

Table 1. Search Terms, Question HK-9

Database	Search Terms
Pubmed	((("arthroplasty"[MeSH] OR joint arthroplasty OR joint replacement OR Hip arthroplasty OR Knee arthroplasty OR Shoulder arthroplasty OR Hip replacement OR Knee replacement OR Shoulder replacement) AND (Invasive procedure OR Colonoscopy OR Cystoscopy OR dental procedures OR endoscopy OR "Minimally Invasive Surgical Procedures"[Mesh] OR "Oral Surgical Procedures"[Mesh] OR "Dental Care"[Mesh])) AND ("anti-infective agents"[Pharmacological Action] OR "anti-infective agents"[MeSH Terms] OR "Antibiotic Prophylaxis"[Mesh] OR ("Anti-Infective Agents"[Mesh] AND "prevention and control"[Subheading]) OR Antimicrobial prophylaxis OR Antibiotic Prophylaxis)) AND (((1990:3000/12/12[pdat]) AND (english[LA])) OR (randomized controlled trial [pt] OR controlled clinical trial [pt] OR randomized [tiab] OR placebo [tiab] OR drug therapy [sh] OR randomly [tiab] OR trial [tiab] OR groups [tiab])) NOT (animals [mh] NOT humans [mh]))
Embase	((('arthroplasty'/exp OR 'joint arthroplasty' OR 'joint replacement' OR 'hip arthroplasty' OR 'knee arthroplasty' OR 'shoulder arthroplasty' OR 'hip replacement' OR 'knee replacement' OR 'shoulder replacement') AND ('invasive procedure' OR 'colonoscopy' OR 'cystoscopy' OR 'dental procedures' OR 'endoscopy' OR 'minimally invasive surgery'/exp OR 'oral surgery'/exp OR 'dental procedure'/exp)) AND ('anti-infective agents' OR 'antiinfective agent'/exp OR 'antibiotic prophylaxis'/exp OR ('antiinfective agent'/exp AND 'prevention and control') OR 'antimicrobial prophylaxis' OR 'antibiotic prophylaxis')) AND ((([1990 to 3000-12-12]/pd) AND ('english':la)) OR ('randomized controlled trial':it OR 'controlled clinical trial':it OR 'randomized':ti,ab,kw OR 'placebo':ti,ab,kw OR 'drug therapy' OR 'randomly':ti,ab,kw OR 'trial':ti,ab,kw OR 'groups':ti,ab,kw)) NOT ('animal'/exp NOT 'human'/exp))