

Protocol for a systematic review and network meta-analysis of randomised controlled trials examining anti-inflammatory therapies in the prevention of cardiovascular events

Kevin Emery Boczar, Sheojung Shin, Kathryn A Bezzina, Aishwarya Geejo, Alexander Liam Pearson, Saba Shahab, Christophe A. Fehlmann, Sarah M Visintini, Rob Beanlands, George A. Wells

Online Supplemental: Search Strategies

Table 1. Medline Search

#	Searches
1	exp Arteriosclerosis/ or Plaque, Atherosclerotic/
2	(atherosclero* or athero-sclero* or arteriosclero* or arterial-sclero* or arteriolosclero* or arteriolo-sclero* or vascular sclero* or ASCVD or ASCAD or intima plaque).ti,ab,kf,kw.
3	Acute Coronary Syndrome/ or exp Coronary Disease/
4	((coronary adj3 (arter* or stenosis* or disease? or disorder? or syndrom?)) or CAD or SCAD).ti,ab,kf,kw.
5	exp Percutaneous Coronary Intervention/ or exp Myocardial Revascularization/
6	((aortocoronary or aorto-coronary or coronary) adj3 bypass*) or CABG).ti,ab,kf,kw.
7	exp endarterectomy/ or exp thrombectomy/ or exp Atherectomy/ or exp Embolectomy/
8	(angioplast* or atherectom* or endarterectom* or thrombectom* or thromboendarterectom* or thrombo-endarterectom* or PCI or PTCA or (Percutaneous adj3 (intervent* or revascular*))).ti,ab,kf,kw.
9	or/1-8
10	exp Anti-Inflammatory Agents, Non-Steroidal/
11	((non-steroidal or nonsteroidal) adj2 (anti-inflammatory or antiinflammatory or analg?esic*)) or NSAID*).ti,ab,kf,kw.
12	(acalabrutinib* or aceclofenac* or acemetacin* or acetaminosalol* or acetylsalicylate* or acetylsalicylic* or aclantate* or actarit* or adalimumab* or afasevikumab* or afimetroan* or alclofenac* or aldafermin* or alminoprofen* or aloxiprin* or amfenac* or aminophenazone* or aminosalicylic* or amlitelimab* or amlodipine* or ampiroxamic* or amtolmetin guacil* or anirolac* or antinflamin* or apadenoson* or apremilast* or araprofen* or ascription* or asivatrep* or astegolimab* or atibuclimab* or atliprofen* or aviptadil* or azathioprine* or azelaic acid* or bakeprofen* or balsalazide* or bardoxolone* or bardoxolone methyl* or belumosudil* or bendazac* or benorilate* or benoxaprofen* or bermoprofen* or bimosiamose* or brazikumab* or brensocatic* or brimonidine* or bromfenac* or broperamole* or bucloxic acid* or bucolome* or bufexamac* or butibufen* or camobucol* or carbasalate* or carotegrast* or carprofen* or cedirogant* or celecoxib* or cibatetide* or cicloprofen* or cimicoxib* or cinmetacin* or cinnoxamic* or clidanac* or clofezone* or clonixin* or clonixin lysine* or cloximate* or crisaborole*).ti,ab,kf,kw.

13	(dagrocorat* or danicopan* or dapansutril* or dapatifagene navolactibac* or darbufelone* or daxdilimab* or dazodalibep* or dehydrozingerone* or demethoxycurcumin* or deracoxib* or deucravacitinib* or dexibuprofen* or dexketoprofen* or dexpemedolac* or diclofenac* or didemethoxycurcumin* or diflunisal* or diftalone* or dimethyl fumarate* or dimethyl sulfoxide* or diphenpyramide* or ditazole* or droxicam* or duometacin* or ebdarokimab* or ebselen* or edasalonexent* or efruxifermin* or elsibucol* or emavusertib* or emorfazone* or emvododstat* or endolac* or enfenamic acid* or enflicoxib* or enpatoran* or epirizole* or etodolac* or etofenamate* or etoricoxib* or evobrutinib* or felbinac* or fenamic acid* or fenbufen* or fenclofenac* or fenclozic acid* or fendosal* or fenflumizole* or fenoprofen* or fentiazac* or fepradinol* or feprazone* or firategrast* or firocoxib* or flobufen* or flosulide* or flufenamate aluminum* or flufenamic acid* or flunixin* or flunoxaprofen* or fluproquazone* or flurbiprofen* or flutiazin* or fosdagrocorat* or fosfosal* or furaprofen* or furclopofen* or furobufen* or furofenac* or fuzapladib*).ti,ab,kf,kw.
14	(glucametacin* or gluconate zinc* or guacetisal* or guaimesal* or gusacitinib* or hydroxychloroquine* or ibrigampar* or ibufenac* or ibuprofen* or ibuproxam* or icoduline* or icosapentaenoic acid* or iguratimod* or ilonidap* or imidazole salicylate* or imisopasem manganese* or imsidolimab* or incyclinide* or indameth* or indometacin* or indoprofen* or ipsalazide* or iptacopan* or isecarosmab* or isofezolac* or isonixin* or isoxepac* or isoxicam* or itepekimab* or kebuzone* or ketoprofen* or ketoprofen lysine* or ketorolac* or lazertinib* or lazucirnon* or leflunomide* or lenabasum* or licofelone* or lifitegrast* or lirectelimab* or lobuprofen* or lonazolac* or lorecivint* or lornoxicam* or losmiprofen* or loxoprofen* or lumiracoxib* or lusvertikimab* or lyprinol* or lysine acetylsalicylate*).ti,ab,kf,kw.
15	(mabuprofen* or magnesium salicylate* or manolide* or mapracorat* or mavacoxib* or meclofenam* or mefenamic acid* or meloxicam* or melrilimab* or mesalazine* or methotrexate* or metiazinic acid* or metoxibutropate* or milategrast* or mipragoside* or mirococept* or miroprofen* or mivavotinin* or mofebutazone* or mofezolac* or mongersen* or morazone* or morniflumate* or mosedipimod* or nabumetone* or nangibotide* or naproxinod* or naproxen* or navamepent* or nepafenac* or neurofenac* or neurotropin* or nictindole* or niflumic acid* or nimesulide* or ocarocoxib* or odalprofen* or olsalazine* or ordesekimab* or ormeloxifene* or orpanoxin* or otenaproxesul* or oxaceprol* or oxametacin* or oxaprazine* or oxaprozin* or oxicam derivative* or oxindanac* or oxyphenbutazone*).ti,ab,kf,kw.
16	(palifermin* or paracetasal* or parecoxib* or pelubiprofen* or pemedolac* or perisoxal* or phenylbutazone* or phenylbutazone megallate* or picolamine salicylate* or piketoprofen* or pimeprofen* or pipebuzone* or piproxen* or pirazolac* or pifenidone* or piroxicam* or piroxicam beta cyclodextrin* or pirprofen* or plonmarlimab* or plozalizumab* or polmacoxib* or pralnacasan* or pranoprofen* or prinomide* or prinomide triethanolamine* or proglumetacin* or proquazone* or pyrazinobutazone* or quellor* or rapamycin* or rasagiline* or ravagalimab* or relfovetmab* or reltecimod* or remestemcel L* or resatorvid* or rimacalib* or rimazolium* or risankizumab* or robenacoxib* or rofecoxib* or romazarit* or rosiptor* or rosmarinic acid* or rovozolac* or rozibafusp alfa* or ruxolitinib* or salazosulfapyridine* or salicylic acid* or salnacedin* or salsalate* or satralizumab* or scalaradial* or semapimod* or semorinemab* or sibofimloc* or simufilam* or sudoxicam* or sulfosalicylate samarium* or sulindac* or suprofen* or suxibuzone*).ti,ab,kf,kw.
17	(talniflumate* or tapinarof* or tazofelone* or telazorlimab* or tenidap* or tenosal* or tenosiprol* or tenoxicam* or tepoxalin* or teriflunomide* or tesnatilimab* or tiaprofenic acid* or tiaramide* or tilmacoxib* or tilnoprofen arbamel* or tilomisole* or timegadine* or tioxamast* or

	tioxaprofen* or tirnovetmab* or tolebrutinib* or tolfenamic acid* or tolmetin* or tomaralimab* or tomicorat* or torudokimab* or tozorakimab* or tralokinumab* or tribuzone* or triethanolamine salicylate* or tropesin* or tryptamide* or ufenamate* or valategrast* or valdecoxib* or valerylsalicylic acid* or vasoactive intestinal polypeptide* or vedaprofen* or velsecorat* or vemircopan* or verramed* or vilobelimab* or vixarelimab* or ximoprofen* or zabedoseritib* or zaloglanstat* or zaltoprofen* or zaurategrast* or zidometacin* or zinc salicylate* or zoliprofen* or zomepirac*).ti,ab,kf,kw.
18	exp Colchicine/
19	(Colbenemid* or Colchichin* or colchicum* or colchily* or colchineseos* or colchimedio* or colchiquim* or colchisol* or colchysat* or colcin* or colcrys* or colctab* or colgout* or colrefuz* or colsaloid* or Condylon* or gloperba* or goutichine* or goutnil* or kolkicin* or kolkisin* or mitigare* or tolchicine*).ti,ab,kf,kw.
20	(64-86-8* or SML2Y3J35T*).rn.
21	Prednisone/
22	(adasone* or acsis* or ancortone* apo-prednisone* or bicortone* or biocortone* or cartancyl* or colisone* or Cortan* or cortancyl* or cortidelt* or cortiprex* or cotone* or cutason* or dacorten* or dacortin* or decortancyl* or decortin* or de-cortisyl* or decortisyl* or dihydrocortisone* or dihydrocortisone* or dekortin or dellacort* or deltacorten* or delta-cortelan* or delta-cortisone* or deltacortisone* or deltacortone* or delta-dome* or delta-prenovis* or deltasone* or delitison* or deltison* or deltra* or diadreson* or di-adreson* or drazone* or econosone* or encorton* or encortone* or enkorton* or enkortolon* or fernisone* or fiasone* or hostacortin* or insone* or incocortyl* or juvason* or kortancyl* or liquid pred* or lodotra* or lodtra* or lisacort* or me-korti* or meprison* or metacortandracin* or Meticorten* or meticortine* or nisona* or nizon* or novoprednisone* or nurison* or Orasone* or orisane* or panafcort* or paracort* or panasol* or parmenison* or pehacort* or predeltin* or precort* or precortal* or prednicen* or prednicorm* or prednicort* or prednicot* or predni tablinen* or prednidib* or prednilonga* or predniment* or prednison* or prednitone* or prednizon* or prednovister* or presone* or pronison* or pronizon* or pulmison* or rayos* or rectodelt* or rectrocortine* or servisone* or sone\$2 or steerometz* or sterapred* or supercortil* or ultracorten* or urtilone* or winpred* or wojtab* or zenadrid*).ti,ab,kf,kw.
23	(53-03-2 or VB0R961HZT).rn.
24	Methotrexate/
25	(abitextrate* or abitrexate* or amethopterin* or amethopterin* or ametopterine* or antifolan* or biotrexate* or brimexate* or canceren* or emtexate* or emthexat* or emthexate* or emtrexate* or enthexate* or farmitrexat* or farmotrex* or fauldexato* or folex* or ifamet* or imeth\$2 or intradose MTX or jylamvo* or lantarel* or ledertrexate* or lumexon* or maxtrex* or medsatrexate* or metatrexan* or metex* or methoblastin* or methohexate* or methotrate* or methotrexat* or methylaminopterin* or metical* or metoject* or metotressato* or metothrexate* or metotrexat* or metotrexin* or metrex* or metrotex* or mexate* or neotrexate* or nordimet* or novatrex* or otrexup* or rasuvo* or reditrex* or reumatrex* or rheumatrex* or texate* or texorate* or tremetex* or trexall* or trexeron* or trixiem* or xaken* or xatmep* or zexate*).ti,ab,kf,kw.
26	(59-05-2 or YL5FZ2Y5U1).rn.
27	Interleukin-1beta/
28	(ACZ-885* or ACZ885* or Canakinumab* or ilaris*).ti,ab,kf,kw.
29	(914613-48-2 or 37CQ2C7X93).rn.

30	Antibodies, Monoclonal, Humanized/
31	(pexelizumab or "h5G1.1-SC").ti,ab,kf,kw.
32	(219685-93-5 or CHZ6OLQ3UU).rn.
33	Interleukin 1 Receptor Antagonist Protein/
34	(Anakinra* or Anril* or Kineret* or il-1ra* or (interleukin 1 receptor adj1 (antagonist or block* or inhibit*))).ti,ab,kf,kw.
35	(143090-92-0 or 9013DUQ28K).rn.
36	(agi-1067* or agi1067* or agz-1067* or agz1067* or probucol succinate* or Succinobucol*).ti,ab,kf,kw.
37	(216167-82-7 or J1J54V24R4).rn.
38	(ftx-1821* or ftx1821* or gsk-856553* or gsk856553* or gw-856553* or gw856553* or Losmapimod* or sb-856553* or sb856553*).ti,ab,kf,kw.
39	(F2DQF16BXE or 585543-15-3).rn.
40	(lc1004* or lc-1004* or inclacumab* or ro4905417* or ro-4905417*).ti,ab,kf,kw.
41	(1256258-86-2 or A6734I702L).rn.
42	(Atreleuton* or a85761* or a-85761* or abt761* or abt-761* or via-2291* or via2291*).ti,ab,kf,kw.
43	(U301T88E1M or 154355-76-7).rn.
44	(darapladib* or sb-480848* or sb480848*).ti,ab,kf,kw.
45	(356057-34-6 or UI1U1MYH09).rn.
46	(Varespladib* or Varepladib* or ly315920* or ly-315920* or s-5920* or s5920*).ti,ab,kf,kw.
47	(2Q3P98DATH or 172732-68-2).rn.
48	or/10-47
49	randomized controlled trial.pt.
50	controlled clinical trial.pt.
51	randomized.ab.
52	placebo.ab.
53	clinical trials as topic.sh.
54	randomly.ab.
55	trial.ti.
56	49 or 50 or 51 or 52 or 53 or 54 or 55
57	exp animals/ not humans.sh.
58	56 not 57
59	9 and 48 and 58