

SUPPLEMENTARY APPENDIX 4: Search Strategies

Pubmed, Embase

Perioperative Management - PubMed Search Strategy – March 6, 2016

Syntax Guide for PubMed	
[MH] = Medical Subject Heading, also known as MeSH	[TW] = Includes all words and numbers in the title, abstract, other abstract, MeSH terms, MeSH Subheadings, Publication Types, Substance Names, Personal Name as Subject, Corporate Author, Secondary Source, Comment/Correction Notes, and Other Terms - typically non-MeSH subject terms (keywords)...assigned by an organization other than NLM
[SH] = a Medical Subject Heading subheading, e.g. drug therapy	[TIAB] = Includes words in the title and abstracts
[MH:NOEXP] = a command to retrieve the results of the Medical Subject Heading specified, but not narrower Medical Subject Heading terms	
Boolean Operators	
OR = retrieves results that include at least one of the search terms	AND = retrieves results that include all the search terms
NOT = excludes the retrieval of terms from the search	

Perioperative Management PubMed Search Strategy – March 6, 2016

Search	Query
#1	<pre> ((((ARTHROPLASTY, REPLACEMENT, HIP[MH] OR HIP PROSTHES*[TW] OR HIP REPLACEMENT*[TIAB] OR HIP ARTHROPLAST*[TIAB] OR HIP TOTAL REPLACEMENT*[TIAB] OR FEMORAL HEAD PROSTHES*[TIAB]) OR (ARTHROPLASTY, REPLACEMENT, KNEE[MH] OR KNEE PROSTHES*[TW] OR KNEE REPLACEMENT*[TW] OR KNEE ARTHROPLAST*[TW] OR KNEE TOTAL REPLACEMENT*[TIAB]) OR (ARTHROPLAST*[TW] AND (HIP[TIAB] OR HIPS[TIAB] OR KNEE*[TIAB])) AND (("1980/01/01"[PDAT] : "2016/03/06"[PDAT]) AND ENGLISH[LANG])) NOT ((((("ADOLESCENT"[MESH]) OR "CHILD"[MESH]) OR "INFANT"[MESH]) NOT </pre>

Search	Query
	(((("ADOLESCENT"[MESH] OR "CHILD"[MESH] OR "INFANT"[MESH] AND ("ADULT"[MESH]))) NOT (((("COMMENT"[PUBLICATION TYPE]) OR "EDITORIAL"[PUBLICATION TYPE]) OR "LETTER"[PUBLICATION TYPE])) NOT (("ANIMALS"[MESH] NOT (("ANIMALS"[MESH] AND ("HUMANS"[MESH])))
#2	(("LUPUS ERYTHEMATOSUS, SYSTEMIC"[MESH] OR LUPUS ERYTHEMATOSUS DISSEMINATUS[TIAB] OR LIBMAN-SACKS DISEASE[TIAB] OR LIBMAN SACKS DISEASE[TIAB] OR (SLE[TIAB]) OR (LUPUS[TIAB])) OR ((INFLAMMATORY ARTHRITIS*[TIAB]) OR ("ARTHRITIS, RHEUMATOID"[MESH:NOEXP] OR RHEUMATOID ARTHRITIS*[TIAB]) OR ("RHEUMATOID NODULE"[MESH] OR RHEUMATOID NODULE*[TIAB]) OR ("STILL'S DISEASE, ADULT-ONSET"[MESH]) OR ((STILL DISEASE[TIAB] OR STILL'S DISEASE[TIAB]) AND (ADULT ONSET[TIAB] OR ADULT-ONSET[TIAB]))) OR ("SPONDYLARTHRTIS"[MESH:NOEXP]) OR (SPONDYLARTHRTIS*[TIAB]) OR (SPONDYLOARTHRTIS*[TIAB]) OR ("SPONDYLARTHROPATHIES"[MESH] OR SPONDYLARTHROPATH*[TIAB]) OR (MARIE-STRUMPELL SPONDYLITIS[TIAB] OR MARIE STRUMPELL SPONDYLITIS[TIAB] OR BECHTEREW SYNDROME*[TIAB]) OR (ARTHRITIC PSORIASIS[TIAB] OR PSORIATIC ARTHRITIS[TIAB] OR PSORIASIS ARTHROPATHICA[TIAB] OR PSORIATIC ARTHROPATH*[TIAB]) OR (SPONDYLOARTHRTIS ANKYLOPOIETICA[TIAB] OR ANKYLOSING SPONDYLARTHRTIS*[TIAB] OR ANKYLOSING SPONDYLITIS OR SPONDYLARTHRTIS ANKYLOPOIETICA[TIAB] OR BECHTEREW DISEASE[TIAB] OR BECHTEREW'S DISEASE[TIAB] OR BECHTEREWS DISEASE[TIAB] OR RHEUMATOID SPONDYLITIS[TIAB] OR SPONDYLITIS ANKYLOPOIETICA[TIAB]) OR (REACTIVE

Search	Query
	<p>ARTHRITI*[TIAB] OR POST-INFECTIOUS ARTHRI*[TIAB] OR POST INFECTIOUS ARTHRI*[TIAB] OR REITER SYNDROME*[TIAB] OR REITER'S DISEASE*[TIAB] OR REITERS DISEASE[TIAB] OR REITER DISEASE[TIAB] OR POSTINFECTIOUS ARTHRI*[TIAB])) OR ((JUVENILE ARTHRITIS[TW] OR JUVENILE ENTHESITIS-RELATED ARTHRITIS[TW] OR JUVENILE CHRONIC ARTHRITIS[TW] OR JUVENILE IDIOPATHIC ARTHRITIS[TW] OR JUVENILE OLIGOARTHRITIS[TW] OR JUVENILE PSORIATIC ARTHRITIS[TW] OR JUVENILE SYSTEMIC ARTHRITIS[TW] OR JUVENILE-ONSET STILL DISEASE[TW] OR JUVENILE ONSET STILL DISEASE[TW] OR JUVENILE-ONSET STILL'S DISEASE[TW] OR JUVENILE-ONSET STILLS DISEASE[TW] OR JUVENILE ONSET STILLS DISEASE[TW] OR JUVENILE INFLAMMATORY ARTHRITIS[TW])) OR (INFLAMMATORY AUTOIMMUNE ARTHRITI*[TW]))</p>
#3	<p>("BIOLOGICAL THERAPY"[MESH] OR BIOLOGICAL THERAP*[TIAB] OR BIOLOGIC THERAP*[TIAB] OR BIOTHERAP*[TIAB]) OR (((CHLOROCHIN[TIAB] OR KHINGAMIN[TIAB] OR CHINGAMIN[TIAB] OR NIVAQUINE[TIAB] OR ARALEN[TIAB] OR ARECHINE[TIAB]) OR ((ACEDAPSONE[TIAB] OR AMARIIN[TIAB] OR AMODIAQUINE[TIAB] OR ARTEFLENE[TIAB] OR ARTEMETHER*[TIAB] OR ARTEMISININS[TIAB] OR ARTEMOTIL[TIAB] OR ARTESUNATE[TIAB] OR ATOVAQUONE[TIAB] OR BETULINIC ACID[TIAB] OR BREDININ[TIAB] OR BRL 6231[TIAB] AND CHLORPROGUANIL[TIAB] OR CINCHONINE[TIAB] OR CRYPTOLEPINE[TIAB] OR CURDLAN SULFATE[TIAB] OR CYCLOGUANIL[TIAB] OR DAPSONE[TIAB] OR DERMASEPTIN[TIAB] OR DIHYDROARTEMISININ[TIAB] OR E 64[TIAB] OR HALOFANTRINE[TIAB] OR LAPACHOL[TIAB] OR LUMEFANTRINE[TIAB] OR MALOPRIM[TIAB] OR MEFLOQUINE*[TIAB] OR MIRINCAMYCIN[TIAB] OR</p>

Search	Query
	<p> MONORDEN[TIAB] OR PARVAQUONE[TIAB] OR PEPSTATIN[TIAB] OR PIPERAQUINE[TIAB] OR PRIMAQUINE[TIAB] OR PROGUANIL[TIAB] OR PYRIMETHAMINE[TIAB] OR PYRONARIDINE[TIAB] OR QUINIDINE[TIAB] OR QUININE[TIAB] OR RV 538[TIAB] OR SILICON PHTHALOCYANINE[TIAB] OR SINEFUNGIN[TIAB] OR SPIROGERMANIUM[TIAB] OR SULFADOXINE[TIAB] OR SULFALENE[TIAB] OR TAFENOQUINE[TIAB] OR TETRANDRINE[TIAB] OR TRIMETHOPRIM[TIAB]) OR (((("BARICITINIB"[SUPPLEMENTARY CONCEPT] OR BARICITINIB[TIAB] OR LY3009104[TIAB] OR INCB028050[TIAB]) OR ("TOFACITINIB"[SUPPLEMENTARY CONCEPT] OR TASOCITINIB[TIAB] OR XELJANZ[TIAB] OR CP 690,550[TIAB] OR CP690550[TIAB] OR CP- 690550[TIAB] OR CP 690550[TIAB] OR CP- 690,550[TIAB]) OR (TOFACITINIB*[TW]) OR (((SULFASALAZINE) OR ("SULFASALAZINE"[MESH] OR SULFASALAZINE*[TW] OR SULPHASALAZINE*[TW] OR SALICYLAZOSULFAPYRIDINE[TIAB] OR SALAZOSULFAPYRIDINE[TIAB] OR COLO- PLEON[TIAB] OR COLO PLEON[TIAB] OR PLEON[TIAB] OR UCINE[TIAB] OR AZULFIDINE[TIAB] OR SALAZOPYRIN[TIAB] OR PYRALIN EN[TIAB]) OR ("ANTIRHEUMATIC AGENTS"[PHARMACOLOGICAL ACTION]) OR ("ANTIRHEUMATIC AGENTS"[MESH] OR ANTIRHEUMATIC*[TIAB] OR ANTI- RHEUMATIC[TIAB] OR ANTI RHEUMATIC[TIAB] OR DMARD*[TIAB]) OR ("LEFLUNOMIDE"[SUPPLEMENTARY CONCEPT] OR LEFLUNOMIDE*[TIAB] OR ARAVA[TIAB] OR HWA 486[TIAB] OR HWA-486[TIAB] OR SU101[TIAB])) OR ((("MYCOPHENOLIC ACID"[MESH] OR MYCOPHENOLIC ACID*[TW]) OR ("MYCOPHENOLATE MOFETIL"[SUPPLEMENTARY CONCEPT] OR MYCOPHENOLATE MOFETIL[TW] OR RS 61443[TW] OR RS-61443[TW] OR </p>

Search	Query
	<p> MYCOPHENOLATE SODIUM[TW] OR SODIUM MYCOPHENOLATE[TW] OR MYFORTIC[TW] OR CELLCEPT[TW]) OR (MMF[TIAB]) OR ("AZATHIOPRINE"[MESH] OR AZATHIOPRINE[TIAB] OR AZOTHIOPRINE[TIAB] OR IMUREL[TIAB] OR IMURAN[TIAB] OR IMMURAN[TIAB]) OR ("BREDININ"[SUPPLEMENTARY CONCEPT] OR MIZORIBINE*[TIAB]) OR ("CYCLOSPORINE"[MESH] OR CYCLOSPORINS[MH] OR CYCLOSPORINE*[TIAB] OR CYCLOSPORIN*[TW] OR NEORAL[TIAB] OR CYA-NOF[TIAB] OR CYA NOF[TIAB] OR SANDIMMUNE[TIAB] OR SANDIMMUN[TIAB] OR CSA-NEORAL[TIAB] OR CSA NEORAL[TIAB] OR OL 27-400[TIAB] OR OL 27 400[TIAB] OR OL 27400[TIAB]) OR ("TACROLIMUS"[MESH] OR PROGRAF[TIAB] OR PROGRAFT[TIAB] OR TACROLIMUS[TIAB] OR FR-900506[TIAB] OR FR 900506[TIAB] OR FR900506[TIAB] OR FK-506[TIAB] OR FK 506[TIAB] OR FK506[TIAB]) OR (CYCLOPHOSPHAMIDE*[TIAB] OR CYCLOPHOSPHANE[TIAB] OR ENDOXAN[TIAB] OR NEOSAR[TIAB] OR NSC-26271[TIAB] OR NSC 26271[TIAB] OR NSC26271[TIAB] OR PROCYTOX[TIAB] OR SENDOXAN[TIAB] OR B-518[TIAB] OR B 518[TIAB] OR B518[TIAB] OR CYTOXAN[TIAB]) OR ("CYCLOPHOSPHAMIDE"[MESH]) OR ("METHOTREXATE"[MESH] OR AMETHOPTERIN[TIAB] OR METHOTREXATE[TIAB] OR MEXATE[TIAB]) OR ("RITUXIMAB"[MESH] OR RITUXIMAB[TIAB] OR RITUXIMAB[TW] OR MABTHERA[TIAB] OR IDEC-C2B8[TIAB] OR IDEC C2B8[TIAB] OR GP2013[TIAB] OR RITUXAN[TIAB]) OR ("BELIMUMAB"[SUPPLEMENTARY CONCEPT] OR BELIMUMAB[TIAB]) OR ("HYDROXYCHLOROQUINE"[MESH] OR HYDROXYCHLOROQUINE*[TIAB] OR OXYCHLOROQUINE[TIAB] OR PLAQUENIL[TIAB]) OR ("ANTIMALARIALS"[PHARMACOLOGICAL </p>

Search	Query
	<p>ACTION]) OR ("QUINACRINE"[MESH] OR QUINACRINE[TIAB]) OR ("CHLOROQUINE"[MESH] OR CHLOROQUINE[TIAB])) OR ("DOXYCYCLINE"[MESH] OR DOXYCYCLINE*[TIAB] OR ALPHA-6-DEOXYOXYTETRACYCLINE*[TIAB] OR ALPHA 6 DEOXYOXYTETRACYCLINE*[TIAB] OR VIBRAVENOS*[TIAB] OR BU 3839T[TIAB] OR DORYX[TIAB] OR HYDRAMYCIN*[TIAB] OR ORACEA[TIAB] OR PERIOSTAT[TIAB] OR VIBRA-TABS[TIAB] OR VIBRA TABS[TIAB] OR VIBRAMYCIN[TIAB] OR ATRIDOX[TIAB] OR BMY 28689[TIAB])) OR ("APREMILAST"[SUPPLEMENTARY CONCEPT] OR APREMILAST[TIAB] OR OTEZLA[TIAB] OR CC 10004[TIAB] OR CC-10004[TIAB]) OR (ANTI-TNF BIOLOGIC[TI]) OR (ANTI-TNF*[TW] OR ANTI TNF*[TW] OR ANTI TUMOR NECROSIS FACTOR*[TW] OR ANTI-TUMOR NECROSIS FACTOR*[TW] OR ANTI-TUMOUR NECROSIS FACTOR*[TIAB] OR ANTI TUMOUR NECROSIS FACTOR*[TIAB] OR TNF INHIBITOR*[TIAB] OR TUMOUR NECROSIS FACTOR INHIBITOR*[TIAB] OR TUMOR NECROSIS FACTOR INHIBITOR*[TIAB]) OR ("TUMOR NECROSIS FACTOR-ALPHA/ANTAGONISTS AND INHIBITORS"[MESH]) OR (TUMOR NECROSIS FACTOR ANTAGONIST*[TIAB] OR TUMOUR NECROSIS FACTOR ANTAGONIST*[TIAB]) OR (TUMOR NECROSIS FACTOR-ALPHA ANTAGONIST*[TIAB] OR TUMOUR NECROSIS FACTOR-ALPHA ANTAGONIST*[TIAB]) OR ("ADALIMUMAB"[MESH] OR ADALIMUMAB[TIAB] OR D2E7 ANTIBOD*[TIAB] OR HUMIRA[TIAB]) OR ("ETANERCEPT"[MESH] OR ETANERCEPT[TIAB] OR ENBREL[TIAB] OR TNF RECEPTOR TYPE II-IGG FUSION PROTEIN*[TIAB] OR TNF RECEPTOR TYPE II IGG FUSION PROTEIN*[TIAB] OR TNFR-FC FUSION PROTEIN*[TIAB] OR TNFR FC FUSION PROTEIN*[TIAB] OR TNR-001[TIAB] OR TNR 001[TIAB] OR TNF RECEPTOR FUSION</p>

Search	Query
	<p> PROTEIN*[TIAB]) OR ("GOLIMUMAB"[SUPPLEMENTARY CONCEPT OR GOLIMUMAB[TIAB] OR SIMPONI[TIAB]) OR ("CERTOLIZUMAB PEGOL"[MESH] OR CERTOLIZUMAB PEGOL*[TIAB] OR CIMZIA*[TIAB] OR CDP870[TIAB] OR CDP 870[TIAB]) OR ("INFLIXIMAB"[MESH] OR INFLIXIMAB[TIAB] OR MAB CA2[TIAB] OR MONOCLONAL ANTIBODY CA2[TIAB] OR REMICADE[TIAB]) OR ("ABATACEPT"[MESH] OR ABATACEPT[TIAB] OR BELATACEPT[TIAB] OR BMS-224818[TIAB] OR BMS 224818[TIAB] OR LEA29Y[TIAB] OR NULOJIX[TIAB] OR ORENCIA[TIAB] OR BMX 188667[TIAB] OR CTLA-4-LG[TIAB] OR CTLA4-IG[TIAB] OR CTLA4-FC[TIAB] OR CYTOTOXIC T LYMPHOCYTE-ASSOCIATED ANTIGEN 4- IMMUNOGLOBULIN*[TIAB] OR CYTOTOXIC T LYMPHOCYTE ASSOCIATED ANTIGEN 4 IMMUNOGLOBULIN*[TIAB]) OR ("TOCILIZUMAB"[SUPPLEMENTARY CONCEPT] OR TOCILIZUMAB[TIAB] OR ATLIZUMAB[TIAB] OR ACTEMRA[TIAB]) OR ("INTERLEUKIN 1 RECEPTOR ANTAGONIST PROTEIN"[MESH] OR URINE-DERIVED IL1 INHIBITOR*[TIAB] OR URINE DERIVED IL1 INHIBITOR[TIAB] OR IL1 FEBRILE INHIBITOR*[TIAB] OR URINE IL-1 INHIBITOR*[TIAB] OR IL-1RA[TIAB] OR ANTRIL[TIAB] OR ANAKINRA[TIAB] OR KINERET[TIAB]) OR ("SECUKINUMAB"[SUPPLEMENTARY CONCEPT] OR SECUKINUMAB[TIAB] OR COSENTYX[TIAB] OR AIN 457[TIAB] OR AIN457[TIAB] OR AIN-457[TIAB]) OR ("GLUCOCORTICOID"[MESH] OR GLUCOCORTICOID*[TIAB]) OR ("GLUCOCORTICOID"[PHARMACOLOGICAL ACTION]) OR (ALCLOMETASONE DIPROPIONATE[TIAB] OR AMCINONIDE[TIAB] OR BECLOMETHASONE[TIAB] OR BETAMETHASONE[TIAB] OR BUDESONIDE[TIAB] OR CICLESONIDE[TIAB] OR CLOBETASOL[TIAB] OR CLOBETASONE BUTYRATE*[TIAB] OR CLOCORTOLONE[TIAB] </p>

Search	Query
	<p>OR DESOXIMETASONE[TIAB] OR DEXAMETHASONE[TIAB] OR DICHLORISONE ACETATE[TIAB] OR DIFLORASONE[TIAB] OR DIFLUCORTOLONE[TIAB] OR DIFLUPREDNATE[TIAB] OR DROCINONIDE PHOSPHATE POTASSIUM[TIAB] OR FLUMETHASONE[TIAB] OR FLUOCINOLONE ACETONIDE*[TIAB] OR FLUOCINONIDE*[TIAB] OR FLUOCORTIN BUTYL ESTER[TIAB] OR FLUOCORTOLONE[TIAB] OR FLUOROMETHOLONE[TIAB] OR FLUPEROLONE ACETATE*[TIAB] OR FLUPREDNIDENE ACETATE*[TIAB] AND FLUPREDNISOLONE[TIAB] OR FLURANDRENOLONE[TIAB] OR FLUTICASONE[TIAB] OR MEDRYSONE[TIAB] OR MELENGESTROL ACETATE*[TIAB] OR METHYLPREDNISOLONE[TIAB] OR PARAMETHASONE[TIAB] OR PREDNICARBATE[TIAB] OR PREDNISOLONE[TIAB] OR PREDNISONONE[TIAB] OR RIMEXOLONE[TIAB] OR TRIAMCINOLONE[TIAB]))) OR ("USTEKINUMAB"[MESH] OR USTEKINUMAB*[TIAB] OR STELARA[TIAB] OR CNTO 1275[TIAB] OR CNTO1275[TIAB]))</p>
#4	#1 AND #2 AND #3

Perioperative Management - Embase Search Strategy – March 6, 2016

Syntax Guide for Embase	
/ = at the end of a word or phrase means that it is searched as a subject heading	EXP = a command to retrieve all narrower emtree terms
* truncation symbol	ADJ = adjacency; terms are adjacent to each other, in either direction ; adj2 = terms are within 2 words of each other, in either direction
.TI,AB,DE= word or phrase is searched for in the title, abstract, and descriptor (index term)	LIM = command to limit results to age groups, years, language, publication types, etc.
Boolean Operators	
OR = retrieves results that include at least one of the search terms	AND = retrieves results that include all the search terms

NOT = excludes the retrieval of terms from the search	
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Database: Embase

Search Strategy:

- #1 'KNEE ARTHROPLASTY'/EXP OR 'HIP ARTHROPLASTY'/EXP
- #2 'HIP REPLACEMENT':AB, TI OR 'HIP ARTHROPLASTY':AB, TI OR 'HIP PROSTHESIS':AB, TI OR 'HIP PROSTHESES':AB, TI OR 'FEMORAL HEAD PROSTHESIS':AB, TI OR 'FEMORAL HEAD PROSTHESES':AB, TI OR 'HIP TOTAL REPLACEMENT':AB, TI
- #3 'KNEE REPLACEMENT':AB, TI OR 'KNEE ARTHROPLASTY':AB, TI OR 'KNEE TOTAL REPLACEMENT':AB, TI OR 'KNEE PROSTHESIS':AB, TI OR 'KNEE PROSTHESES':AB, TI
- #4 KNEE*:DE, AB, TI OR HIP:DE, AB, TI OR HIPS:DE, AB, TI AND (ARTHROPLAST*:DE, AB, TI OR REPLACEMENT*:DE, AB, TI OR PROSTHES*:DE, AB, TI)
- #5 #1 OR #2 OR #3 OR #4
- #6 #5 AND [EMBASE]/LIM NOT [MEDLINE]/LIM AND (1980:PY OR 1981:PY OR 1982:PY OR 1983:PY OR 1984:PY OR 1985:PY OR 1986:PY OR 1987:PY OR 1988:PY OR 1989:PY OR 1990:PY OR 1991:PY OR 1992:PY OR 1993:PY OR 1994:PY OR 1995:PY OR 1996:PY OR 1997:PY OR 1998:PY OR 1999:PY OR 2000:PY OR 2001:PY OR 2002:PY OR 2003:PY OR 2004:PY OR 2005:PY OR 2006:PY OR 2007:PY OR 2008:PY OR 2009:PY OR 2010:PY OR 2011:PY OR 2012:PY OR 2013:PY OR 2014:PY OR 2015:PY OR 2016:PY) AND [ENGLISH]/LIM
- #7 'JUVENILE'/EXP
- #8 'ADULT'/EXP
- #9 #7 NOT (#7 AND #8)
- #10 #6 NOT #9
- #11 'ANIMAL'/EXP NOT ('ANIMAL'/EXP AND 'HUMAN'/EXP)
- #12 #10 NOT #11
- #13 'CASE REPORT'/EXP
- #14 'EDITORIAL'/EXP OR 'LETTER'/EXP OR 'ABSTRACT REPORT'/EXP
- #15 #13 OR #14
- #16 #12 NOT #15

- #17 'GLUCOCORTICOID'/EXP OR GLUCOCORTICOID*:AB,TI
- #18 'MYCOPHENOLIC ACID'/EXP OR 'MMF':AB,TI OR MYFORTIC:AB,TI OR MYCOPHENOLATE*:AB,TI OR MELBEX:AB,TI
- #19 'ANTIRHEUMATIC AGENT'/EXP OR ANTIRHEUMATIC*:AB,TI OR 'ANTI RHEUMATIC':AB,TI OR 'ANTI RHEUMATICS':AB,TI OR 'ANTI-RHEUMATIC':AB,TI OR 'ANTI-RHEUMATICS':AB,TI
- #20 'AZATHIOPRINE'/EXP OR AZATHIOPRINE*:AB,TI OR MERCAPTOPURINE:AB,TI OR ARATHIOPRIN*:AB,TI OR AZAFALK:AB,TI OR AZAHEXAL:AB,TI OR AZAMEDAC:AB,TI OR AZAMUN*:AB,TI OR AZANIN:AB,TI OR AZAPIN:AB,TI OR AZAPRESS:AB,TI OR AZAPRINE:AB,TI OR AZAREX:AB,TI OR AZASAN:AB,TI OR AZATHIODURA:AB,TI OR AZATHIOPINE:AB,TI OR AZATHIOPRIM:AB,TI OR AZATHIOPRIN:AB,TI OR AZATHIOPURINE:AB,TI OR AZATHROPSIN:AB,TI OR AZATIOPRIN:AB,TI OR AZATOX:AB,TI OR AZATRILEM:AB,TI OR AZOPI:AB,TI OR AZORAN:AB,TI OR AZOTHIOPRIN:AB,TI OR AZOTHIOPRINE:AB,TI OR COLINSAN:AB,TI OR IMMURAN:AB,TI OR IMMUREL:AB,TI OR IMMUTHERA:AB,TI OR IMUNEN:AB,TI OR IMUPRIN:AB,TI OR IMURAN:AB,TI OR IMURANE:AB,TI OR IMUREK:AB,TI OR IMUREL:AB,TI OR IMUREN:AB,TI OR THIOAZEPRINE:AB,TI OR THIOPRINE:AB,TI OR TRANSIMUNE:AB,TI OR ZYTRIM:AB,TI
- #21 'MIZORIBINE'/EXP OR MIZORIBINE:AB,TI OR BREDININ:AB,TI
- #22 'CYCLOSPORIN'/EXP OR CYCLOSPORIN*:AB,TI OR DEXIMUNE:AB,TI OR IMPLANTA:AB,TI OR IMUSPORIN:AB,TI
- #23 'TACROLIMUS'/EXP OR TACROLIMUS:AB,TI OR PROGRAF:AB,TI
- #24 'CYCLOPHOSPHAMIDE'/EXP OR CYCLOPHOSPHAMIDE*:AB,TI
- #25 'METHOTREXATE'/EXP OR METHOTREXATE*:AB,TI OR RHEUMATREX:AB,TI
- #26 'RITUXIMAB'/EXP OR RITUXAN:AB,TI OR RITUXIMAB:AB,TI
- #27 'BELIMUMAB'/EXP OR BENLYSTA:AB,TI OR 'LYMPHOSTAT B':AB,TI
- #28 'HYDROXYCHLOROQUINE'/EXP OR PLAQUENIL:AB,TI OR HYDROXYCHLOROQUINE*:AB,TI
- #29 'ANTIMALARIAL AGENT'/EXP OR ANTIMALARIAL*:AB,TI OR 'ANTI MALARIAL':AB,TI OR 'ANTI-MALARIAL':AB,TI OR 'ANTI MALARIALS':AB,TI OR 'ANTI-MALARIALS':AB,TI
- #30 'MEPACRINE':AB,TI OR QUINACRINE:AB,TI OR CHROLOQUINE*:AB,TI
- #31 'LEFLUNOMIDE'/EXP OR ARAVA:AB,TI OR LEFLUNOMIDE:AB,TI
- #32 'DISEASE MODIFYING ANTIRHEUMATIC DRUG'/EXP OR DMARD:AB,TI OR DMARDS:AB,TI

#33 'SALAZOSULFAPYRIDINE'/EXP OR AZULFIDINE:AB, TI OR SALAZOSULFAPYRIDINE*:AB, TI OR SULFASALAZINE*:AB, TI OR SSZ:AB, TI OR SALICYLAZOSULFAPYRIDIN:AB, TI

#34 'DOXYCYCLINE'/EXP OR DORYX:AB, TI OR DOXYCYCLINE*:AB, TI OR MONODOX:AB, TI OR VIBRAMYCIN:AB, TI OR 'VIBRA-TABS':AB, TI

#35 'TOFACITINIB'/EXP OR TOFACITINIB:AB, TI OR TASOCITINIB*:AB, TI OR XELJANZ:AB, TI

#36 'BARICITINIB'/EXP OR BARICITINIB:AB, TI

#37 'APREMILAST'/EXP OR ACETAMIDE:AB, TI OR OTEZLA:AB, TI OR APREMILAST:AB, TI

#38 'ADALIMUMAB'/EXP OR HUMIRA:AB, TI OR TRUDEXA:AB, TI OR ADALIMUMAB:AB, TI

#39 'ETANERCEPT'/EXP OR ENBREL:AB, TI OR ETANERCEPT:AB, TI OR EMBREL:AB, TI

#40 'GOLIMUMAB'/EXP OR SIMPONI:AB, TI OR GOLIMUMAB:AB, TI

#41 'CERTOLIZUMAB PEGOL'/EXP OR CIMZIA:AB, TI OR 'CERTOLIZUMAB PEGOL':AB, TI

#42 'INFLIXIMAB'/EXP OR REMICADE:AB, TI OR INFLIXIMAB:AB, TI

#43 'TUMOR NECROSIS FACTOR INHIBITOR'/EXP OR 'ANTI TNF':AB, TI OR 'ANTI TUMOR NECROSIS FACTOR':AB, TI OR 'ANTI TUMOUR NECROSIS FACTOR':AB, TI OR 'TNF INHIBITOR':AB, TI OR 'TNF INHIBITORS':AB, TI OR 'TUMOUR NECROSIS FACTOR INHIBITOR':AB, TI OR 'TUMOUR NECROSIS FACTOR INHIBITORS':AB, TI OR 'TNF ANTAGONIST':AB, TI OR 'TNF ANTAGONISTS':AB, TI OR 'TUMOR NECROSIS FACTOR ANTAGONIST':AB, TI OR 'TUMOUR NECROSIS FACTOR ANTAGONIST':AB, TI

#44 'ABATACEPT'/EXP OR ORENCIA:AB, TI OR ABATACEPT:AB, TI

#45 'TOCILIZUMAB'/EXP OR ACTEMRA:AB, TI OR ATILIZUMAB:AB, TI OR ROACTEMRA:AB, TI OR TOCILIZUMAB:AB, TI

#46 'RECOMBINANT INTERLEUKIN 1 RECEPTOR BLOCKING AGENT'/EXP OR ANAKINRA:AB, TI OR KINERET:AB, TI

#47 'SECUKINUMAB'/EXP OR COSENTYX:AB, TI OR SECUKINUMAB:AB, TI

#48 'USTEKINUMAB'/EXP OR STELARA:AB, TI OR USTEKINUMAB:AB, TI

#49 'BIOLOGICAL THERAPY'/EXP

#50 #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 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR

#39 OR #40 OR #41 OR #42 OR #43 OR #44 OR #45 OR #46 OR #47 OR #48 OR #49

#51 'SYSTEMIC LUPUS ERYTHEMATOSUS'/DE OR 'SLE':AB, TI OR 'LUPUS':AB, TI OR 'LIBMAN-SACKS DISEASE':AB, TI OR 'LIBMAN SACKS DISEASE':AB, TI

#52 'ANKYLOSING SPONDYLITIS'/EXP OR 'ANKYLOSING SPONDYLITIS':AB, TI

#53 'SPONDYLARTHROSIS'/EXP OR SPONDYLARTHROSIS*:AB, TI

#54 SPONDYLOARTHROSIS*:AB, TI

#55 SPONDYLARTHROPATHY*:DE, AB, TI

#56 'SPONDYLOARTHROPATHY'/EXP

#57 'MARIE STRUMPELL SPONDYLITIS':AB, TI

#58 BECHTEREW*:AB, TI

#59 'PSORIATIC ARTHRITIS'/EXP OR 'ARTHRITIC PSORIASIS':AB, TI OR 'PSORIATIC ARTHRITIS':AB, TI OR 'PSORIASIS ARTHROPATHICA':AB, TI OR 'PSORIATIC ARTHROPATHY':AB, TI OR 'PSORIATIC ARTHROPATHIES':AB, TI

#60 SPONDYLOARTHROSIS ANKYLOPOIETICA':AB, TI OR 'ANKYLOSING SPONDYLARTHROSIS':AB, TI OR 'SPONDYLARTHROSIS ANKYLOPOIETICA':AB, TI OR 'RHEUMATOID SPONDYLITIS':AB, TI OR 'SPONDYLITIS ANKYLOPOIETICA':AB, TI

#61 'REACTIVE ARTHRITIS'/EXP OR 'REACTIVE ARTHRITIS':AB, TI OR 'POST-INFECTIOUS ARTHRITIS':AB, TI OR 'POSTINFECTIOUS ARTHRITIS':AB, TI

#62 'REITER SYNDROME'/EXP OR REITER:DE, AB, TI

#63 'RHEUMATOID ARTHRITIS'/EXP OR 'RHEUMATOID ARTHRITIS':AB, TI OR 'INFLAMMATORY ARTHRITIS':AB, TI

#64 'RHEUMATOID NODULE':AB, TI OR 'RHEUMATOID NODULES':AB, TI

#65 'ADULT ONSET STILL DISEASE':AB, TI

#66 'STILLS DISEASE':AB, TI OR 'STILL DISEASE':AB, TI

#67 #51 OR #52 OR #53 OR #54 OR #55 OR #56 OR #57 OR #58 OR #59 OR #60 OR #61 OR #62 OR #63 OR #64 OR #65 OR #66

#68 'JUVENILE RHEUMATOID ARTHRITIS'/EXP OR 'JUVENILE ARTHRITIS':AB, TI

#69 #68 OR #67

#70 #69 AND #50 AND #16