalioma':ti,ab OR 'basal cell carcinoma':ti,ab,de OR 'recklinghausen':ti,ab OR 'neurofibromatosis':ti,ab,de OR 'decubitus':ti,ab,de OR 'bed sore':ti,ab OR 'bed sores':ti,ab OR 'bedsore':ti,ab) AND (surgery:ti,ab,de OR surgical:ti,ab)) OR ('obesity':ti,ab,de AND (surgery:ti,ab,de OR surgical:ti,ab) NOT 'bariatric surgery':ti,ab,de) OR ('surgical flaps':ti,ab OR 'skin transplantation':ti,ab,de OR 'rhinoplasty':ti,ab OR 'nose reconstruction':ti,ab,de OR 'rhytidoplasty':ti,ab,de OR 'lipectomy':ti,ab,de OR 'liposuction':ti,ab,de OR 'cosmetic surgery':ti,ab OR 'esthetic surgery':ti,ab OR 'aesthetic surgery':ti,ab OR 'skin graft':ti,ab OR 'skin grafts':ti,ab) AND ('necrosis':ti,ab,de OR 'fat necrosis':ti,ab,de OR 'wound dehiscence':ti,ab,de OR 'sepsis':ti,ab,de OR 'bacteremia':ti,ab,de OR 'surgical infection':ti,ab,de OR 'postoperative complication':ti,ab,de OR 'wound infection':ti,ab,de OR 'iatrogenic disease':ti,ab,de OR 'surgical site infection':ti,ab OR infection*:ti,ab OR 'iatrogenic':ti,ab) AND (((('antibiotic':ti,ab OR 'antibiotics':ti,ab OR 'antimicrobial':ti,ab) AND ('prophylax':ti,ab OR 'prophylaxis':ti,ab OR 'prophylactic':ti,ab)) OR ('premedication':ti,de AND 'antibiotic agent':ti,de) OR 'antibiotic prophylaxis':de) AND ('controlled clinical trial':ti,ab,de OR 'meta analysis':ti,ab,de OR 'systematic review':ti,ab,de OR (randomi*ed:ti,ab AND 'controlled':ti,ab AND 'trial':ti,ab))

4.7 Plastic surgery

COCHRANE LIBRARY (WILEY) APRIL 2009

Cervicoplasty (TiAb,KW)
Plastic surgery (TiAb,KW)
Surgery, plastic (TiAb,KW)
Reconstructive surgical
 procedures (TiAb,KW)
Mammaplasty (TiAb,KW)
Breast implants (TiAb,KW)
Surgical flaps (TiAb,KW)
Surgery, oral (TiAb,KW)
Rhinoplasty (TiAb,KW)
Rhytidoplasty (TiAb,KW)
Lipectomy (TiAb,KW)
Cosmetic surgery (TiAb,KW)
Esthetic surgery (TiAb,KW)
Aesthetic surgery (TiAb,KW) OR
Reconstructive surgery (TiAb,KW)
Breast reconstruction (TiAb,KW)
Mammoplasty/ies (TiAb,KW)
Mammaplasties (TiAb,KW)
Breast reduction/s (TiAb,KW)
Breast implant (TiAb,KW)
Breast implantation (TiAb,KW)
Abdominoplasty (TiAb,KW)
Face lift (TiAb,KW)
Skin transplantation (TiAb,KW)

Obesity (TiAb,KW)
AND Surgery (TiAb,KW)
NOT bariatric surgery (TiAb,KW)

Burns (TiAb,KW)
 OR Abdomen (TiAb,KW)
 OR Facial paralysis (TiAb,KW)
 OR Hypospadias (TiAb,KW)
 OR Craniofacial abnormalities (TiAb,KW)
 OR Neurofibromatosis 1 (TiAb,KW)
 OR Skin neoplasms (TiAb,KW)
 OR Ear, external (TiAb,KW)
 OR Eyelids (TiAb,KW)
 OR Melanoma (TiAb,KW)
 OR Carcinoma, basal cell (TiAb,KW)
 OR Carcinoma, squamous cell (TiAb,KW)
 OR Pressure ulcer (TiAb,KW)
 OR Cleft palate (TiAb,KW)
 OR Hypertelorism (TiAb,KW)
 OR Craniosynostoses (TiAb,KW)
 OR Craniosynostosis (TiAb,KW)
 OR Microcephaly (TiAb,KW)
 OR Plagiocephaly (TiAb,KW)
 OR Crouzon's syndrome (TiAb,KW)
 OR Crouzon's syndromes (TiAb,KW)
 OR Apert (TiAb,KW)
 OR Basalioma (TiAb,KW)
 OR Malignant melanoma (TiAb,KW)
 OR Recklinghausen (TiAb,KW)
 OR Recklinghausen's (TiAb,KW)
 OR Decubitus (TiAb,KW)
 OR Bed sore/s (TiAb,KW)
 OR Bedsores (TiAb,KW)
 AND Surgery (TiAb,KW)
 OR Surgical (TiAb,KW)

Necrosis (TiAb,KW)
Surgical wound dehiscence
(TiAb,KW)
Sepsis (TiAb,KW)
Bacteremia (TiAb,KW)
AND Surgical wound infection
(TiAb,KW)
Postoperative complications
(TiAb,KW)
Wound infection (TiAb,KW)
iatrogenic disease (TiAb,KW)
Surgical site infection
(TiAb,KW)
Infection* (TiAb,KW)
iatrogenic (TiAb,KW)

Antibiotic (TiAb,KW)
OR Antibiotics (TiAb,KW)
OR Antimicrobial (TiAb,KW)
AND Prophylax (TiAb,KW)
OR Prophylaxis (TiAb,KW)
AND OR Prophylactic (TiAb,KW)

Premedication (TiAb,KW)
AND Anti-bacterial agents
(TiAb,KW)

Antibiotic prophylaxis (TiAb,KW)

4.7 Plastic surgery – Cochrane Library (Wiley) april 2009

((cervicoplasty):kw,ti,ab OR (plastic surgery):kw,ti,ab OR (surgery, plastic):kw,ti,ab OR (reconstructive surgical procedures):kw,ti,ab OR (mammoplasty):kw,ti,ab OR (breast implants):kw,ti,ab OR (surgical flaps):kw,ti,ab OR (surgery, oral):kw,ti,ab OR (rhinoplasty):kw,ti,ab OR (rhytidoplasty):kw,ti,ab OR (lipectomy):kw,ti,ab OR ((obesity):kw,ti,ab AND (surgery):kw,ti,ab NOT (bariatric surgery):kw,ti,ab) OR (cosmetic surgery):kw,ti,ab OR (esthetic surgery):kw,ti,ab OR (aesthetic surgery):kw,ti,ab OR (reconstructive surgery):kw,ti,ab OR (breast reconstruction):kw,ti,ab OR (mammoplasty):kw,ti,ab OR (mammoplasties):kw,ti,ab OR (mammplasties):kw,ti,ab OR (breast reduction):kw,ti,ab OR (breast reductions):kw,ti,ab OR (breast implant):kw,ti,ab OR (breast implantation):kw,ti,ab OR (abdominoplasty):kw,ti,ab OR (face lift):kw,ti,ab OR (face lifts):kw,ti,ab OR (liposuction):kw,ti,ab OR (skin graft):kw,ti,ab OR (skin grafts):kw,ti,ab OR (skin transplantation):kw,ti,ab) OR (((burns):kw,ti,ab OR (abdomen):kw,ti,ab OR (facial paralysis):kw,ti,ab OR (hypospadias):kw,ti,ab OR (craniofacial abnormalities):kw,ti,ab OR (neurofibromatosis 1):kw,ti,ab OR (skin neoplasms):kw,ti,ab OR (ear, external):kw,ti,ab OR (eyelids):kw,ti,ab OR (melanoma):kw,ti,ab OR (carcinoma, basal cell):kw,ti,ab OR (carcinoma, squamous cell):kw,ti,ab OR (pressure ulcer):kw,ti,ab OR (cleft palate):kw,ti,ab OR (hypertelorism):kw,ti,ab OR (craniosynostoses):kw,ti,ab OR (craniosynostosis):kw,ti,ab OR (microcephaly):kw,ti,ab OR (plagiocephaly):kw,ti,ab OR (crouzon's syndrome):kw,ti,ab OR (crouzon's syndromes):kw,ti,ab OR (apert):kw,ti,ab OR (basalioma):kw,ti,ab OR (malignant melanoma):kw,ti,ab OR (recklinghausen):kw,ti,ab OR (recklinghausen's):kw,ti,ab OR (decubitus):kw,ti,ab OR (bed sore):kw,ti,ab OR (bed sores):kw,ti,ab OR (bedsores):kw,ti,ab) AND ((surgery):kw,ti,ab OR (surgical):kw,ti,ab) AND ((necrosis):kw,ti,ab OR (surgical wound dehiscence):kw,ti,ab OR (sepsis):kw,ti,ab OR (bacteremia):kw,ti,ab OR (surgical wound infection):kw,ti,ab OR (postoperative complications):kw,ti,ab OR (wound infection):kw,ti,ab OR (iatrogenic disease):kw,ti,ab OR (surgical site infection):kw,ti,ab OR (infection*):kw,ti,ab OR (iatrogenic):kw,ti,ab) AND (((antibiotic):kw,ti,ab OR (antibiotics):kw,ti,ab OR (antimicrobial):kw,ti,ab) AND ((prophylax):kw,ti,ab OR (prophylaxis):kw,ti,ab OR (prophylactic):kw,ti,ab)) OR ((premedication):kw,ti,ab AND ((anti-bacterial agents):kw,ti,ab)) OR (antibiotic prophylaxis):kw,ti,ab)

4.7 Plastic surgery – breast cancer

PUBMED (NLM) FEBRUARY 2009

Breast neoplasms/SU (Me)	
Mastectomy (MeTiAb)	
Mastectomies (TiAb)	Antibiotic (TiAb)
Lumpectomy (TiAb)	OR Antibiotics (TiAb)
Lumpectomies (TiAb)	OR Antimicrobial (TiAb)
Mammectomy (TiAb)	AND Prophylax (TiAb)
Mammectomies (TiAb)	OR Prophylaxis (TiAb)
	OR Prophylactic (TiAb)
Breast neoplasms (Me)	AND
OR Breast cancer (TiAb)	OR Preventing (TiAb)
OR Breast tumor (TiAb)	Premedication (NoExp)
AND/SU (NoExp)	AND Anti-bacterial agents/AD (Me)
OR Surgery (TiAb)	
OR Surgical (TiAb)	Antibiotic prophylaxis (Me)
OR Operation (TiAb)	

("breast neoplasms/surgery"[MeSH Terms] OR mastectomy[MeSH Terms] OR mastectomy[title/abstract] OR mastectomies[title/abstract] OR lumpectomy[title/abstract] OR lumpectomies[title/abstract] OR mammectomy[title/abstract] OR mammectomies[title/abstract] OR (("breast neoplasms"[MeSH Terms] OR "breast cancer"[title/abstract] OR "breast tumor"[title/abstract] OR "breast tumour"[title/abstract])) AND ("surgery"[Subheading:NoExp] OR "surgery"[title/Abstract] OR "surgical"[title/abstract] OR operation[title/abstract])) AND (((("antibiotic"[Title/Abstract] OR "antibiotics"[Title/Abstract] OR "antimicrobial"[Title/Abstract]) AND ("prophylax"[Title/Abstract] OR "prophylaxis"[Title/Abstract] OR "prophylactic"[Title/Abstract] OR "preventing"[Title/abstract])) OR ("Premedication"[MeSH: noexp] AND "Anti-Bacterial Agents/administration and dosage"[MeSH]) OR "antibiotic prophylaxis"[MeSH Terms]) AND ("controlled clinical trial"[Publication Type] OR "meta analysis"[Publication Type] OR "randomized controlled trial"[Publication Type] OR systematic[sb] OR "prospective studies"[MeSH Terms] OR cohort[title/abstract] OR (randomized[Title/Abstract] AND controlled[Title/Abstract] AND trial[Title/Abstract]))

Controlled clinical trial (PT)
Meta analysis (PT)
Randomized controlled trial (PT)
Systematic (SB)
Prospective studies (Me)
AND Cohort (TiAb)

Randomized (TiAb)
AND Controlled (TiAb)
AND Trial (TiAb)

4.7 Plastic surgery – breast cancer

EMBASE.COM FEBRUARY 2009

		Antibiotic (TiAb)
		OR Antibiotics (TiAb)
Breast cancer (TiAb,De)		OR Antimicrobial (TiAb)
Breast tumor (TiAb,De)		OR Antibiotic agent (Ti,De)
Breast tumour (TiAb,De)		AND Prophylax (TiAb)
Breast surgery (TiAbExp)		OR Prophylaxis (TiAb)
Mastectomy (TiAb)	AND	OR Prophylactic (TiAb)
Mastectomies (TiAb)		OR Preventing (TiAb)
Sentinel lymph node biopsy (TiAb,De)		OR Prevention (TiAb)
Lumpectomy (TiAb)		OR Premedication (Ti,De)

Antibiotic prophylaxis (De)

('breast cancer':ti,ab,de OR 'breast tumor':ti,ab,de OR 'breast tumour':ti,ab OR 'breast surgery'/exp OR 'breast surgery':ti,ab OR 'mastectomy':ti,ab OR 'mastectomies':ti,ab OR 'sentinel lymph node biopsy':ti,ab,de OR 'lumpectomy':ti,ab) AND (((('antibiotic':ti,ab OR 'antibiotics':ti,ab OR 'antimicrobial':ti,ab OR 'antibiotic agent':ti,de) AND ('prophylax':ti,ab OR 'prophylaxis':ti,ab OR 'prophylactic':ti,ab OR 'preventing':ti,ab OR 'prevention':ti,ab OR 'premedication':ti,de)) OR 'antibiotic prophylaxis':de)

4.7 Plastic surgery – breast cancer

COCHRANE LIBRARY (WILEY) FEBRUARY 2009

Breast neoplasms/SU (Me)

Mastectomy (MeAF)

Mastectomies (AF)

Lumpectomy (AF)

Lumpectomies (AF)

Mammectomy (AF)

Mammectomies (AF)

Breast neoplasms (Me)

OR Breast cancer (AF)

OR Breast tumor (AF)

OR Breast tumour (AF)

AND Surgery (AF)

OR Surgical (AF)

OR Operation (AF)

AND

Antibiotic (AF)

OR Antibiotics (AF)

OR Antimicrobial (AF)

AND Prophylax (AF)

OR Prophylaxis (AF)

OR Prophylactic (AF)

OR Preventing (AF)

OR Prevention (AF)

Premedication (NoExp)

AND Anti-bacterial agents (Me)

Antibiotic prophylaxis (Me)

- #1 MeSH descriptor Breast Neoplasms explode all trees with qualifier: su
- #2 MeSH descriptor Mastectomy explode all trees
- #3 MeSH descriptor Breast Neoplasms explode all trees
- #4 (mastectomy) or (mastectomies) or (lumpectomy) or (lumpectomies) or (mammectomy)
- #5 (mammectomies)
- #6 (breast cancer) or (breast tumor) or (breast tumour)
- #7 (surgery) or (surgical) or (operation)
- #8 (antibiotic) or (antibiotics) or (antimicrobial)
- #9 (prophylax) or (prophylaxis) or (prophylactic) or (preventing) or (prevention)
- #10 MeSH descriptor Premedication, this term only
- #11 MeSH descriptor Anti-Bacterial Agents explode all trees with qualifier: AD
- #12 MeSH descriptor Antibiotic Prophylaxis explode all trees
- #13 (#1 OR #2 OR #4 OR #5)
- #14 ((#3 OR #6) AND #7)
- #15 ((#8 AND #9) OR (#10 AND #11) OR #12)
- #16 ((#13 OR #14) AND #15)

Antibiotic/s (TiAb)		
OR Antimicrobial (TiAb)		
AND Prophylax/is (TiAb)		
OR Prophylactic (TiAb)	Surgical wound	
	dehiscence (Me)	Controlled clinical trial
Antibiotic* (TiAb)	Sepsis (NoExp)	(PT)
AND Prophylax* (TiAb)	Bacteremia (Me)	Meta analysis (PT)
OR Prophylac* (TiAb)	Surgical wound	Randomized
	AND infection (Me)	AND controlled trial (PT)
Premedication (NoExp)	Postoperative	Systematic (SB)
AND Anti-bacterial	complications (Me)	
agents/AD (Me)	Wound infection (Me)	Randomized (TiAb)
Anti-infective agents	iatrogenic disease (Me)	AND Controlled (TiAb)
/AD (Me)	Surgical site infection	AND Trial (TiAb)
AND Preoperative care	(TiAb)	
(Me)	Infection* (TiAb)	
	iatrogenic (TiAb)	
Antibiotic prophylaxis (Me)	Bacteremia (TiAb)	

4.8–4.9 Cardiac & general thoracic surgery PubMed (NLM) may 2009

((("cardiac surgical procedures"[MeSH Terms] OR "thoracic surgery"[MeSH Terms] OR "pulmonary surgical procedures"[MeSH Terms] OR "pneumonectomy"[MeSH Terms] OR "lung neoplasms/surgery"[MeSH Terms] OR "pleural neoplasms/surgery"[MeSH Terms] OR "pneumothorax/surgery"[MeSH Terms] OR "lung diseases/surgery"[MeSH Terms] OR "pleural diseases/surgery"[MeSH Terms] OR "respiratory tract infections/surgery"[MeSH Terms] OR "respiratory tract neoplasms/surgery"[MeSH Terms] OR "thoracic diseases/surgery"[MeSH Terms] OR "cardiovascular diseases/surgery"[MeSH Terms] OR "pacemaker, artificial"[MeSH Terms] OR "defibrillators, implantable"[MeSH Terms] OR "catheterization, central venous"[MeSH Terms] OR "port a cath"[Title/Abstract] OR "Angioplasty, Transluminal, Percutaneous Coronary"[MeSH] OR "percutaneous coronary intervention"[Title/Abstract] OR "pci"[Title/Abstract] OR "ptca"[Title/Abstract] OR cardiothoracic surg*[Title/Abstract] OR open heart surg*[Title/Abstract] OR open heart operat*[Title/Abstract] OR cardiac surg*[Title/Abstract] OR cardiac operat*[Title/Abstract] OR cardiac valve replacement[Title/Abstract] OR cardiovascular surg*[Title/Abstract] OR cardiovascular operat*[Title/Abstract] OR pacemaker*[Title/Abstract] OR implantable defibrillator*[Title/Abstract] OR icd*[Title/Abstract] OR implantable cardioverter defibrillator*[Title/Abstract] OR central venous catheter*[Title/Abstract] OR ("catheters, indwelling"[MeSH Terms] AND ("cardiac"[Title/Abstract] OR "thoracic"[Title/Abstract] OR "heart"[Title/Abstract])) OR (("lung cancer"[Title/Abstract] OR lung neoplasm*[Title/Abstract] OR "pneumothorax"[Title/Abstract]) AND ("surgery"[Title/Abstract] OR "surgical"[Title/Abstract] OR "resection"[Title/Abstract]))) NOT ("lung transplantation"[MeSH Major Topic] OR "heart transplantation"[MeSH Major Topic]) AND (((("antibiotic"[Title/Abstract] OR "antibiotics"[Title/Abstract] OR "antimicrobial"[Title/Abstract]) AND ("prophylax"[Title/Abstract] OR "prophylaxis"[Title/Abstract] OR "prophylactic"[Title/Abstract])) OR (antibiotic*[Title/Abstract] AND (prophylax*[Title/Abstract] OR prophylac*[Title/Abstract]))) OR ("Premedication"[MeSH:noexp] AND "Anti-Bacterial Agents/administration and dosage"[MeSH]) OR "antibiotic prophylaxis"[All Fields]) AND ("surgical wound dehiscence"[MeSH Terms] OR "Sepsis"[MeSH:noexp] OR "bacteremia"[MeSH Terms] OR "surgical wound infection"[MeSH Terms] OR "postoperative complications"[MeSH Terms] OR "wound infection"[MeSH Terms] OR "iatrogenic disease"[MeSH Terms] OR "surgical site infection"[Title/Abstract] OR infection*[Title/Abstract] OR "iatrogenic"[Title/Abstract] OR "bacteremia"[Title/Abstract]) AND ("controlled clinical trial"[Publication Type] OR "meta analysis"[Publication Type] OR "randomized controlled trial"[Publication Type] OR systematic[_{sb}] OR randomized[Title/Abstract] AND controlled[Title/Abstract] AND trial[Title/Abstract]))))

4.8–4.9 Cardiac & general thoracic surgery

EMBASE.COM MAY 2009

Heart surgery (TiAb,De)		Defibrillator (TiAb,De)
Thorax surgery (TiAb,De)		AND Implant* (TiAb)
Lung surgery (TiAb,De)		
Lung resection (TiAb,De)		Indwelling catheter (TiAb,De)
Artificial heart pacemaker (TiAb,De)		AND Cardiac (TiAb)
Central venous catheterization (TiAb,De)		OR Thoracic (TiAb)
Transluminal coronary angioplasty (TiAb,De)		OR Heart (TiAb)
Port a cath (TiAb)		
Percutaneous coronary intervention (TiAb)		Lung tumor (TiAb,De)
PCI (TiAb)		OR Pleura tumor (TiAb,De)
PTCA (TiAb)		OR Pneumothorax (TiAb,De)
Cardiothoracic surg* (TiAb)		OR Lung disease (TiAb,De)
Open heart surg* (TiAb)		OR Pleura disease (TiAb,De)
Open heart operat* (TiAb)	OR	OR Respiratory tract
Cardiac surg* (TiAb)		infection (TiAb,De)
Cardiac operat* (TiAb)		OR Respiratory tract tumor
Cardiac valve replacement (TiAb)		(TiAb,De) AND
Cardiovascular surg* (TiAb)		OR Thorax disease (TiAb,De)
Cardiovascular operat* (TiAb)		OR Cardiovascular disease
Pacemaker* (TiAb)		(TiAb,De)
Implantable defibrillator* (TiAb)		OR Lung cancer (TiAb)
ICD* (TiAb)		OR Lung neoplasm* (TiAb)
Implantable cardioverter defibrillator* (TiAb)	AND	Surgery (TiAb,De)
Central venous catheter* (TiAb)		OR Surg* (TiAb)
		OR Operat* (TiAb)
		OR Resection (TiAb)
NOT		
		Lung transplantation (De)
		Heart transplantation (De)
		Heart lung transplantation (De)

Sepsis (TiAb,De)		
Bacteremia (TiAb,De)	Antibiotic/s (TiAb)	
Surgical infection (TiAb,De)	OR Antimicrobial (TiAb)	Controlled clinical trial
Postoperative complication	AND Prophylax/is (TiAb)	(TiAb,De)
(TiAb,De)	OR Prophylactic (TiAb)	Meta-analysis (TiAb,De)
Wound infection (TiAb,De)	AND	AND Systematic review
Iatrogenic disease (TiAb,De)	Premedication (Ti,De)	(TiAb,De)
Surgical site infection (TiAb)	AND Antibiotic agent	
Infection* (TiAb)	(Ti,De)	Randomi*ed (TiAb)
Iatrogenic (TiAb)		AND controlled (TiAb)
Wound dehiscence (TiAb,De)	Antibiotic prophylaxis (De)	AND Trial (TiAb)

4.8–4.9 Cardiac & general thoracic surgery EMBASE.COM may 2009

('heart surgery':ti,ab,de OR 'thorax surgery':ti,ab,de OR 'lung surgery':ti,ab,de OR 'lung resection':ti,ab,de OR 'artificial heart pacemaker':ti,ab,de OR ('defibrillator':ti,ab,de AND implant*:ti,ab) OR 'central venous catheterization':ti,ab,de OR ('indwelling catheter':ti,ab,de AND ('cardiac':ti,ab OR 'thoracic':ti,ab OR 'heart':ti,ab)) OR (('lung tumor':ti,ab,de OR 'pleura tumor':ti,ab,de OR 'pneumothorax':ti,ab,de OR 'lung disease':ti,ab,de OR 'pleura disease':ti,ab,de OR 'respiratory tract infection':ti,ab,de OR 'respiratory tract tumor':ti,ab,de OR 'thorax disease':ti,ab,de OR 'cardiovascular disease':ti,ab,de OR 'lung cancer':ti,ab OR lung neoplasm*:ti,ab) AND ('surgery':ti,ab,de OR surg*:ti,ab OR operat*:ti,ab OR 'resection':ti,ab)) OR 'transluminal coronary angioplasty':ti,ab,de OR 'port a cath':ti,ab OR 'percutaneous coronary intervention':ti,ab OR 'pci':ti,ab OR 'ptca':ti,ab OR cadiothoracic surg*:ti,ab OR open heart surg*:ti,ab OR open heart operat*:ti,ab OR cardiac surg*:ti,ab OR cardiac operat*:ti,ab OR 'cardiac valve replacement':ti,ab OR cardiovascular surg*:ti,ab OR cardiovascular operat*:ti,ab OR pacemaker*:ti,ab OR implantable defibrillator*:ti,ab OR icd*:ti,ab OR implantable cardioverter defibrillator*:ti,ab OR central venous catheter*:ti,ab) NOT ('lung transplantation':de OR 'heart transplantation':de OR 'heart lung transplantation':de) AND ('sepsis':ti,ab,de OR 'bacteremia':ti,ab,de OR 'surgical infection':ti,ab,de OR 'postoperative complication':ti,ab,de OR 'wound infection':ti,ab,de OR 'iatrogenic disease':ti,ab,de OR 'surgical site infection':ti,ab OR infection*:ti,ab OR 'iatrogenic':ti,ab OR 'wound dehiscence':ti,ab,de) AND ('antibiotic prophylaxis':de OR ('premedication':ti,de AND 'antibiotic agent':ti,de) OR (('antibiotic':ti,ab OR 'antibiotics':ti,ab OR 'antimicrobial':ti,ab) AND ('prophylax':ti,ab OR 'prophylaxis':ti,ab OR 'prophylactic':ti,ab))) AND ('controlled clinical trial':ti,ab,de OR 'meta analysis':ti,ab,de OR 'systematic review':ti,ab,de OR (randomi*ed:ti,ab AND 'controlled':ti,ab AND 'trial':ti,ab))

4.8–4.9 Cardiac & general thoracic surgery

COCHRANE LIBRARY (WILEY) MAY 2009

Cardiac surgical procedures (Me)	Open heart operat* (AF)
Thoracic surgery (Me)	Cardiac surg* (AF)
Pulmonary surgical procedures (Me)	Cardiac operat* (AF)
Pneumonectomy (Me)	Cardiac valve replacement (AF)
Pacemaker, artificial (Me)	Cardiovascular surg* (AF)
Defibrillators, implantable (Me)	Cardiovascular operat* (AF)
Catheterization, central venous (Me)	Pacemaker* (AF)
Angioplasty, transluminal, percutaneous coronary (Me)	Implantable defibrillator* (AF)
Lung neoplasms/SU (Me)	ICD* (AF)
Pleural neoplasms/SU (Me)	Implantable cardioverter defibrillator* (AF)
Pneumothorax/SU (Me)	Central venous catheter (AF)
Lung diseases/SU (Me)	OR
Pleural diseases/SU (Me)	Catheters, indwelling (Me)
Respiratory tract infections/SU (Me)	AND Cardiac (AF)
Respiratory tract neoplasms/SU (Me)	OR Thoracic (AF)
Thoracic diseases/SU (Me)	OR Heart (AF)
Cardiovascular diseases/SU (Me)	
Catheters, indwelling (Me)	Lung cancer (AF)
Port a cath (AF)	OR Lung neoplasm* (AF)
Percutaneous coronary intervention (AF)	OR Pneumothorax (AF)
PCI (AF)	AND Surgery (AF)
PTCA (AF)	OR Surgical (AF)
Cardiothoracic surg* (AF)0	OR Resection (AF)
Open heart surg* (AF)	

NOT

Lung transplantation (Me)
Heart transplantation (Me)

Antibiotic/s (AF)
OR Antimicrobial (AF)
AND Prophylax (AF)
OR Prophylaxis (AF)
OR Prophylactic (AF)
OR Preventive (AF)
AND OR Prevention (AF)

Premedication (NoExp)
AND Anti-bacterial agents/AD (Me)

Antibiotic prophylaxis (Me)

Sepsis (NoExp)
Bacteremia (Me)
Surgical wound infection (Me)
Postoperative complications (Me)
Wound infection (Me)
AND iatrogenic disease (Me)
iatrogenic (AF)
Infection/s (AF)
Bacteremia (AF)
Sepsis (AF)
Surgical wound dehiscence (Me)

4.8–4.9 Cardiac & general thoracic surgery Cochrane Library (Wiley) may 2009

- #1 (preventing) or (preventive) or (prevention)
- #2 (prophylax) or (prophylaxis) or (prophylactic)
- #3 (antibiotic) or (antibiotics) or (antimicrobial)
- #4 MeSH descriptor Premedication, this term only
- #5 MeSH descriptor Anti-Bacterial Agents explode all trees with qualifier: AD
- #6 MeSH descriptor Antibiotic Prophylaxis explode all trees
- #7 ((#1 OR #2) AND #3) OR (#4 AND #5) OR #6)
- #8 MeSH descriptor Sepsis, this term only
- #9 MeSH descriptor Bacteremia explode all trees
- #10 MeSH descriptor Surgical Wound Infection explode all trees
- #11 MeSH descriptor Postoperative Complications explode all trees
- #12 MeSH descriptor Wound Infection explode all trees
- #13 MeSH descriptor Iatrogenic Disease explode all trees
- #14 (iatrogenic) or (infection) or (infections) or (bacteremia) or (sepsis)
- #15 (#8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14)
- #16 MeSH descriptor Surgical Wound Dehiscence explode all trees
- #17 (#15 OR #16)
- #18 MeSH descriptor Cardiac Surgical Procedures explode all trees
- #19 MeSH descriptor Thoracic Surgery explode all trees
- #20 MeSH descriptor Pulmonary Surgical Procedures explode all trees
- #21 MeSH descriptor Pneumonectomy explode all trees
- #22 MeSH descriptor Pacemaker, Artificial explode all trees
- #23 MeSH descriptor Defibrillators, Implantable explode all trees
- #24 MeSH descriptor Catheterization, Central Venous explode all trees
- #25 MeSH descriptor Angioplasty, Transluminal, Percutaneous Coronary explode all trees
- #26 MeSH descriptor Lung Neoplasms explode all trees with qualifier: SU
- #27 MeSH descriptor Pleural Neoplasms explode all trees with qualifier: SU
- #28 MeSH descriptor Pneumothorax explode all trees with qualifier: SU
- #29 MeSH descriptor Lung Diseases explode all trees with qualifier: SU
- #30 MeSH descriptor Pleural Diseases explode all trees with qualifier: SU
- #31 MeSH descriptor Respiratory Tract Infections explode all trees with qualifier: SU
- #32 MeSH descriptor Respiratory Tract Neoplasms explode all trees with qualifier: SU
- #33 MeSH descriptor Thoracic Diseases explode all trees with qualifier: SU
- #34 MeSH descriptor Cardiovascular Diseases explode all trees with qualifier: SU
- #35 MeSH descriptor Catheters, Indwelling explode all trees
- #36 (cardiac) or (thoracic) or (heart)
- #37 (#18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR (#35 AND #36))
- #38 (port a cath) or (percutaneous coronary intervention) or (pci) or (ptca) or (cardiothoracic surg*)
- #39 (open heart surg*) or (open heart operat*) or (cardiac surg*) or (cardiac operat*) or (cardiac valve replacement)
- #40 (cardiovascular surg*) or (cardiovascular operat*) or (pacemaker*) or (implantable defibrillator*) or (icd*)

- #41 (implantable cardioverter defibrillator*) or (central venous catheter)
- #42 (lung cancer) or (lung neoplasm*) or (pneumothorax)
- #43 (surgery) or (surgical) or (resection)
- #44 (#38 OR #39 OR #40 OR #41 OR (#42 AND #43))
- #45 MeSH descriptor Lung Transplantation explode all trees
- #46 MeSH descriptor Heart Transplantation explode all trees
- #47 ((#37 OR #44) AND NOT (#45 OR #46))
- #48 (#7 AND #17 AND #47)

4.11 Ear, nose and throat surgery

PUBMED (NLM) APRIL 2009*

Cochlear implantation (Me)	
Cochlear implant* (TiAb)	
Head and neck neoplasms/SU (Me)	
Otorhinolaryngologic neoplasms/SU (Me)	Antibiotic/s (TiAb)
	OR Antimicrobial (TiAb)
Neck (TiAb)	AND Prophylax/is (TiAb)
OR Head (TiAb)	OR Prophylactic (TiAb)
OR Otorhinolaryngol* (TiAb)	AND
AND Cancer (TiAb)	Premedication (NoExp)
OR Neoplasm* (TiAb)	AND Anti-bacterial agents/AD (Me)
AND Surgic* (TiAb)	
OR Surgery (TiAb)	Antibiotic prophylaxis (MeSH Terms)
OR Dissect* (TiAb)	
OR Operat* (TiAb)	

("cochlear implantation"[MeSH Terms] OR cochlear implant*[Title/Abstract] OR "Head and Neck Neoplasms/surgery"[MeSH] OR "otorhinolaryngologic neoplasms/surgery"[MeSH Terms] OR (("neck"[Title/Abstract] OR "head"[Title/Abstract] OR otorhinolaryngol*[Title/Abstract]) AND ("cancer"[Title/Abstract] OR neoplasm*[Title/Abstract]) AND (surgic*[Title/Abstract] OR "surgery"[Title/Abstract] OR dissect*[Title/Abstract] OR operat*[Title/Abstract]))) AND (((("antibiotic"[Title/Abstract] OR "antibiotics"[Title/Abstract] OR "antimicrobial"[Title/Abstract]) AND ("prophylax"[Title/Abstract] OR "prophylaxis"[Title/Abstract] OR "prophylactic"[Title/Abstract])) OR ("Premedication"[MeSH:noexp] AND "Anti-Bacterial Agents/administration and dosage"[MeSH]) OR "antibiotic prophylaxis"[MeSH Terms]) AND ("Sepsis"[MeSH:noexp] OR "bacteremia"[MeSH Terms] OR "surgical wound infection"[MeSH Terms] OR "postoperative complications"[MeSH Terms] OR "wound infection"[MeSH Terms] OR "iatrogenic disease"[MeSH Terms] OR "surgical site infection"[Title/Abstract] OR infection*[Title/Abstract] OR "iatrogenic"[Title/Abstract] OR "bacteremia"[Title/Abstract]) AND ("controlled clinical trial"[Publication Type] OR "meta analysis"[Publication Type] OR "randomized controlled trial"[Publication Type] OR systematic [sb] OR (randomized[Title/Abstract] AND controlled[Title/Abstract] AND trial[Title/Abstract]))

* in addition to this and the following search strategies we reproduced the PubMed-strategy reported in the Cochrane review cd003996. The search was limited to studies with entrez date later than 2002/06/30.

	Sepsis (NoExp)		
	Bacteremia (Me)		Controlled clinical trial (PT)
	Surgical wound infection (Me)		Meta analysis (PT)
	Postoperative complications (Me)		Randomized controlled trial (PT)
	Wound infection (Me)		Systematic (SB)
AND	Iatrogenic disease (Me)	AND	
	Surgical site infection (TiAb)		Randomized (TiAb)
	Infection* (TiAb)		AND Controlled (TiAb)
	Iatrogenic (TiAb)		AND Trial (TiAb)
	Bacteremia (TiAb)		

4.11 Ear, nose and throat surgery

PUBMED (NLM) JUNE 2009

Maxillofacial surgery (TiAb)	
Head and neck surgery (TiAb)	
FESS (TiAb)	Antibiotic/s (TiAb)
Sinus surgery (TiAb)	OR Antimicrobial (TiAb)
Tonsillectomy (TiAb)	AND Prophylax/is (TiAb)
Adenoidectomy (TiAb)	OR Prophylactic (TiAb)
Laryngeal surgery (TiAb)	OR Routine* (TiAb)
Microlaryngoscopy (TiAb)	AND
Salivary glands/SU (Me)	Premedication (NoExp)
Maxillofacial injuries/SU (Me)	AND Anti-bacterial agents/AD (Me)
Head/SU (Me)	
Neck/SU (Me)	Antibiotic prophylaxis (Me)
Paranasal sinuses/SU (Me)	
Otorhinolaryngologic surgical procedures (Me)	

((("maxillofacial surgery"[Title/Abstract] OR "head and neck surgery"[Title/Abstract] OR "fess"[Title/Abstract] OR "sinus surgery"[Title/Abstract] OR "tonsillectomy"[Title/Abstract] OR "adenoidectomy"[Title/Abstract] OR "laryngeal surgery"[Title/Abstract] OR "microlaryngoscopy"[Title/Abstract] OR "Salivary Glands/surgery"[MeSH] OR "Maxillofacial Injuries/surgery"[MeSH] OR "Head/surgery"[MeSH] OR "Neck/surgery"[MeSH] OR "Paranasal Sinuses/surgery"[MeSH] OR "Otorhinolaryngologic Surgical Procedures"[MeSH]) AND (((("antibiotic"[Title/Abstract] OR "antibiotics"[Title/Abstract] OR "antimicrobial"[Title/Abstract]) AND ("prophylax"[Title/Abstract] OR "prophylaxis"[Title/Abstract] OR "prophylactic"[Title/Abstract] OR routine*[title/abstract])) OR ("Premedication"[MeSH:noexp] AND "Anti-Bacterial Agents/administration and dosage"[MeSH]) OR "antibiotic prophylaxis"[MeSH]) OR (antibiotic*[Title/Abstract] AND (prophylax*[Title/Abstract] OR prophylac*[Title/Abstract]))) AND ("controlled clinical trial"[Publication Type] OR "meta analysis"[Publication Type] OR "randomized controlled trial"[Publication Type] OR systematic[sb] OR (randomized[Title/Abstract] AND controlled[Title/Abstract] AND trial[Title/Abstract]))) AND ("Sepsis"[MeSH:noexp] OR "bacteremia"[MeSH Terms] OR "surgical wound infection"[MeSH Terms] OR "postoperative complications"[MeSH Terms] OR "wound infection"[MeSH Terms] OR "iatrogenic disease"[MeSH Terms] OR "surgical site infection"[Title/Abstract] OR infection*[Title/Abstract] OR "iatrogenic"[Title/Abstract] OR "bacteremia"[Title/Abstract] OR "bacterial growth"[title/abstract]))

	Sepsis (NoExp)		
	Bacteremia (Me)		Controlled clinical trial (PT)
	Surgical wound infection (Me)		Meta analysis (PT)
	Postoperative complications (Me)		Randomized controlled trial (PT)
	Wound infection (Me)		Systematic (SB)
AND	Iatrogenic disease (Me)	AND	
	Surgical site infection (TiAb)		Randomized (TiAb)
	Infection* (TiAb)		AND Controlled (TiAb)
	Iatrogenic (TiAb)		AND Trial (TiAb)
	Bacteremia (TiAb)		
	Bacterial growth (TiAb)		

4.11 Ear, nose and throat surgery – basilar skull fracture

PUBMED (NLM) APRIL 2009

Cerebrospinal fluid otorrhea (MJR)	
Cerebrospinal fluid rhinorrhea (MJR)	Antibiotic/s (TiAb)
	OR Antimicrobial (TiAb)
Skull fractures (MJR)	AND Prophylaxis (TiAb)
AND Basilar (TiAb)	OR Prophylactic (TiAb)
OR Skull base (TiAb)	OR Chemoprophylaxis (TiAb)
OR Skullbase (TiAb)	AND
	Premedication (NoExp)
Fracture/s (TiAb)	AND Anti-bacterial agents/AD (Me)
AND Skullbase (TiAb)	
OR Skull base (TiAb)	Antibiotic prophylaxis (Me)
OR Basilar (TiAb) AND Skull (TiAb)	

((("antibiotic"[Title/Abstract] OR "antibiotics"[Title/Abstract] OR "antimicrobial"[Title/Abstract]) AND ("chemoprophylaxis"[Title/Abstract] OR "prophylax"[Title/Abstract] OR "prophylaxis"[Title/Abstract] OR "prophylactic"[Title/Abstract])) OR ("Premedication"[MeSH:noexp] AND "Anti-Bacterial Agents/administration and dosage"[MeSH]) OR "antibiotic prophylaxis"[All Fields]) AND ("Cerebrospinal Fluid Otorrhea"[Majr] OR "Cerebrospinal Fluid Rhinorrhea"[Majr] OR ("Skull Fractures"[Majr] AND ("basilar"[Title/Abstract] OR "skull base"[Title/Abstract] OR "skullbase"[Title/Abstract])) OR ("fracture"[Title/Abstract] OR "fractures"[Title/Abstract]) AND (skullbase[Title/Abstract] OR "skull base"[Title/Abstract] OR ("basilar"[Title/Abstract] AND "skull"[Title/Abstract])))

4.11 Ear, nose and throat surgery

EMBASE.COM APRIL 2009

Cochlea prosthesis (TiAb,De)

Cochlear implant (TiAb)

Cochlear implantation (TiAb)

Maxillofacial surgery (TiAb,De)

Head and neck surgery (TiAb,De)

FESS (TiAb)

Tonsillectomy (TiAb,De)

Adenoidectomy (TiAb,De)

Larynx surgery (TiAb,De)

Micro-laryngoscopy (TiAb,De)

Ear nose throat surgery (TiAb,De)

Head and neck tumor (TiAb,De)

AND Surgery (TiAb,De)

Neck (TiAb,De)

OR Head (TiAb,De)

OR Otorhinolaryngol* (TiAb)

AND Cancer (TiAb,De)

OR Neoplasm/s (TiAb,De)

AND Surg* (TiAb)

OR Dissect* (TiAb)

OR Operat* (TiAb)

Antibiotic/s (TiAb)

OR Antimicrobial (TiAb)

AND Prophylax/is (TiAb)

OR Prophylactic (TiAb)

AND

Premedication (Ti,De)

AND Antibiotic agent (Ti,De)

Antibiotic prophylaxis (De)

Head (TiAb,De)

OR Neck (TiAb,De)

OR Salivary gland (TiAb,De)

OR Maxillofacial injury (TiAb,De)

OR Paranasal sinus (TiAb,De)

AND Surgery (TiAb,De)

OR Surg* (TiAb)

OR Operat* (TiAb)

Sepsis (TiAb,De)
Bacteremia (TiAb,De)
Surgical infection (TiAb,De)
Postoperative complication (TiAb,De)
AND Wound infection (TiAb,De)
iatrogenic disease (TiAb,De)
Surgical site infection (TiAb)
Infection* (TiAb)
iatrogenic (TiAb)

Controlled clinical trial (TiAb,De)
Meta analysis (TiAb,De)
Systematic review (TiAb,De)
AND
Randomi*ed (TiAb)
AND Controlled (TiAb)
AND Trial (TiAb)

4.11 Ear, nose and throat surgery EMBASE.COM april 2009

('cochlea prosthesis':ti,ab,de OR 'cochlear implant':ti,ab OR 'cochlear implantation':ti,ab) OR (((('head and neck tumor':ti,ab,de AND 'surgery':ti,ab,de) OR (('cancer':ti,ab,de OR 'neoplasm':ti,ab,de OR 'neoplasms':ti,ab,de) AND ('neck':ti,ab,de OR 'head':ti,ab,de OR otorhinolaryngol*:ti,ab) AND (surg*:ti,ab OR dissect*:ti,ab OR operat*:ti,ab))) OR ('maxillofacial surgery':ti,ab,de OR 'head and neck surgery':ti,ab,de OR 'fess':ti,ab OR ('paranasal sinus':ti,ab,de AND ('surgery':ti,ab,de OR surg*:ti,ab OR operat*:ti,ab)) OR 'tonsillectomy':ti,ab,de OR 'adenoidectomy':ti,ab,de OR 'larynx surgery':ti,ab,de OR 'microlaryngoscopy':ti,ab,de OR ('salivary gland':ti,ab,de AND ('surgery':ti,ab,de OR surg*:ti,ab OR operat*:ti,ab)) OR ('maxillofacial injury':ti,ab,de AND ('surgery':ti,ab,de OR surg*:ti,ab OR operat*:ti,ab)) OR ('head':ti,ab,de AND ('surgery':ti,ab,de OR surg*:ti,ab OR operat*:ti,ab)) OR ('neck':ti,ab,de AND ('surgery':ti,ab,de OR surg*:ti,ab OR operat*:ti,ab)) OR 'ear nose throat surgery':ti,ab,de) AND ('antibiotic prophylaxis':de OR ('premedication':ti,de AND 'antibiotic agent':ti,de) OR (('antibiotic':ti,ab OR 'antibiotics':ti,ab OR 'antimicrobial':ti,ab) AND ('prophylax':ti,ab OR 'prophylaxis':ti,ab OR 'prophylactic':ti,ab)))) AND ('sepsis':ti,ab,de OR 'bacteremia':ti,ab,de OR 'surgical infection':ti,ab,de OR 'postoperative complication':ti,ab,de OR 'wound infection':ti,ab,de OR 'iatrogenic disease':ti,ab,de OR 'surgical site infection':ti,ab OR infection*:ti,ab OR 'iatrogenic':ti,ab) AND ('controlled clinical trial':ti,ab,de OR 'meta analysis':ti,ab,de OR 'systematic review':ti,ab,de OR (randomi*ed:ti,ab AND 'controlled':ti,ab AND 'trial':ti,ab))

4.11 Ear, nose and throat surgery

COCHRANE LIBRARY (WILEY) APRIL 2009

Cochlear implantation (Me)

Cochlear implant* (TiAb)

Head and neck neoplasms/SU (Me)

Otorhinolaryngologic Neoplasms/SU (Me)

Salivary glands/SU (Me)

Maxillofacial Injuries/SU (Me)

Head/SU (Me)

Neck/SU (Me)

Paranasal Sinuses/SU (Me)

Otorhinolaryngologic Surgical Procedures (Me)

Maxillofacial surgery (TiAb)

Head and neck surgery (TiAb)

FESS (TiAb)

Sinus surgery (TiAb)

Tonsillectomy (TiAb)

AND

Microlaryngoscopy (TiAb)

Adenoidectomy (TiAb)

Laryngeal surgery (TiAb)

Head (TiAb)

OR Neck (TiAb)

OR Otorhinolaryngol* (TiAb)

AND Cancer (TiAb)

OR Neoplasm* (TiAb)

AND Surgic* (TiAb)

OR Surgery (TiAb)

OR Dissect* (TiAb)

OR Operat* (TiAb)

Antibiotic/s (TiAb)
OR Antimicrobial (TiAb)
AND Prophylax/is (TiAb)
OR Prophylactic (TiAb)
OR Preventive (TiAb)
OR Prevention (TiAb)
OR Preventing (TiAb)

Premedication (NoExp)
AND Anti-bacterial agents/AD (Me)

Antibiotic prophylaxis (Me)

AND

Sepsis (NoExp)
Bacteremia (Me)
Surgical wound ifnection (Me)
Postoperative complications (Me)
Wound infection (Me)
Iatrogenic disease (Me)
Iatrogenic (TiAb)
Infection (TiAb)
Infections (TiAb)
Bacteremia (TiAb)
Sepsis (TiAb)

4.11 Ear, nose and throat surgery Cochrane Library (Wiley) april 2009

- #1 MeSH descriptor Cochlear Implantation explode all trees
- #2 (cochlear implant*):ti,ab
- #3 MeSH descriptor Head and Neck Neoplasms explode all trees with qualifier: SU
- #4 MeSH descriptor Otorhinolaryngologic Neoplasms explode all trees with qualifier: SU
- #5 (neck):ti,ab OR (head):ti,ab OR (otorhinolaryngol*):ti,ab
- #6 (cancer):ti,ab OR (neoplasm*):ti,ab
- #7 (surgic*):ti,ab OR (surgery):ti,ab OR (dissect*):ti,ab OR (operat*):ti,ab
- #8 (#5 AND #6 AND #7)
- #9 MeSH descriptor Salivary Glands explode all trees with qualifier: SU
- #10 MeSH descriptor Maxillofacial Injuries explode all trees with qualifier: SU
- #11 MeSH descriptor Head explode all trees with qualifier: SU
- #12 MeSH descriptor Neck explode all trees with qualifier: SU
- #13 MeSH descriptor Paranasal Sinuses explode all trees with qualifier: SU
- #14 MeSH descriptor Otorhinolaryngologic Surgical Procedures explode all trees
- #15 (maxillofacial surgery):ti,ab OR (head and neck surgery):ti,ab OR (fess):ti,ab OR (sinus surgery):ti,ab OR (tonsillectomy):ti,ab OR (microlaryngoscopy):ti,ab OR (adenoidectomy):ti,ab OR (laryngeal surgery):ti,ab
- #16 (#1 OR #2 OR #3 OR #4 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15)
- #17 (prophylax):ti,ab OR (prophylaxis):ti,ab OR (prophylactic):ti,ab OR (preventive):ti,ab OR (prevention):ti,ab OR (preventing):ti,ab
- #18 (antibiotic):ti,ab OR (antibiotics):ti,ab OR (antimicrobial):ti,ab
- #19 MeSH descriptor Premedication, this term only
- #20 MeSH descriptor Anti-Bacterial Agents explode all trees with qualifier: AD
- #21 MeSH descriptor Antibiotic Prophylaxis explode all trees
- #22 ((#17 AND #18) OR (#19 AND #20) OR #21)
- #23 MeSH descriptor Sepsis, this term only
- #24 MeSH descriptor Bacteremia explode all trees
- #25 MeSH descriptor Surgical Wound Infection explode all trees
- #26 MeSH descriptor Postoperative Complications explode all trees
- #27 MeSH descriptor Wound Infection explode all trees
- #28 MeSH descriptor Iatrogenic Disease explode all trees
- #29 (iatrogenic):ti,ab OR (infection):ti,ab OR (infections):ti,ab OR (bacteremia):ti,ab OR (sepsis):ti,ab
- #30 (#23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29)
- #31 (#16 AND #22 AND #30)

4.12 Health economy

PUBMED (NLM) MAY 2009

Economics (Me)	
Costs and cost analysis (Me)	
Cost allocation (Me)	
Cost benefit analysis (Me)	Fiscal (Ti)
Cost control (Me)	Funding (Ti)
Cost savings (Me)	Financial (Ti)
Cost of illness (Me)	Finance (Ti)
Cost sharing (Me)	Economic* (Ti)
Deductibles and coinsurance (Me)	Pharmacoeconomic* (Ti)
Medical savings accounts (Me)	Price (Ti)
Health care costs (Me)	Prices (Ti)
Direct service costs (Me)	OR Pricing (Ti)
Drug costs (Me)	
Employer health costs (Me)	Low (Ti)
Hospital costs (Me)	OR High (Ti)
Health expenditures (Me)	OR Health care (Ti)
Capital expenditures (Me)	OR Estimate* (Ti)
Value of life (Me)	OR Variable (Ti)
Economics, hospital (Me)	OR Unit (Ti)
Economics, medical (Me)	AND Cost* (Ti)
Economics, nursing (Me)	
Economics, pharmaceutical (Me)	
Fees and charges (Me)	
Budgets (Me)	

Health economy searches were performed by replacing the study design filter of the other searches with the following filter:

```
((("economics"[MeSH Terms] OR "costs and cost analysis"[MeSH Terms] OR "cost allocation"[MeSH Terms] OR "cost benefit analysis"[MeSH Terms] OR "cost control"[MeSH Terms] OR "cost savings"[MeSH Terms] OR "cost of illness"[MeSH Terms] OR "cost sharing"[MeSH Terms] OR "deductibles and coinsurance"[MeSH Terms] OR "medical savings accounts"[MeSH Terms] OR "health care costs"[MeSH Terms] OR "direct service costs"[MeSH Terms] OR "drug costs"[MeSH Terms] OR "employer health costs"[MeSH Terms] OR "hospital costs"[MeSH Terms] OR "health expenditures"[MeSH Terms] OR "capital expenditures"[MeSH Terms] OR "value of life"[MeSH Terms] OR "economics, hospital"[MeSH Terms] OR "economics, medical"[MeSH Terms] OR "economics, nursing"[MeSH Terms] OR "economics, pharmaceutical"[MeSH Terms] OR "fees and charges"[MeSH Terms] OR "budgets"[MeSH Terms]) OR (((low[Title] OR high[Title] OR "health care"[Title] OR estimate*[Title] OR variable[Title] OR unit[Title]) AND cost*[Title]) OR fiscal[Title] OR funding[Title] OR financial[Title] OR finance[Title] OR economic*[Title] OR pharmacoeconomic*[Title] OR price[Title] OR prices[Title] OR pricing[Title])))
```

4.12 Health economy

NHSEED MAY 2009

Antibiotic (AF)

OR Antibiotics (AF)

OR Antimicrobial (AF)

AND Prophylax (AF)

OR Prophylaxis (AF)

OR Prophylactic (AF)

Premedication (Me)

AND Anti-bacterial agents/AD (Me)

Antibiotic prophylaxis (Me)

#1 (antibiotic) or (antibiotics) or (antimicrobial)

#2 (prophylax) or (prophylaxis) or (prophylactic)

#3 MeSH descriptor Premedication explode all trees

#4 MeSH descriptor Anti-Bacterial Agents explode all trees with qualifier: AD

#5 MeSH descriptor Antibiotic Prophylaxis explode all trees

#6 ((#1 AND #2) OR (#3 AND #4) OR #5)

4.12 Health economy

HEED MAY 2009

Antibiot* (AF)

AND

Prophyla* (AF)

AND

Surg* (AF)

(antibiot* AND prophyla* AND surg*)

Abbreviations

*	Wildcard indicating a variable number of characters (including none)
/AD	administration and dosage (MeSH Subheading, PubMed)
/SU	surgery (MeSH Subheading, PubMed)
/TH	therapy (MeSH Subheading, PubMed)
/TU	therapeutic use (MeSH Subheading, PubMed)
AF	All fields (Cochrane Library)
De	Descriptor (EMBASE)
Exp	Explode (EMBASE)
KW	Keyword (Cochrane Library)
Me	Medical Subject Headings (MeSH, PubMed)
MJR	MeSH Major Topic (PubMed) OR Emtree Major Focus (EMBASE)
NoExp	MeSH No Explode (PubMed)
PT	Publication type (PubMed)
SB	Subset (PubMed)
SN	Substance Name (PubMed)
Ti	Title
TiAb	Title/Abstract

Bilaga 2. Granskningsmallar

Granskningsmallarna är baserade på såväl internationella erfarenheter som synpunkter och erfarenheter från projektledare, expertgrupper och externa rådgivare. Två personer i SBU:s vetenskapliga råd har varit speciellt behjälpliga i arbetet med att ta fram mallarna. Olof Nyrén vid Karolinska Institutet har utvecklat en grundläggande version för granskningsmallar. Den har använts i flera SBU-projekt. Mats Eliasson har utarbetat en version som används i Socialstyrelsens arbete med Nationella Riktlinjer.

Varje studietyp har sina metodproblem. Därför finns det olika granskningsmallar för olika studietyper.

Hur man bedömer den samlade evidensstyrkan enligt GRADE finns beskrivet i Kapitel 2.

I granskningsmallarna anges poäng för svaren till frågorna. Ju högre poäng desto högre kvalitet. Poängen är specifik för respektive granskningsmall/studietyp. Poängsystemet kan fungera som en vägledning för att göra en samlad bedömning av kvaliteten i varje enskild studie. Projektgrupperna får själva ta ställning till om man vill använda poängsystemet eller inte.

Randomised clinical trial

External validity

Short form answer:

- Clear external validity (0)
- Probable external validity (1)
- Uncertain external validity (3)
- External validity cannot be assessed (5)

***If uncertain, answer questions under Item 1.
Otherwise go to Internal validity (after Item 1)***

1. Accrual of study subjects

- a. Eligibility / inclusion criteria clearly stated (e.g., if trial of treatment of a specified disease, is the definition acceptable)?
 - Yes = 0
 - No = 2
- b. Consecutive eligible subjects?
 - Yes = 0
 - No = 1
 - Not stated = 1
- c. Numbers and reasons for non-participation given?
 - Yes = 0
 - No = 2
- d. Exclusion criteria clearly stated and acceptable?
 - Yes = 0
 - No = 2
- e. Are numbers of excluded persons given by reason (as prescribed in the CONSORT statement)?
 - Yes = 0
 - No = 2

Total sum of section 1:

0 = Clear external validity

1 = Probable external validity

2-3 = Uncertain external validity

≥4 = External validity cannot be assessed

Internal validity

Short form answer:

- Excellent internal validity (0)
- Good internal validity (1)
- Acceptable internal validity (2)
- Uncertain internal validity (4)
- Uninformative due to flawed internal validity (10)

***If uncertain, answer questions under Items 2-9.
Otherwise go to Precision (after Item 9)***

2. Treatment / exposure assignment
 - a. Were details about randomization procedure given?
 - Yes = 0
 - No = 1
 - b. Could the randomization be manipulated?
 - Yes (e.g., tossing of coin or throwing of dice) = 1
 - No (e.g., opaque envelopes, computer-generated list kept by others than investigators) = 0
 - c. Did randomization lead to unpredictable treatment assignment?
 - Yes = 0
 - No, treatment could potentially be deduced in some or all = 2
 - d. Were there exclusions / withdrawals after randomization?
 - Yes = 2
 - No = 0
3. Comparability of groups
 - a. Was there an account of the comparability of groups with regard to all conceivable factors that might affect the outcome?
 - Yes = 0
 - No = 1
 - b. Were there any important differences?
 - Yes = 2
 - No = 0
 - No data given = 0 (already scored under 3a)

- c. Were any attempts in the analysis phase to adjust for imbalances between treatment arms with regard to important determinants for the outcome (e.g., through multivariate modelling)?
- Not needed (no important imbalances) = 0
 - Yes = -1 (subtract 1 if you scored 2 under 3b)
 - No, despite a need = 1

4. Blinding

- a. Were there any attempts to blind the patients / investigators to treatment allocation?
- No (open study) = 2
 - Only study subjects were blinded (single-blind) = 1
 - Blinding only of investigators who evaluated the outcome ("blind observer") = 0
 - Double-blind = 0
 - Triple-blind (breaking of the code first after completion of all analyses) = 0
- b. Was there any reason to believe that the blinding had failed (e.g., due to characteristic side-effects of active treatment or dissimilarities of active and reference tablets)?
- Yes = 1
 - No = 0
- c. Was the blinding tested (e.g., through asking the subjects at the end of the study what they believed they had received)
- Yes = 0
 - No = 0

5. Compliance

- a. Was there any account of the completeness of treatment / compliance?
- Yes = 0
 - No = 2
- b. Was the completeness acceptable (>80% of the subjects receiving >80% of the prescribed treatment)?
- Yes = 0
 - No = 3
 - Completeness / compliance data not given = 0 (scored under 5a)

6. Drop-outs / losses to follow-up

- a. Was there an account of the numbers of subjects who dropped out (and the reasons for dropping out)?
- Yes = 0
 - No = 3

- b. What was the drop-out rate?
- <10% = 0
 - 10-19% = 2
 - 20-29% = 3
 - ≥30% ⇒ **study is deemed uninformative, excluded**
 - Drop-out rate not stated = 0 (scored under 6a)
7. Evaluation of outcome
- a. Was there an acceptable definition of the outcome?
- Yes = 0
 - No = 3
- b. Was the outcome clinically relevant?
- Yes = 0
 - Of questionable relevance = 2
 - Irrelevant ⇒ **study is deemed uninformative, excluded**
- c. Was the reporter of the outcome (e.g., the investigator, the study subject) unaware of the treatment given?
- Yes = 0
 - No = 2
- d. Are there reasons to believe that there might have been misclassification of the outcome (e.g., due to retrospective reporting over too long periods)?
- Yes = 1
 - No = 0
8. Evaluation of side-effects
- a. Was there acceptable reporting of side effects?
- Yes, with open-ended questions = 0
 - Yes, with fixed response alternatives = 0
 - Yes, response alternatives not stated = 0
 - No = 3
9. Analysis
- a. Was the main outcome variable defined in advance and was the conclusion of the study based on the analysis of this variable?
- Yes = 0
 - No (or not mentioned in the report) = 2

- b. Was there a prior hypothesis?
- Yes = 0
 - No (or not mentioned in the report) = 1
- c. Were the secondary variables defined in advance?
- Yes = 0
 - No (or not mentioned in the report) = 1
 - Not applicable, there was no secondary outcome variable = 0
- d. Were all randomised subjects included in the analysis and retained in the treatment arm to which they were initially allocated (“intention-to-treat analysis”)?
- Yes = 0
 - No = 4

Total sum of Items 2-9 (internal validity):

0-1 = Excellent internal validity

2-4 = Good internal validity

5-7 = Acceptable internal validity

8-10 = Uncertain internal validity

≥ 10 = Uninformative due to flawed internal validity

Precision

Short form answer:

- Premeditated and sufficient study size (0)
- Sample size of uncertain adequacy (2)
- Probably underpowered study (4)

If uncertain, answer questions under Items 10-11

10. Smallest clinically relevant effect
- a. Was the smallest clinically relevant effect defined?
- Yes = 0
 - No = 1
- b. Was the stated smallest clinically relevant effect reasonable?
- Yes = 0
 - No = 1
 - Not defined = 0 (scored under 10a)

3. Study power

- a. Were the deliberations behind the sample size decision clearly described?
- Yes = 0
 - No = 2
- b. What was the power to detect a reasonably-sized smallest clinically relevant effect?
- Not stated because there was a strong and statistically significant effect = 0
 - $\geq 90\%$ = 0
 - 80-89% = 1
 - 70-79% = 2
 - $< 70\%$ = 3
 - Not stated despite a non-significant finding = 4

Total sum of Items 10-11 (precision)

0 = Premeditated and sufficient study size

1-3 = Sample size of uncertain adequacy

≥ 4 = Probably underpowered study

Systematic reviews

Topic/external validity

Is it an overview of the topic that you are interested in?

- Yes, completely = 0
- Yes, partly = 1
- Only to a small extent = 3
- No = 6

Is the research question clearly stated?

- Yes = 0
- Uncertain = 2
- No = 4

Internal validity

1. Literature search

Is the search strategy clearly stated?

- a. Types of publications?
- Yes = 0
 - No = 1

- b. Years?
 Yes = 0
 No = 1
- c. Languages?
 Yes = 0
 No = 1
- d. Procedures?
 Yes = 0
 No = 1

Was the reproducibility of search efforts tested and reported?

- Yes = 0
 No = 1

In your opinion, did the authors succeed in capturing all of the targeted literature?

- Yes, definitely = 0
 Yes, probably = 2
 Probably not = 4
 Definitely not = 5

2. Evaluation of captured literature

Was there a defined scheme for validity assessment of captured literature?

- Yes, shown or published previously = 0
 Probably, but not shown = 1
 Probably not = 3
 Definitely not = 4

Were the criteria for accepting/rejecting papers clearly defined?

- Yes = 0
 Probably = 1
 Probably not = 3
 Definitely not = 4

Were rejected papers listed with reasons for rejection?

- Yes = 0
 No = 2

Was there any attempt to document the reproducibility of the validity assessment (e.g. inter- and/or intra-observer variation)?

- Yes, with acceptable reproducibility = 0
 Yes, with poor reproducibility = 2
 No = 2

3. Summary of findings

Were there any attempts to pool data or to perform a formal meta-analysis?

- Yes = 0
- No = 3

Was the choice of statistical method appropriate?

- Yes, definitely = 0
- Yes, probably = 0
- Uncertain = 1
- Probably not = 2
- Definitely not = 2
- Not applicable (no formal statistical testing) = 0

Was lack of consistency between studies evaluated (e.g., tests of heterogeneity) and explained?

- Yes, satisfactorily = 0
- Yes, but poorly explained = 2
- No = 3

Were there any attempts to estimate possible publication bias (e.g., through funnel plots)?

- Yes = 0
- No = 2

Total sum of internal validity:

0-1 = Excellent validity

2-3 = Good validity

4-5 = Acceptable validity

6-8 = Uncertain validity

≥ 9 = Uninformative due to flawed validity

Checklista för bedömning av hälsoekonomiska studiers relevans och kvalitet

Instruktion

Fråga 1 besvaras av projektets medicinska experter.

Frågorna 2–4 besvaras av projektets ekonomiska experter.

Svarsalternativ för frågorna 2–4: Ja Nej ? (när oklart) # (ej relevant)

Författare

Titel

Tidskrift/År/Volym/Sidor

1. Bedömning av studiens kvalitet vad gäller medicinska data

(projektets medicinska experter avgör, ange med ett kryss i tillämplig ruta)

Hög kvalitet	Medelhög kvalitet	Låg kvalitet	Otillräcklig kvalitet

2–4. Bedömning av studiens kvalitet vad gäller ekonomiska aspekter

Frågorna 2–4 besvaras av projektets ekonomiska experter, fråga 4 avser bedömning av studiens kvalitet.

Svarsalternativ för frågorna 2 – 4: Ja, Nej, ? (när oklart), # (ej tillämbart), markera med ett kryss.

2. Frågor om studiens relevans ("PICO") för projektets frågeställningar med krav på Ja-svar för inklusion	Ja	Nej	?	#
– Är studerad patientpopulation relevant?				
– Är interventionen relevant?				
– Är jämförelseinterventionen relevant?				
– Är utfallsmåttet relevant (t ex QALY, LYS)?				

3. Frågor om ekonomi med krav på Ja-svar för inklusion	Ja	Nej	?	#
Anges studiens perspektiv eller framgår detta indirekt?				
Studeras både kostnader och effekter (el. anges lika effekt)?				
Är effekterna värderade på rätt (adekvat) sätt?				
Är sjukvårdsorganisationen relevant för svenska förhållanden?				
Är relativpriserna relevanta för svensk sjukvård?				
Är jävsförhållandena utan problem för studien?				

4. Frågor för bedömning av studiens kvalitet vad avser den ekonomiska analysen	Ja	Nej	?	#
<i>Presentation av studiens resultat</i>				
Är frågeställningarnas ekonomiska betydelse redovisad?				
Är vald form av ekonomisk analys motiverad med avseende på frågeställningarna?				
Anges sättet för datainsamling?				
Är slutsatserna välgrundade och tydligt uttryckta?				
Bestämdes om skattningar från subgruppsanalys vid studiestart?				
Har jämförelser gjorts med andra studier?				
Visas generaliserbarhet?				
Diskuteras fördelningsfrågor?				
Visas negativa resultatutfall?				
Finns adekvat konsekvensanalys?				
Förs resonemang om alternativkostnader?				
<i>Känslighetsanalys</i>				
Har lämpliga statistiska metoder använts?				
Är spridningen på utfallsmått acceptabel?				
Är utfallet robust för undersökta variabelvärden?				
Ingår patientföljsamhet i analysen?				
<i>Inkrementell analys</i>				
Har inkrementell analys gjord av både kostnader och effekter?				
<i>Diskontering (vid studier längre än 1 år)</i>				
• av kostnader?				
• av effekter?				
<i>Modellstudie</i>				
Är modellen relevant för aktuell frågeställning?				
Är modellen transparent?				
Är vald tidshorisont rimlig jämfört med empiriska data?				
Markov: Är tidscyklerna tydligt beskrivna?				
Markov: Är tidscyklerna motiverade?				
Summera svaren för relevanta frågor under fråga 4				

Vägledning för bedömningen av studiens kvalitet

Förutsättning: Ja-svar på frågorna i avsnitt 1–3,
samt andelen Ja-svar på de *relevanta* frågorna i avsnitt 4:

Över 80%	hög kvalitet
>60 <80%	medelhög kvalitet.
>40 <60%	låg kvalitet.
Under 40%	otillräcklig kvalitet

Ev kommentarer till studien:

Kriterier, förtydliganden av några punkter på checklistan (under punkt 4):

Är resultaten generaliserbara?

Ja = Resultaten är rimligt överförbara med avseende på "setting" dvs den miljö där studien genomförts (jfr generaliserbarhet för en studie utförd vid universitetsklinik och studiens generaliserbarhet för patienter i primärvården)

Diskuteras fördelningsfrågor?

Ja = Diskussion med avseende på nationella prioriteringar; diskussion med avseende på ålder, kön, geografisk hemvist, socioekonomiska aspekter osv

Visas negativa resultatutfall?

Ja = Negativa resultatutfall återfinns i text eller i figur, eller anges att negativa resultat ej förekommer (t ex inga biverkningar av läkemedel)

Finns adekvat konsekvensanalys?

Ja = Konsekvensanalys av studiens resultat helst från samhällsperspektiv, men åtminstone från sjukvårdsperspektiv

Förs resonemang om alternativkostnader?

Ja = Förekommer åtminstone i diskussionsavsnittet

Är spridningen för utfallsmått acceptabelt?

Ja = Smala konfidensintervall; låg variationskoefficient (standardavvikelse jämfört med medelvärde)

Bilaga 3 Praxisundersökning – enkätsvar om infektionsregistrering

Svarsblankett 2

Svar från kliniker:

Kirurgi

Obstetrisk och gynekologisk kirurgi

Ortopedisk kirurgi

Plastikkirurgi

Thoraxkirurgi

Urologi

Öron-, näsa-, halskirurgi

Käkkirurgi och parodontologi

Ögonkirurgi

Handkirurgi

Transplantationskirurgi

Svarsblankett 2 – SBU:s Praxisenkät/Antibiotikaproylax

2008-09-23

Bästa kollega!

Du har tidigare besvarat en enkät som SBU skickade ut 2007-12-13 angående antibiotikaproylax vid kirurgi. I SBU-projektet ingår att i möjligaste mån kartlägga nuvarande praxis. På fråga 3 svarade du att det görs systematisk postoperativ infektionsregistrering efter utskrivning på patienter som behandlats på kliniken/mottagningen. Det skulle vara till stor hjälp för vårt arbete om du ville besvara ett par följdfrågor:

1. För vilka patienter registreras postoperativa infektioner efter utskrivning (alla som opererats, alla som fått antibiotikaproylax, patienter med särskilda diagnoser eller operationer etc.)?
2. Var samlas data från registreringen (på kliniken, i nationella register etc.)?

Efter att ha besvarat frågorna direkt på detta papper, skicka det per post till Elisabeth Källgren SBU, Box 5650, 114 86 Stockholm, eller per fax 08-411 32 60. Alternativt kan frågorna besvaras i ett e-postmeddelande till kallgren@sbu.se.

Eventuella frågor ställs till Susanna Axelsson, telefon 08-412 32 13, e-post axelsson@sbu.se.

Tack för din medverkan!

Vänliga hälsningar

Bengt Jeppsson
Professor
Ordförande i projektgruppen

Susanna Axelsson
Projektledare
SBU

Sammanställning av svar från svarsblankett 2 – SBU:s Praxisenkät/Antibiotikaproylax

Fråga 1. För vilka patienter registreras postoperativa infektioner efter utskrivning (alla som opererats, alla som fått antibiotikaproylax, patienter med särskilda diagnoser eller operationer etc.)

Fråga 2. Var samlas data från registreringen (på kliniken, i nationella register etc.)?

Kirurgisk klinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Alingsås lasarett	Alla som opererats	På kliniken
Arvika sjukhus	Alla som opererats	På kliniken
Bollnäs sjukhus	Alla som opererats blir uppringda	På kliniken och i register för höft, knä, bräck etc
Eskilstuna Mälarsjukhuset	Alla som opererats	I komplikationsregistreringsfält i sedvanliga journalsystemet. Också i nationella kvalitetsregister, t ex Swedvasc
Göteborg Carlanderska	Postoperativa infektioner bedöms vid återbesök efter 4 veckor	På kliniken
Göteborg Sahlgrenska Universitetssjukhuset/Östra	Alla som opererats	På kliniken
Halmstad Länssjukhuset	Alla som opererats inom slutenvård samt bräck vid poliklinisk operation	På hygienavdelningen vid länssjukhuset
Karlstad Centralsjukhuset	Alla som opererats	Länsgemensamt kvalitetsregister och alla nationella kvalitetsregister för kirurgiska kliniker
Kristianstad Centralsjukhuset	Alla som opererats	Registrering via enkät till vissa operationstyper vid återbesök och samkörning med kliniskt bakteriologiskt laboratorium
Kungälv sjukhus	Alla med "rena ingrepp" ej skopier och anala ingrepp	På kliniken
Lidköping Sjukhuset i Lidköping	Alla patienter	Via ICD-10 kodning
Lindesbergs lasarett	Registerförda patienter (ljumskräck, galla, obesitas)	Nationella register
Linköping Universitetssjukhuset	Alla som opererats	Eget datoriserat register
Luleå Sunderby sjukhus	Alla som opererats	På kliniken
Lycksele lasarett	Alla som opererats	På kliniken

Tabellen fortsätter på nästa sida

Tabell kirurgisk klinik fortsättning

Kirurgisk klinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Sundsvall-Härnösand Länssjukhuset	Register för alla som opererats i hela länet	Centralt för länet
Torsby sjukhus	Alla som opererats	Gemensamt register för länet
Uddevalla sjukhus	Alla som opererats	På kliniken
Varbeks sjukhus	Alla som opererats	Samlas in kontinuerligt på sjukhuset. Redovisas 2 ggr/år
Växjö Centrallasarettet	Alla som opererats	På kliniskt bakteriologiskt laboratorium
Umeå Norrlands universitetssjukhus	Alla som opererats	Sjukhusuppföljning av alla operationer. Årlig återrapportering till kliniken
Uppsala Elisabethsjukhuset	Alla som opererats	På kliniken
Östersunds sjukhus	De som ingår i nationella register som täcker merparten av kirurgiska operationer, dock inte t ex blindtarmsinflammation	Nationella register

Swedvasc = Svenskt kvalitetsregister för kärlkirurgi

Kvinnoklinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Borås lasarett	Alla opererade	Gynop-registret
Eksjö Höglandssjukhuset	Alla opererade, ej aborter, ej steriliseringar	Gynop-registret
Falu lasarett	Alla operationer	Gynop-registret
Göteborg Sahlgrenska Universitetssjukhuset	Hysterektomier	Gynop-registret

Tabellen fortsätter på nästa sida

Tabell kvinnoklinik fortsättning

Kvinnoklinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Halmstad Länssjukhuset	Alla opererade	Hygienavdelning och mikro- biologen
Hudiksvalls sjukhus	Alla som ingår i gynop- registret	Gynop-registret
Jönköping Länssjukhuset Ryhov	Alla opererade	Gynop-registret
Kalmar Länssjukhuset	De flesta opererade	Uppföljning med enkäter 2 och 12 månader post-op. Jämförelse görs med övriga kliniker i syd- östra Sverige
Kristianstad Centralsjukhuset	Alla laparotomier, vaginala plastiker, inkontinensopera- tioner	På centralsjukhuset
Linköping Universitetssjukhuset	Alla gynekologiska opera- tioner och obstetriska för- lösta patienter	Gynop-registret och via diag- nossökning i administrativa systemet
Malmö IVF-kliniken Öresund	Alla opererade	På kliniken
Mora lasarett	Alla som ingår i gynop- registret. Hysterektomier, adnexoperationer, prolaps- operationer, inkontinensope- rationer och maligniteter	Gynop-registret
Norrköping Vrinnervisjukhuset	Alla som registreras i gynop-registret, dvs hyste- rektomier, prolaps, inkonti- nensoperationer, laparos- kopier	I gynop-registret baserat på enkäter
Nyköpings lasarett	Hysterektomier och adnex- kirurgi	Gynop-registret
Skellefteå lasarett	Alla gynekologiskt opere- rade. (Ej små ingrepp)	Gynop-registret
Skövde Kärnsjukhuset	Alla gynekologiska opera- tioner	Gynop-registret
Sollefteå sjukhus	Alla som opererats	På kliniken

Tabellen fortsätter på nästa sida

Tabell kvinnoklinik fortsättning

Kvinnoklinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Stockholm Södersjukhuset	Elektiva benigna hysterektomier, laparoskopier, hysteroskopier	Gynekologiskt kvalitetsregister i SLL. Data jämförs med gynop-registret
Trollhättan Norra Älvsborgs länsjukhus	Hysterektomier, framfallsoperationer, inkontinensoperationer, laparotomier	Uppföljning med enkäter 2 och 12 månader post-op. Gynop-registret.
Umeå Norrlands universitetssjukhus	Alla gynekologiskt opererade	Via hygienavdelningen på sjukhuset, gynekologiska operationer via gynop-registret
Varbergs sjukhus	Alla sectio, hysterektomier, prolaps-, inkontinens-, hysteroskopisk operation, laparoskopisk operation	Egen landstingsuppföljning för obstetrik. Gynop-registret för gynekologi
Visby lasarett	Alla som opererats för adnexkirugi, endometriablation, hysterektomi, inkontinens och tumörer	Gynop-registret
Västerviks sjukhus	Alla "större"operationer	Gynop-registret
Västerås Centrallasarettet	Alla patienter med infektioner	Patientadministrativa systemet
Örebro Universitetssjukhuset	Abdominella gynekologiska operationer samt inkontinens- och prolapsoperationer	Gynop-registret
Östersunds sjukhus	Hysterektomier, framfallsoperationer, inkontinensoperationer, operationer på äggstockarna	Gynop-registret

Gynop-registret = Nationella kvalitetsregistret inom gynekologisk kirurgi
SLL = Stockholms läns landsting

Ortopedisk klinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Falu lasarett	"Rikshöfter", alla återbesök på ortopediska kliniken, vårdade på infektionskliniken	I nationella register och lokalt på kliniken
Jönköping Länssjukhuset Ryhov	Alla som opererats	Egen databas kopplad till operationsdatabas
Karlstad Centralsjukhuset	Alla som opererats	På kliniken
Kristianstad Centralsjukhuset	Alla som opererats och alla inneliggande patienter, med eller utan operation	På kliniken
Linköping Universitetssjukhuset	Alla som opererats inom slutenvård. Uppföljning vid utskrivning och efter 6 veckor	Intern databas för operationer
Lund Universitetssjukhuset	Opererade med höft-eller knäprotes	Dels på kliniken, dels i nationella register
Mora lasarett	Alla knäproteser	På kliniken
Motala lasarettet	Alla som opererats följs upp 6 veckor post-op. Brevenkät alternativt telefonkontakt	På kliniken
Mölndal Sahlgrenska Universitetssjukhuset/Mölndal	Alla som opererats	Eget register för hela verksamhetsområdet
Oskarshamns sjukhus	Alla som opererats i slutenvård eller öppenvård oavsett ingrepp	I eget komplikationsregister. Artroplastikpatienter följs i eget dispensär-uppföljningssystem och i nationella register
Stockholm Capio S:t Görans sjukhus	Alla som fått axel-, knä-, höftprotes har återbesök efter 2,5–3 veckor då sårkontroll utförs	Eget system på kliniken. Årlig redovisning
Stockholm Danderyds sjukhus AB	Knä- och höftplastikoperationer	Både på kliniken och i nationella register
Stockholm Södersjukhuset	Alla som opererats	I sjukhusets operationsplaneringsprogram, Orbit

Tabellen fortsätter på nästa sida

Tabell ortopedisk klinik fortsättning

Ortopedisk klinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Strängnäs Ryggkirurgiska kliniken	Alla som opererats	På kliniken
Trelleborgs lasarettet	Alla knä- höftplastikoperationer	Eget uppföljningssystem
Uddevalla sjukhus	Alla som opererats	I klinikens eget komplikationsregister
Uppsala Akademiska sjukhuset	Fotoperationer och plastikoperationer	I nationella register, klinikegna register och i patientjournal
Västerviks sjukhus	Höft- och knäplastiker, höftfrakturer	På kliniken
Västerås Central- lasarettet	Alla infektioner på opererade patienter oavsett diagnos	På kliniken
Växjö Centrallasarettet	I princip alla patienter	På mikrobiologiska klinikens dator
Plastikkirurgisk klinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Malmö Universitetssjukhuset MAS	Samtliga patienter	Registreras i epikrismallen i Melior
Solna Karolinska Universitetssjukhuset	Alla opererade	På kliniken

Thoraxkirurgisk klinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Göteborg Sahlgrenska universitetssjukhuset	Alla post-op infektioner som hjärtrehabiliteringen sätter in antibiotikabehandling på	Registreras internt
Karlskrona Blekingesjukhuset	Operationer på hjärta/lungor, pacemaker	Patienter har formulär som skickas till hygienköterska om senare infektion. Allvarlig infektion registreras i nationella hjärtkirurgiregistret
Linköping Universitetssjukhuset	Alla opererade	I klinikens kvalitetsregister
Lund Universitetssjukhuset	Alla opererade	Lokalt register
Umeå Norrlands universitetssjukhus	Alla opererade med sårinfektion	Patienten får ett formulär som skickas till hygienköterska för registrering om infektion upptäcks vid uppföljning. Pacemaker och ICD-infektioner registreras manuellt av hjärtcentrum

Urologklinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
		Klinik Kommentarer
Halmstad Länssjukhuset	Alla opererade	På kliniskt bakteriologiskt laboratorium/hygienkliniken
Malmö Universitetssjukhuset MAS	Prostatabiopsi, total prostatektomi, perkutan stenextraktion	På klinikens databas samt i nationella (prostatektomi) och internationella (perkutan stenextraktion)
Helsingborgs lasarett AB	Alla vårdrelaterade infektioner	Obligatorisk uppgift i epikrisen, registreras i patientjournalen (Melior)

Tabellen fortsätter på nästa sida

Tabell urologklirik fortsättning

Urologklirik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer	
		Klinik	Kommentarer
Västerås Centrallasarettet	Alla TURP, TUIP på patienter med LUTS, prostataoperationer	Databas på kliniken. Uppföljning med enkät efter 6 mån	

LUTS = Nedre urinvägssymtom

TUIP = Transuretral incision av prostata

TURP = Transuretral resektion av prostata

Öron-, näsa-, halsklirik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Göteborg Sahlgrenska Universitetssjukhuset	Alla utskrivna pat. Enkät skickad till pat efter 30 dagar med fråga om vårdrelaterade infektioner	I patientjournalen
Huddinge Karolinska universitetssjukhuset	Cochleaimplantatoperationer	På kliniken
Jönköping Länssjukhuset Ryhov	Alla opererade på mottagning och klinik	Återfinns i journal och årsrapport
Karlskrona Blekingesjukhuset	Alla opererade	Registrering av hygien-sköterska och läkare
Linköping Universitetssjukhuset	Alla opererade	På kliniken

Käkkirurgisk/parodontologisk klinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Göteborg Brånemarkkliniken	Alla patienter som får orala implantat	På kliniken
Göteborg Dental Implant Center	Alla opererade	Avvikelsepärm, journal
Huddinge Karolinska Institutet	Samtliga patienter med postoperativ infektion	På kliniken under viss tidspe- riod
Kristianstad Centralsjukhuset	Alla patienter som får återbesök	Journalanteckning
Luleå Sunderby sjukhus	Alla opererade	Landstingsgemensam digital infektionsregistrering
Lund Folktandvården, Specia- listkliniken för parodon- tologi och endodonti	Alla patienter	På kliniken före utskrivning
Nyköping Käkkirurg Nils Freiberg	Särskilda operationer	På kliniken
Saltsjöbaden Tandläkare Peter Hising	Återbesök pga infektion	Avvikelsepärm, journal
Stockholm Sophiahemmet	Alla patienter som fått anti- biotikaprofylax, dvs som fått implantat	Journalanteckning
Visby Käkkirurgiska kliniken	Alla som opererats	På kliniken
Vänersborg Odont dr. Lars Salonen	Alla som fått antibiotika- profylax	På kliniken
Västerås Folktandvården specialistcentrum, Centrallasarettet	Alla patienter vid 3-månadersuppföljning	Journal, epidemiologiskt program

Ögonklinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Borås lasarett	Kataraktoperationer och lucentisinjektationer	Nationella kataraktregistret
Eskilstuna Mälarsjukhuset	Alla starropererade som utvecklar endoftalmit	Nationella kataraktregistret
Falu lasarett	Alla som opererats	Registreras vid återbesök. (antibiotikaproxylaxen avser skydda för djupare intraokulära infektioner)
Gällivare sjukhus	Kataraktoperationer, endoftalmit registreras	Nationellt register
Göteborg Globen ögonklinik AB	Alla som opereras	På kliniken
Kalmar Länssjukhuset	Alla som opererats	Infektioner efter kataraktkirurgi registreras på kliniken och i nationella kataraktregistret, övriga på kliniken
Luleå Sunderby sjukhus	Kataraktoperationer, intraokulära operationer	Nationellt register
Lund Universitetssjukhuset	Eventuell vårdrelaterad infektion anges för alla patienter i epikrisen	Endoftalmitregistret
Malmö Universitetssjukhuset MAS	Alla som söker vård post-op och vid kontroll 7–10 dagar efter ingreppet	Nationella kataraktregistret
Mölnadal Sahlgrenska Universitetssjukhuset	Ingen systematisk post-op registrering	Endoftalmiter registreras i endoftalmitregistret
Norrköping Vrinnevisjukhuset	Kataraktkirurgi	Nationella kataraktregistret
Nyköpings lasarett	Kataraktoperationer	Nationella kataraktregistret
Piteå Älvdals sjukhus	Intraokulära operationer och endoftalmit	Nationella register
Stockholm Capio Medocular	Alla som fått infektion	Nationella kataraktregistret

Tabellen fortsätter på nästa sida

Tabell ögonklinik fortsättning

Ögonklinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Stockholm St Eriks ögonsjukhus	Alla som opererats intraokulärt	Nationellt register
Sundsvall-Härnösand Länssjukhuset	Endorftamit vid intraokulära operationer	Endorftamitregistret. Eye Net Sweden
Västerviks sjukhus	Alla kataraktoperationer	Nationella kataraktregistret, endoftalmitregistret och lokalt på kliniken
Örebro Universitetssjukhuset	Kataraktopererade patien- ter	Nationella kataraktregistret
Östersunds sjukhus	Kataraktoperationer, intravitriala injektioner vid makuladegeneration	Nationella makularegistret
Örnsköldsviks sjukhus	Alla intraokulära ingrepp och post-op endoftalmit	Endorftamitregistret (Del av rikskataraktregistret)
<hr/>		
Handkirurgisk klinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Malmö Universitetssjukhuset MAS	Postoperativa infektioner	På kliniken

Transplantationskirurgisk klinik	Fråga 1 (Vilka patienter?)	Fråga 2 (Var registreras data?) Ev kommentarer
Huddinge Centrum för allogen stamcellstransplantation Karolinska Universitetssjukhuset	Alla pat som får CVK (central venkateter) följs upp vid inskrivning för stamcellstransplantation, 1–2 veckor efter inlägg av CVK	I patientjournalen (datajournal TakeCare)
Huddinge Transplantationskirurgiska kliniken Karolinska Universitetssjukhuset	Levertransplantationer	Internt kvalitetsregister Ekvator

Bilaga 4

Praxisundersökning – enkätsvar om antibiotikaproylax

Svarsblankett : SBU:s Praxisenkät/Antibiotikaproylax

Tabell 1	Gastrointestinal kirurgi, övre och nedre gastrointestinalkanal
Tabell 2	Kärlkirurgi
Tabell 3	Obstetrisk och gynekologisk kirurgi
Tabell 4	Ortopedisk kirurgi
Tabell 5	Plastikkirurgi
Tabell 6	Thoraxkirurgi
Tabell 7	Urologi
Tabell 8	Öron-, näsa-, halskirurgi
Tabell 9a	Käkkirurgi
Tabell 9b	Annan dental kirurgi

Svarsblankett : SBU:s Praxisenkät/Antibiotikaproylax

Klinikens (mottagningens) namn:

Adress:

Enkäten besvarad av (namn och funktion):

1. Används antibiotikaproylax på kliniken/mottagningen?

Ja (Om ja, fortsätt med fråga 2)

Nej

2. Finns på kliniken/mottagningen skriftliga anvisningar angående rutiner för antibiotikaanvändning i profylaktiskt syfte?

Ja (Om ja, vänligen bifoga anvisningarna i svarskuvertet)

Nej

3. Görs någon systematisk postoperativ infektionsregistrering efter utskrivning?

Ja

Nej

Vi ber er att fylla i och senast 2008-01-11 returnera enkätformuläret i bifogat svarskuvert.

Enkäten går också att besvara elektroniskt via länken

<http://www.sbu.se/sv/SBUs-PraxisenkätAntibiotikaproylax/>

Eventuella pm med riktlinjer går också bra att skicka med epost till kallgren@sbu.se eller faxa på faxnr 08-411 32 60. Kom ihåg att ange vilken klinik de gäller.

Tack för hjälpen!

Tabell 1 Kirurgiska klinikers rutiner för antibiotikaproylax. Antal kliniker av 48 svarande.

Operation	Eusaprim, Flagyl	Zinacef, Flagyl	Eusaprim	Zinacef	Annat
Övre gastro	19	12	4	3	Ej angivet: 5 Cefuroxim, Tazocin: 1 Doxyferm, Flagyl: 2 Eusaprim, Flagyl Zinacef, Flagyl: 1
Nedre gastro	30	11			Ej angivet: 2 Doxyferm, Flagyl: 2 Doxyferm, Flagyl eller Zinacef, Flagyl: 2 Appendixektomi: Claforan + Metronidazol: 1
Akut bukkirurgi		3			Ej angivet: 45
Gallvägskirurgi	13	1	11	4	Ej angivet: 7 Flagyl: 1 Ivacin: 1 Tazocin: 5 Eusaprim alternativt Doktacillin: 1 Doxyferm: 2
Bräckoperation			Ärrbräck: 1	1 Med nät: 3	Ej angivet: 32 Angivet ej profylax: 2 Cefuroxim eller Ekvacillin: 1 Med nät Cefuroxim: 1 Bukvägg/ärrbräck med nät: Ekvacillin: 4 Ärrbräck: Ekvacillin: 1

Tabell 2 Kärlikirurgiska klinikers rutiner för antibiotikaproylax. Antal kliniker av 15 svarande.

Antibiotikaproylax	Antal kliniker
Ekvacillin 2 x 3	2
Aortagraft Zinacef 1,5 g x 3	1
Aortastent Ekvacillin engångsdos	1
Kärlrekonstruktion Cefuroxim 1,5 g x 3 Venport kloxacillin 2 g x 1	1
Öppen kärlikirurgi Ekvacillin 2 g x 3	1
Ekvacillin 2 g x 1 Bypass, embolektomi Zinacef 1,5 g x 3 x 1	1
Perifer kärlrekonstruktion, subkutan injektionsport, Ekvacillin 2 g x 1, Central kärlrekonstruktion Cefotaxim 1 g x 3	1
Perifer kärlrekonstruktion Ekvacillin 2 g x 3 x 1, Central kärlrekonstruktion Ekvacillin 2 g x 3 x 1-2	1
Zinacef 1,5 g, med syntetgraft x 3	1
Kloxacillin 2x 1 alternativt klindamycin 600 mg x 1	1
Zinacef 1,5 g x 3 x 1	2
Kloxacillin engångsdos	1
Zinacef 1,5 g x 1	1

x = Antal doser och dagar

Tabell 3 Gynekologi och obstetriklinikers rutiner för antibiotikaproylax (förstahandsval). Antal kliniker av 36 svarande.

Antibiotika- proylax	Hysterektomi	Inoperering av främmande material + inkontinens- operation enligt TVT-metoden (Tension-free Vaginal Tape)	Tumörkirurgi	Elektivt sectio	Akut sectio	Prolaps- operation
1 dos Cefuroxim + Metronidazol	5	1	3	3 Ökad risk: 1	3	0
1 dos Cefuroxim	1	0	0	1 Ökad risk: 3	11	
1 dos TS po	3	6 2 doser: 1	1			
1 dos Doxycyklin + Metronidazol po	5					
1 dos Piperacillin/ Tazobactam	1	0	1	Ökad risk: 2	3	0
1 dos TS + Metronidazol po	7	5 Punktion salpingit: 1	0	Ökad risk: 1	0	0
1 dos Metronidazol po	5 Suppositorier: 1 Iv, vid ökad risk:1	1				
1 dos Ciprofloxacin po	0	0	2	0	0	0
2 doser Cefuroxim + 1 dos Metronidazol	0	0	0	0	1	0
1 dos Metronidazol + ceftibuten po	0	1	0	0	0	0
1 dos ampicillin	33	0	0	Ökad risk: 2	5	1

Antibiotika- profylax	Hysterektomi	Inoperering av främmande material + inkontinens- operation enligt TVT-metoden (Tension-free Vaginal Tape)	Tumörkirurgi	Elektivt sectio	Akut sectio	Prolaps- operation
1 dos Doktacillin efter avnavling	0	0	0	Ökad risk: 1	0	0
1 dos Cefuroxim + tinidazol	0	0	0	0	1	0
1 dos Cefotaxim	0	0	0	0	1	0
Ej profylax enligt anvisningar	0	0	0	19	0	0

Po = Profylax specificerat per os, annars iv = intravenöst

TS = Trimetoprim/sulfametoxazol

Tabell 4 Ortopediska klinikers rutiner för antibiotikaprofylax (förstahandsval). Antal kliniker av 31 svarande.

Antibiotikaprofylax	Ledprotes	Rygg, opererad med främmande material	Öppen fraktur	Amputation	Höftfraktur
Kloxacillin x 3 x 1	22 Ev x 3 + rifampicillin po x 1: 1 Om operationstiden överstiger 1–3 tim, upprepad dos: 3	9 Ev x 3 + rifampicillin po x 1: 1 Om operationstiden överstiger 3 tim, upprepad dos: 1 Endast om operationstiden överstiger 2 tim: 2	1	5 Om operationstiden överstiger 1–3 tim, upprepad dos: 2	12 Om operationstiden överstiger 3 tim, upprepad dos: 3
Kloxacillin x 4 x 1	7 Om operationstiden överstiger 3 tim, upprepad dos: 3	2 + rifampicillin po x 1: 1	0	1	4
Kloxacillin x 1	1 Om operationstiden överstiger 3 tim, upprepad dos: 1	3 Om operationstiden överstiger 3 tim, upprepad dos: 3	0	1	3 Om operationstiden överstiger 3 tim, upprepad dos: 1
Cefuroxim x 1	0	0	Dos varierar: 1 Sedan cefalexin x 3 x 1–3: 1	2 Om operationstiden överstiger 3 tim, upprepad dos: 1	1 Om operationstiden överstiger 3 tim, upprepad dos: 1
Cefuroxim x 3 x 1	1	0	3 Sedan Cefuroxim eller flukloxacillin beroende på odling: 1	9	4
Cefuroxim x 3 x 3	0	1	3 Fortsatt profylax efter odlingssvar: 2 Cefuroxim x 2 x 3 + ev metronidazol x 1 Cefuroxim x 3 x 3 + Cefadroxil x 2	0	0
Cefuroxim x 4 x 3-5	0	0	1	0	0
Klindamycin x 3	0	0	0	3	0
Cefotaxim x 2–3 x 1	0	0	0	2	0
Cefuroxim 1,5 g x1 + flukloxacillin 750 mg x 3 x 1 sedan Cefuroxim eller flukloxacillin beroende på odling och klinik	0	0	1	0	0
Kloxacillin x 1, för Gr 3A x 3, för 3 BC individuell behandling	0	0	1	0	0

Antibiotikaprofylax	Ledprotes	Rygg, opererad med främmande material	Öppen fraktur	Amputation	Höftfraktur
Cefuroxim x 3 x 3 + Cefadroxil x 2	0	0	1	0	0
Kloxacillin Gr 2: iv 1 dos sen po till såret läkt. Gr 3 iv 1 vecka sen po 3 veckor	0	0	1	0	0
Pc + kloxacillin x 3 x 3, Typ 3 + Gentamicin/kollagenim-plantat	0	0	1	0	0
Rifampicin + kloxacillin x 4	0	1	0	0	0
Gr 1-2 kloxacillin Gr 3 Cefuroxim +Gentamicin. Gr 1 x 3, Gr 2 x 3 x 2-3. Gr 3 längre	0	0	1	0	0
Gentamicincement	4 kliniker anger att de använder gentamicincement				

po = profylax specificerat per os, annars iv = intravenöst
x = Antal doser och dagar

Tabell 5. Plastikkirurgiska rutiner för antibiotikaprofylax. Antal kliniker av 4 svarande.

Antibiotika profylax	Hud-tumörer	Delhud	Lambå vid sår a. Fri lambå b. Trycksår c. Övriga lambåer	a. Bröst- protes inklusive expander- protes b. Drän c. Bröst- reduktion d. Latissimu s e. DIEP	Större mjukdels- kirurgi	Uretra- kirurgi	Fettsugning a. Armlymf- ödem b. Benlymf- ödem Övriga c. Ovan navel d. Nedan navel	Kranial kirurgi a. Ej risk liqvorläckage b. Risk liqvorläckage c. Slutna ansikts- frakturer d. Öppna ansikts- frakturer e. Oral kirurgi	LKG a. Läpp b. Gom c. Bentrans- plantat	Öron- rekonstruk- tion a. Revben och övrigt b. Delhud glute c. Otoplastik	Näsplastik då ben eller brosk involveras
Zinacef			a. 1,5 g x 3 x 1: 1 b. 1,5 g x 3 x 1: 2 Vid stomi 1,5 g x 3 x 1 + Flagyl x 1 g x 1 x 1: 1 c. 1,5 g x 3 x 1: 1	a. b. c. d. e. 1,5 g x 3 x 1:1		1,5 g x 3 x 1: 2	a. b. 1 + Heracillin 1 g x 3 7 d po c.0 d. 1,5 g x 3 x 1: 1	a. b. 1,5 g x 3 x 1: 1 3 g pre-op: 1 c. 0 d. 0 e. 1,5 g x 3 x 1:1	a. 1,5 g x 3 x 1: 2 b. 1,5 g x 3 x 1: 2 c. 1,5 g x 3 x 1: 2	a. 1,5 g x 3 x 1 + Heracillin 1 g x 3: 1 b 1,5 g x 3 x 1: 1 c.	1,5 g x 3 x 1: 1
Ekvacillin	Ingen	Ingen	a. 2 g x 3 x 1: 2 b. 2 g x 3 x 1: 2 c. 2 g x 3 x 1: 1	a. 2 g x 3 x 1: 2 b. c. d. 2 g x 3 x 1: 1 e. 2 g var 3:e tim per-op: 1	1		a. 2 g x 3 x 1: 2 b. 2 g x 3 x 1: 1 c. 2 g x 3 x 1: 2 d. 2 g x 3 x 1: 1	a. 2 g x 3 x 1: 1 2 g preop: 1 b. c. d.	a. 0 b. 0 c. 30 mg/kg pre-op: 1 d.	a. 2 g x 3 x + Heracillin 1 g x 3: 1 b. 0 c. 0	2 g pre-op vid implantat: 1

Antibiotika profylax	Hud-tumörer	Delhud	Lambå vid sår a. Fri lambå b. Trycksår c. Övriga lambåer	a. Bröst- protes inklusive expander- protes b. Drän c. Bröst- reduktion d. Latissimu s e. DIEP	Större mjukdels- kirurgi	Uretra- kirurgi	Fettsugning a. Armlymf- ödem b. Benlymf- ödem Övriga c. Ovan navel d. Nedan navel	Kranial kirurgi a. Ej risk liqvorläckage b. Risk liqvorläckage c. Slutna ansikts- frakturer d. Öppna ansikts- frakturer e. Oral kirurgi	LKG a. Läpp b. Gom c. Bentrans- plantat	Öron- rekonstruk- tion a. Revben och övrigt b. Delhud glute c. Otoplastik	Näsplastik då ben eller brosk involveras
Heracillin	Ingen	Normalt ingen		a. b. 1 g x 3: 1 d. e.							
Bensylpenicillin								a. b. c. Pre-op dos Bensyl- pencillin + Ekvacillin*: 1 d. Bensyl- pencillin 3 g x 3 + Ekvacillin 2 g x 3 i ett dygn: 1 e. Pre-op dos bensyl- pencillin + Ekvacillin*:1			
TS + Zinacef						5g x 1 + Flagyl 1,5 g x 1 pre-op: 1					
Bactrim						1					

Antibiotika profylax	Hud-tumörer	Delhud	Lambå vid sår a. Fri lambå b. Trycksår c. Övriga lambåer	a. Bröst-protés inklusive expander-protés b. Drän c. Bröst-reduktion d. Latissimus e. DIEP	Större mjukdels-kirurgi	Uretra-kirurgi	Fettsugning a. Armlymf-ödem b. Benlymf-ödem Övriga c. Ovan navel d. Nedan navel	Kranial kirurgi a. Ej risk liqvorläckage b. Risk liqvorläckage c. Slutna ansikts-frakturer d. Öppna ansikts-frakturer e. Oral kirurgi	LKG a. Läpp b. Gom c. Bentrans-plantat	Öron-rekonstruk-tion a. Revben och övrigt b. Delhud glute c. Otoplastik	Näsplastik då ben eller brosk involveras
Normalt ingen	4	4	a. 1 b. c. 2	a. b. 1 c. d. e.			a. b. c. 1 d. 1	a. b. c. 1 d. e.		a. b. c. 2	

Kommentarer

Vid en klinik ges vid penicillinallergi

Typ 1 (urticaria, anafylaxi):

Inj Ekvacillin byts till Inf Dalacin 600 mg x 3
Inj Zinacef byts till Eusaprim 10 ml x 2 eller T Eusaprim 2 x 2
Inj Ekvacillin byts till Inj Zinacef

Ej typ 1 (utslag):

Vid en klinik ges vid penicillinallergi

Allvarlig (urticaria, anafylaxi):

Inj Ekvacillin byts till Inf Dalacin 600 mg x 3, barn <12 år 10 mg/kg x 3 iv
Inj Zinacef byts till Eusaprim 10 ml x 2 eller T Eusaprim 2 x 2,
barn >12 år 10 ml x 2 iv
barn 6–12 år 5 ml x 2 iv
barn 6 mån–5 år 2,5 ml x 2 iv
barn 6 v–5 mån 1,25 ml x 2 iv
Inj Ekvacillin byts till Inj Zinacef

Lindrig:

DIEP = Deep Inferior Epigastric Perforator Flap (bröstrekonstruktion med egen vävnad)

LKG = Läpp-, käk-, gomdefekter

po = profylax specificerat per os, annars iv = intravenöst

TS = Trimetoprim/sulfametoxazol

x = Antal doser och dagar

*upprepad dos om operationen pågår mer än 3–4 timmar

Tabell 6 Thoraxkirurgiska rutiner för antibiotikaproylax. Antal kliniker av 11 svarande.

Antibiotika profylax	Hjärtoperation	Lungoperation	Pacemaker nyinläggning och dosbyte	Re-operation vid blödning	Implantation LVAD	Hjärtrtransplantation	Hjärt- och lungtransplantation	Penicillin-allergi
Ekvacillin 2 g x 3-4	5							
Ekvacillin 2 g x 1		1	6	+ Tavanic 500 mg x 1 po: 1				
Kloxacillin 2g x 4	Sternotomi, hjärtkirurgi, ICD-ingrepp och elektrodextraktion med eller utan laser: 1					1		
Zinacef 1,5 g x 1	1	1 Zinacef 1,5 g x 3: 1			1			1
Bensylpenicillin 3 g		x 1: 1 x 3: 1						
Vancomycin 1 g x 4					1			
Cefotaxim		1 g x 3: 1		2 g x 2 i 2 dygn: 1			2 g x 3: 1	
Klindamycin								2
Dalacin 600 mg x 3								4
Gentamicin-innehållande plattor*	1							

* Till patienter med BMI >25, diabetes, immunosuppression. Övervägs också vid bilateral mammaria interna, op-tid >5 tim, obstruktiv lungsjukdom, yngre, förmodad infektionsbenägenhet

po = profylax specificerat per os, annars iv = intravenöst

x = Antal doser och dagar

Tabell 7 Urologiska klinikers rutiner för antibiotikaproylax. Antal kliniker av 26 svarande.

Antibiotikaproylax	Ingrepp (antal kliniker)
Zinacef	Prostatektomi (1) Cystektomi (2) Njurbäckenplastik (1) Perkutan stenextraktion (1)
Eusaprim forte	Radikal prostatektomi (3) Uretäroskopi (1) TURP (1) TURB (1) TUMT (1) Laser-TURP (1) Prostatabiopsi (1) Ej specificerade ingrepp (1)
Bactrim	Uretrotomi (1) TURP (2) Uretäroskopi (1) TRUL med biopsi (1) Radikal prostatektomi (3) Perkutan stenextraktion (1) Cystektomi (+ Flagyl)(1) Prostatabiopsi (1) Transuretrala ingrepp (utom uretrotomi) (1) Ej specificerade ingrepp (3)
Ciprofloxacin	TRUL med biopsi, mellannålsbiopsi (2) Urinvägar (KAD, stenextraktion + Trimetoprim) (1) Uretrotomi (1) Transrektala biopsier (1) Stenextraktion, mellannålsbiopsi (1) Prostatabiopsi (1) Ej specificerade ingrepp (2)
Ciproxin	TRUL (+ Flagyl) (1) Perkutan njurkirurgi (1) Prostatabiopsi (2) TUMT (1) Stenextraktion (1)
Lexinor	Uretroskopi (1) ESWL (1) Cystoskopi (1) Ej specificerade ingrepp (1)
Claforan	Radikal prostatektomi (1)
Cefuroxim	Cystektomi (+ Metronidazol) (1)
Trimetoprim + sulfametoxazol	Radikal prostatektomi (1)

ESWL = Stötvågsbehandling av njursten
KAD = Kvarsittande kateter i urinblåsan
TUMT = Värmebehandling med mikrovågor
TRUL = Transrektalt ultraljud
TURB = Transuretral resektion av urinblåsetumör
TURP = Transuretral resektion av prostatan

x = Antal doser och dagar

Tabell 8 ÖHN-klinikers rutiner för antibiotikaprofylax. Antal kliniker av 4 svarande.

Antibiotikaprofylax	Tumörkirurgi med resektion genom hud och slemhinna	Laryngektomi	Maxillektomi/tumör-ingrepp inom näsa/bihåla	Ingrepp omfattande resektion av skelett	Extern rhinoplastik	Tonsillektomi	Övrigt
Cefuroxim 1,5 g x 3 x 1 x 3-6	1	1	1	1			PEG 2 (endast 1 dag) Halsdissektion efter strålbehandling 1 Kronisk otit med cholesteatom/anerande operation 2 (efter 1 dygn Spektramox 500 mg x 3 x 7, eller efter odlingssvar)
Cefuroxim 1,5 g x 3 x 1 Metronidazol 500 mg x 3 x 1	1	1 (Cefuroxim och Metronidazol i 3 dagar)	1	1			
Cefotaxim 1 g x 3 x 3 Metronidazol po 1,5 g x 1 x 1 + 2	1	1	1 (därefter Spektramox po 500 mg x 3 po + Metronidazol 400 mg x 3 så länge patient har packning)				Cochlea-implantat 1 (endast Cefotaxim och endast 1 dag)

Antibiotikap rofylax	Tumör kirurgi med resektion genom hud och slemhinna	Laryngektomi	Maxillektomi/ tumör- ingrepp inom näsa/bihåla	Ingrepp omfattande resektion av skelett	Extern rhinoplastik	Tonsillektomi	Övrigt
Bensyl- pencillin 3 g x 3 x I + fenoximetyl- penicillin po 1,6-2 g x 3 x 7					1		

PEG = Perkutan endoskopisk gastrostomi
po = specificerat po, annars iv = intravenöst
x = Antal doser och dagar

Tabell 9a Käkkirurgiska specialistklinikers rutiner för antibiotikaprofylax. Antal kliniker av 31 svarande.

Antibiotikaprofylax	Anvisningar för endokardit profylax	Anvisningar för annan profylax, korttidsprofylax	Anvisningar för annan profylax, långtidsprofylax
Enligt Nationella riktlinjer	14		
Enligt Gamla nationella riktlinjer	2		
PcV/G, alt. klindamycin		11	7
Amoxicillin, PcG, klindamycin		2	2
PcV/G, Amoxicillin, kloxacin, klindamycin		1	0
Amoxicillin alt. klindamycin			1
Cefuroxim, PcV/G, kloxacillin			1
Ej angivet	15	17	16

PcG = Bensylpenicillin

PcV = Fenoximetylpenicillin

Tabell 9b Andra dentala specialistklinikers rutiner för antibiotikaprofylax. Antal kliniker av 37 svarande.

Antibiotikaprofylax	Anvisningar för endokardit profylax	Anvisningar för annan profylax, korttidsprofylax	Anvisningar för annan profylax, långtidsprofylax
Enligt Nationella riktlinjer	19		
Enligt Gamla nationella riktlinjer	1		
PcV/G, alt. klindamycin		5	6
Amoxicillin alt. Klindamycin		1	3
Klindamycin		1	0
Ej angivet	15	32	29

PcG = Bensylpenicillin

PcV = Fenoximetylpenicillin