

Appendix 1 Search strategy

Step	Query	Description
#1	Search (surgery[MeSH Terms]) OR surgical procedures, operative[MeSH Terms]	MeSH search for "SURGICAL OPERATIONS"
#2	Search ((((((((((Surgical[Title/Abstract]) OR Operation[Title/Abstract]) OR operative[Title/Abstract]) OR operative therapy[Title/Abstract]) OR operative procedure[Title/Abstract]) OR invasive procedure[Title/Abstract]) OR peroperative procedure[Title/Abstract]) OR perioperative procedure[Title/Abstract]) OR preoperative procedure[Title/Abstract]) OR intraoperative procedure[Title/Abstract]) OR surgery[Title/Abstract]) OR procedure[Title/Abstract]) OR Surgical Procedure[Title/Abstract]	Keyword search for "SURGICAL OPERATIONS"
#3	Search (equipment and supplies[MeSH Terms])	MeSH search for "THERAPEUTIC DEVICES"
#4	Search ((((((equipment[Title/Abstract]) OR supplies[Title/Abstract]) OR apparatus[Title/Abstract]) OR instrument[Title/Abstract]) OR inventor*[Title/Abstract]) OR Medical Device[Title/Abstract]) OR Device[Title/Abstract]	Keyword search for "THERAPEUTIC DEVICES"
#5	Search drug therapy[MeSH Terms]	MeSH search for "DRUGS"
#6	Search (((Drug Therap*[Title/Abstract]) OR Drug treatment[Title/Abstract]) OR Chemotherap*[Title/Abstract]) OR Pharmacotherap*[Title/Abstract]) OR pharmacologic[Title/Abstract]	Keyword search for "DRUGS"
#7	Search #1 OR #2	
#8	Search #3 OR #4	
#9	Search (#5) OR #6	
#10	Search #7 NOT #9	
#11	Search #8 NOT #9	
#12	"case control studies"[Mesh] OR "Cohort Studies"[Mesh] OR "Longitudinal Studies"[Mesh] OR "retrospective studies"[Mesh] OR "Follow-Up Studies"[Mesh] OR "prospective studies" [Mesh] OR Cohort[tiab] OR case control[tiab] OR longitudinal[tiab] OR follow up[tiab] OR prospective*[tiab] OR retrospective*[tiab] OR nonrandom*[tiab] OR comparison group*[tiab] OR control group*[tiab] OR "Registries"[Mesh] OR registry[tiab] OR registries[tiab]	search for "NON-RANDOMIZED STUDY"
#13	Search (((("Case Reports" [Publication Type]) OR "Single-Case Studies as Topic"[Mesh])) OR ("case	search for "CASE STUDY"

	report"[Title/Abstract] OR "case reports"[Title/Abstract])) OR "case series"[Title/Abstract] OR "case study") OR "case studies"[Title/Abstract]	
#14	(systematic review [ti] OR meta-analysis [pt] OR meta-analysis [ti] OR systematic literature review [ti] OR systematic review [tw] OR (systematic review [tiab] AND review [pt]) OR meta synthesis [ti] OR integrative review [tw] OR integrative research review [tw] OR rapid review [tw] OR consensus development conference [pt] OR practice guideline [pt] OR cochrane database syst rev [ta] OR acp journal club [ta] OR health technol assess [ta] OR evid rep technol assess summ [ta] OR drug class reviews [ti]) OR (clinical guideline [tw] AND management [tw]) OR meta analy*[ti] OR metaanaly*[ti] OR meta analysis[pt]	Keyword search for "SYSTEMATIC REVIEW"
#15	"Meta-Analysis as Topic"[Mesh] OR "Review Literature as topic"[Mesh]	MeSH search for "SYSTEMATIC REVIEW"
#16	Search (((((((Clinical Conference [Publication Type] OR Comment [Publication Type] OR Congress [Publication Type] OR Editorial [Publication Type] OR Letter [Publication Type] OR Clinical Trial Protocol [Publication Type] OR Clinical Trial, Veterinary[Publication Type])) OR ((Conference[Title/Abstract] OR conferences[Title/Abstract])) OR ((Comment[Title/Abstract] OR comments[Title/Abstract])) OR Congress[Title/Abstract] OR Consensus[Title/Abstract] OR ((Editorial[Title/Abstract] OR editorials[Title/Abstract] OR Letter[Title/Abstract] OR Protocol[Title/Abstract] OR protocols[Title/Abstract])) OR Clinical Trial, Veterinary[Publication Type]	Search "EDITORIAL"
#17	Search #12 OR #13	
#18	Search #14 OR #15 OR #16	
#19	Search #10 AND #17 NOT #18	Surgical operation
#20	Search #11 AND #17 NOT #18	Therapeutic devices
#21	Search English[Language]	
#22	Search animals [Mesh]	
#23	Search humans [Mesh]	
#24	Search #22 NOT #23	
#25	Search ("2018/1/1"[Date - Publication] : "2018/12/31"[Date - Publication])	
#26	Search #19 AND #21 NOT #24	
#27	Search #25 AND #26	Surgical operation
#28	Search #20 AND #21 NOT #24	
#29	Search #28 AND #26	Therapeutic devices

