eAppendix 1

The number of results from each database prior to removing duplicates is

<table>
<thead>
<tr>
<th>Database</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDLINE(R) and Epub Ahead of Print, In-Process, In-Data-Review &amp; Other Non-Indexed Citations</td>
<td>439</td>
</tr>
<tr>
<td>Embase</td>
<td>1174</td>
</tr>
<tr>
<td>Cochrane Database of Systematic Reviews</td>
<td>20</td>
</tr>
<tr>
<td>Scopus</td>
<td>24</td>
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<tr>
<td>Total</td>
<td>1657</td>
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<tr>
<td>In the Endnote file with duplicates removed.</td>
<td>1216</td>
</tr>
</tbody>
</table>

Ovid

Database(s): EBM Reviews - Cochrane Database of Systematic Reviews 2005 to May 23, 2023, Embase 1974 to 2023 May 25, Ovid MEDLINE(R) and Epub Ahead of Print, In-Process, In-Data-Review & Other Non-Indexed Citations, Daily and Versions 1946 to May 25, 2023

Search Strategy:

Searches

<table>
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<th>#</th>
<th>Searches</th>
<th>Results</th>
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<tbody>
<tr>
<td>1</td>
<td>exp pain/ and exp Chronic Disease/</td>
<td>44870</td>
</tr>
<tr>
<td>2</td>
<td>exp Chronic Pain/</td>
<td>99322</td>
</tr>
<tr>
<td>3</td>
<td>exp Headache/</td>
<td>299930</td>
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<td>4</td>
<td>exp Headache Disorders/</td>
<td>412666</td>
</tr>
<tr>
<td>5</td>
<td>exp Back Pain/</td>
<td>179673</td>
</tr>
<tr>
<td>6</td>
<td>exp Neuralgia/</td>
<td>151836</td>
</tr>
<tr>
<td>7</td>
<td>exp Nociceptive Pain/</td>
<td>4043</td>
</tr>
<tr>
<td>8</td>
<td>exp Angina Pectoris/</td>
<td>153110</td>
</tr>
<tr>
<td>9</td>
<td>(((&quot;non-crisis&quot; or noncrisis or chronic* or widespread) adj5 pain*) or ((CNLBP or LBP or NLBP) and pain*) or (FBSS and back) or &quot;Alice in Wonderland Syndrome&quot;* or Angina or &quot;angor pectoris&quot; or &quot;atypical neuralgia&quot;* or &quot;atypical neuralgias&quot; or &quot;back ache&quot;* or &quot;back pain&quot;* or backache* or backpain* or cephalalgia* or cephalea* or cephalgia* or cephalodynia* or &quot;cerebral pain&quot;* or &quot;chronic intractable pain&quot;* or &quot;chronic pain&quot;* or &quot;cranial pain&quot;* or cranialgia* or &quot;discogenic pain&quot;* or &quot;diskogenic pain&quot;* or dorsalgia* or &quot;failed back surgery&quot; or &quot;head ache&quot;* or &quot;head pain&quot;* or headache or headache* or hemicrania* or &quot;inflammatory pain&quot;* or &quot;ischemic pain&quot;* or &quot;leg pain&quot;* or lumbago or migraine* or migrainous or &quot;Morton Neuroma&quot;* or &quot;nerve pain&quot;* or neuralgia* or neurodynia* or &quot;neuropathic pain&quot;* or &quot;nociceptive pain&quot;* or &quot;noncrisis pain&quot;* or &quot;non-crisis pain&quot;* or &quot;paroxysmal nerve pain&quot;* or &quot;Piriformis Muscle Syndrome&quot;* or Sciatica* or &quot;somatic pain&quot;* or &quot;status hemicranicus&quot;* or stenocardia* or &quot;stump neuralgia&quot;* or &quot;sunt syndrome&quot; or &quot;tissue pain&quot;*</td>
<td>898081</td>
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</table>
or "vertebrogenic pain syndrome" or "Visceral Pain" or "widespread pain").ti,ab,kf.

10 or/1-9 1296373

11 Electric Stimulation Therapy/ 24363

12 exp neuromodulation/ 48866

13 exp Spinal Cord Stimulation/ 11143

(((electric or electro* or wire or wires or "spinal cord" or spinal or epidural or "dorsal column" or tonic or burst or "high-frequency" or "dorsal root ganglion" or "peripheral nerv*" or PNS or PN or peripheral) adj3 (stimulat* or electrostimulat* or electrostimulation* or electrostimulus or electrotherap* or "E-stim" or ESTIM or galvanostimulation* or galvanostimulus or neuromodulat* or Neuromodulation or neuromodulatory or neurostimulat*)) or (multifidus and (stimulat* or electrostimulat* or electrostimulation* or electrostimulus or electrotherap* or "E-stim" or ESTIM or galvanostimulation* or galvanostimulus or neuromodulat* or Neuromodulation or neuromodulatory or neurostimulat*)) or electrostimulat* or neuromodulat* or neurostimulat* or stimulator*.ti,ab,kf.

14 11 or 12 or 13 or 14 371556

15 10 and 15 27451

16 10 and 15 476308

17 exp meta analysis/ 79841

18 exp Meta-Analysis as Topic/ 666488

19 exp "systematic review"/ 1232226

20 (((meta adj analys*) or (systematic* adj3 review*)).mp,pt.

21 17 or 18 or 19 or 20 1232226

22 16 and 21 1691

23 limit 22 to ("all adult (19 plus years)" or "young adult (19 to 24 years)" or "adult (19 to 44 years)" or "young adult and adult (19-24 and 19-44)" or "middle age (45 to 64 years)" or "middle aged (45 plus years)" or "all aged (65 and over)" or "aged (80 and over)"") [Limit not valid in CDSR,Embase; records were retained]

24 limit 23 to (adult <18 to 64 years> or aged <65+ years>) [Limit not valid in CDSR,Ovid MEDLINE(R); records were retained]

25 "preschool child (2 to 5 years)" or "child (6 to 12 years)" or "adolescent (13 to 18 years)" [Limit not valid in CDSR,Embase; records were retained]

26 school child <7 to 12 years> or adolescent <13 to 17 years> [Limit not valid in CDSR,Ovid MEDLINE(R); records were retained]
28 22 not 27
29 (exp animals/ or exp nonhuman/) not (exp humans/ or exp patient/)
   ((alpaca or alpacas or amphibian or amphibians or animal or animals or
   antelope or armadillo or armadillos or avian or baboon or baboons or
   beagle or beagles or bee or bees or bird or birds or bison or bovine or
   buffalo or buffaloes or buffalos or "c elegans" or "Caenorhabditis elegans"
   or camel or camels or canine or canines or carp or cats or cattle or chick
   or chicken or chickens or chicks or chimp or chimpanzee or chimpanzees
   or chimps or cow or cows or "D melanogaster" or "dairy call" or "dairy
   calves" or deer or dog or dogs or donkey or donkeys or drosophila or
   "Drosophila melanogaster" or duck or duckling or ducklings or ducks or
   equid or equids or equine or equines or feline or felines or ferret or ferrets
   or finch or finches or fish or flatworm or flatworms or fox or foxes or frog
   or frogs or "fruit flies" or "fruit fly" or "G mellonella" or "Galleria mellonella"
   or geese or gerbil or gerbils or goat or goats or goose or gorilla or gorillas
   or hamster or hamsters or hare or hares or heifer or heifers or horse or
   horses or insect or insects or jellyfish or kangaroo or kangaroos or kitten
   or kittens or lagomorph or lagomorphs or lamb or lambs or lemur or
   lemurs or llama or llamas or macaque or macaques or macaw or macaws
   or marmoset or marmosets or mice or minipig or minipigs or mink or
   minks or monkey or monkeys or mouse or mule or mules or nematode or
   nematodes or octopus or octopuses or orangutan or "orang-utan" or
   orangutans or "orang-utans" or ostrich or ostriches or oxen or parrot or
   parrots or pig or pigeon or pigeons or piglet or piglets or pigs or porcine
   or primate or primates or quail or rabbit or rabbits or rat or rats or reptile
   or reptiles or rodent or rodents or ruminant or ruminants or salmon or
   sheep or shrimp or slug or slugs or swine or tamarin or tamarins or toad
   or toads or trout or urchin or urchins or vole or voles or waxworm or
   waxworms or wildlife or worm or worms or xenopus or "zebra fish" or
   zebrafish) not (human or humans or patient or patients)).ti,ab,hw,kf.
30 28 not (29 or 30)
31 28 not 29 (29 or 30)
   limit 31 to (editorial or erratum or note or addresses or autobiography or
   bibliography or biography or blogs or comment or dictionary or directory
   or interactive tutorial or interview or lectures or legal cases or legislation
   or news or newspaper article or overall or patient education handout or
   periodical index or portraits or published erratum or video-audio media or
   webcasts) [Limit not valid in CDSR,Embase,Ovid MEDLINE(R); records
   were retained]
32 from 32 keep 1-20
33 (31 not 32) or 33
34 33 remove duplicates from 34
   1674
   12261506
   10442513
   1660
   47
   20
   1633
   1235
1 TITLE-ABS-KEY((electric or electro* or wire or wires or "spinal cord" or spinal or epidural or "dorsal column" or tonic or burst or "high-frequency" or "dorsal root ganglion" or "peripheral nerv*" OR PNS OR PN or peripheral) W/3 (stimulat* OR electrostimulat* OR electrostimulation* OR electrostimulus OR electrotherap* OR "E-stim" OR ESTIM OR galvanostimulation* OR galvanostimulus OR neuromodulat* OR Neuromodulation OR neuromodulatory OR neurostimulat*)) OR (multifidus and (stimulat* OR electrostimulat* OR electrostimulation* OR electrostimulus OR electrotherap* OR "E-stim" OR ESTIM OR galvanostimulation* OR galvanostimulus OR neuromodulat* OR Neuromodulation OR neuromodulatory OR neurostimulat*)) OR (non-crisis* or noncrisis or chronic* or widespread) W/5 pain*) OR ((CNLBP or LBP or NLBP) and pain*) OR (FBSS and back) OR "Alice in Wonderland Syndrome" OR Angina OR "angor pectoris" OR "atypical neuralgia" OR "atypical neuralgias" OR "back ache" OR "back pain" OR backache OR backpack OR cephalalgia OR cephaelea OR cephalgia OR cephalodynia OR "cerebral pain" OR "chronic intractable pain" OR "chronic pain" OR "cranial pain" OR cranialgia OR "discogenic pain" OR "diskogenic pain" OR "dorsalgia" OR "failed back surgery" OR "head ache" OR "head pain" OR headache OR hemicrania OR "inflammator* pain OR "ischemic pain" OR "leg pain" OR lumbago OR migraine OR "migrainous" OR "Morton Neuroma" OR "nerve pain" OR "nervegia*" OR "neurodynia" OR "neuropathic pain" OR "nociceptive pain" OR "noncrisis pain" OR "non-crisis pain" OR "paroxysmal nerve pain" OR "Piriformis Muscle Syndrome" OR Sciatica OR "somatic pain" OR "status hemicranicus" OR stenocardia OR "stump neuralgia" OR "sunt syndrome" OR "tissue pain" OR "vertebrogenic pain syndrome" OR "Visceral Pain" OR "widespread pain")

2 TITLE-ABS-KEY(Meta W/1 analys*) or (systematic* W/3 review*)

3 TITLE-ABS-KEY(newborn* or neonat* or infant* or toddler* or child* or adolescent* or paediatric* or pediatric* or girl or girls or boy or boys or teen or teens or teenager* or preschooler* or "pre-schooler" or preteen or preteens or "pre-teen" or "pre-teens" or youth or youths) AND NOT TITLE-ABS-KEY(adult OR adulthood OR adults OR centenarian* OR elderly OR geriatric* OR "middle age" OR "middle aged" OR nonagenarian* OR octogenarian* OR "old adult" OR "old people" OR "old person" OR "older adult" OR "older people" OR "older person" OR septuagenarian* OR Sextenarian* OR "very old")

4 and not 5

5 TITLE-ABS-KEY(alpaca OR alpacas OR amphibian OR amphibians OR animal OR animals OR antelope OR armadillo OR armadillos OR avian OR baboon OR baboons OR beagle OR beagles OR bee OR bees OR bird OR birds OR bison OR bovine OR buffalo OR buffaloes OR buffalos OR "c elegans" OR "Caenorhabditis elegans" OR camel OR camels OR canine OR canines OR carp OR cats OR cat OR chick OR chicken OR chickens OR chicks OR chimp OR chimpanzee OR chimpanzees OR chimps OR cow OR cows OR "D melanogaster" OR "dairy call" OR "dairy calves" OR deer OR dog OR dogs OR donkey OR donkeys OR drosophila OR "Drosophila melanogaster" OR duck OR duckling OR ducklings OR ducks OR equid OR equids OR equine OR equines OR feline OR felines OR ferret OR ferrets OR finch OR finches OR fish OR flatworm OR flatworms OR fox OR foxes OR frog OR frogs OR "fruit flies" OR "fruit fly" OR "G mellonella" OR "Galleria mellonella" OR geese OR gerbil OR gerbils OR goat OR goats OR goose OR gorilla OR gorillas OR hamster OR hamsters OR hare OR hares

Scopus
OR heifer OR heifers OR horse OR horses OR insect OR insects OR jellyfish OR kangaroo OR kangaroos OR kitten OR kittens OR lagomorph OR lagomorphs OR lamb OR lambs OR llama OR llamas OR macaque OR macaques OR macaw OR macaws OR marmoset OR marmosets OR mice OR minipig OR minipigs OR mink OR minks OR monkey OR monkeys OR mouse OR mule OR mules OR nematode OR nematodes OR octopus OR octopuses OR orangutan OR “orang-utan” OR orangutans OR “orang-utans” OR oxen OR parrot OR parrots OR pig OR pigeon OR pigeons OR piglet OR piglets OR pigs OR porcine OR primate OR primates OR quail OR rabbit OR rabbits OR rat OR rats OR reptile OR reptiles OR rodent OR rodents OR ruminant OR ruminants OR salmon OR sheep OR shrimp OR slug OR slugs OR swine OR tamarin OR tamarins OR toad OR toads OR trout OR urchin OR urchins OR vole OR voles OR waxworm OR waxworms OR worm OR worms OR xenopus OR "zebra fish" OR zebrafish) AND NOT (human OR humans or patient or patients))