

**Table S2.** The electronic searches across Embase<sup>®</sup>, Cochrane, and MEDLINE<sup>®</sup> In-Process for the current update conducted for the time frame beginning January 23, 2018 until October 16, 2018.

| #   | Embase <sup>®</sup> Search History                                                                                                    | Results |
|-----|---------------------------------------------------------------------------------------------------------------------------------------|---------|
| #1  | 'clinical trial'/exp                                                                                                                  | 1343290 |
| #2  | 'randomization'/de                                                                                                                    | 79291   |
| #3  | 'controlled study'/de                                                                                                                 | 6195103 |
| #4  | 'comparative study'/de                                                                                                                | 797315  |
| #5  | 'single blind procedure'/de                                                                                                           | 32612   |
| #6  | 'double blind procedure'/de                                                                                                           | 153400  |
| #7  | 'crossover procedure'/de                                                                                                              | 56542   |
| #8  | 'placebo'/de                                                                                                                          | 329899  |
| #9  | 'clinical trial' OR 'clinical trials'                                                                                                 | 1599985 |
| #10 | 'controlled clinical trial' OR 'controlled clinical trials'                                                                           | 455309  |
| #11 | 'randomised controlled trial' OR 'randomized controlled trial' OR<br>'randomised controlled trials' OR 'randomized controlled trials' | 710781  |
| #12 | 'randomisation' OR 'randomization' OR random*                                                                                         | 1534279 |
| #13 | rct                                                                                                                                   | 33555   |
| #14 | 'random allocation' OR 'random assignment'                                                                                            | 4513    |
| #15 | 'randomly allocated' OR 'randomly assigned'                                                                                           | 144613  |
| #16 | 'allocated randomly' OR 'assigned randomly'                                                                                           | 7882    |

| #   | Embase® Search History                                                                                                                                                                                                          | Results |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| #17 | (allocated NEAR/2 random) OR (assign* NEAR/2 random*) OR randomi*                                                                                                                                                               | 1109502 |
| #18 | (single OR double OR triple OR treble) NEAR/1 (blind* OR mask*)                                                                                                                                                                 | 278418  |
| #19 | placebo*                                                                                                                                                                                                                        | 425131  |
| #20 | 'prospective study'/de                                                                                                                                                                                                          | 472281  |
| #21 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20                                                                                                 | 8591325 |
| #22 | 'case study'/de                                                                                                                                                                                                                 | 56110   |
| #23 | 'case report'                                                                                                                                                                                                                   | 2393306 |
| #24 | 'abstract report'/de                                                                                                                                                                                                            | 89741   |
| #25 | 'letter'/de                                                                                                                                                                                                                     | 978651  |
| #26 | #22 OR #23 OR #24 OR #25                                                                                                                                                                                                        | 3311538 |
| #27 | #21 NOT #26                                                                                                                                                                                                                     | 8387001 |
| #28 | 'chronic obstructive lung disease'/syn OR 'chronic bronchitis'/syn OR 'emphysema'/syn OR ((chronic* NEAR/3 bronchiti*):ab,ti) OR ((obstruct* NEAR/3 (pulmonary OR lung* OR airway* OR airflow* OR bronch* OR respirat*)):ab,ti) | 226375  |
| #29 | 'inhaled corticosteroids' OR ((steroid* OR glucocorticoid* OR corticosteroid*) NEAR/3 inhal*) OR ics:ab,ti                                                                                                                      | 37954   |

| #   | Embase® Search History                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Results |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| #30 | 'triamcinolone'/syn OR triaderm OR trilone OR tristoject OR tricortone<br>OR azmacort OR ultrahaler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 35241   |
| #31 | 'betamethasone'/syn OR 'mometasone'/syn OR qab149 OR twisthaler OR<br>'fluticasone'/syn OR flunase OR thoreus OR atemur OR flixonase OR<br>flutivate OR flutinas OR flovent OR flonase OR flixotide OR accuhaler<br>OR diskhaler OR diskus OR surehaler OR rotadisk OR nebules OR<br>allermist OR avamys OR veramyst OR 'budesonide'/syn OR activaero<br>OR budenobronch OR giona OR modulite OR nebuamp OR respules OR<br>obucort OR swinghaler OR flexhaler OR easyhaler OR<br>'beclometasone'/syn OR clickhaler OR aerobec OR aerocort OR asmabec<br>OR beclazone OR beclojet OR beclomet OR becloturmant OR ventolair<br>OR clenil OR pulvinal OR ecobec OR sanasthmax OR junik OR qvar OR<br>'flunisolide'/syn OR flunitec OR nisolid OR 'ciclesonide'/syn OR omnair<br>OR zetonna OR ultrahaler OR 'dexamethasone cipeclate'/syn | 65476   |
| #32 | 'beta adrenergic receptor stimulating agent'/de OR (bronchodilat*<br>NEAR/2 'long acting') OR laba:ab,ti OR (((beta* NEXT/2 (agonist* OR<br>adrenergic*)) OR 'β2 agonist') AND 'long acting')                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 28551   |
| #33 | 'salmeterol'/syn OR accuhaler OR aeromax OR diskhaler OR diskus OR<br>salmetador OR serevent OR serobid OR ultrabeta OR 'formoterol'/syn<br>OR aformoterol OR certihaleri OR aerolizer OR atimos OR atock OR<br>brovana OR foradil OR foradile OR forair OR fordilen OR innovata OR<br>perforomist OR oxese OR turbuhaler OR novolizer OR orion OR<br>skyhaler OR 'bambuterol'/syn OR 'indacaterol'/syn OR breezhaler OR                                                                                                                                                                                                                                                                                                                                                                                                               | 27897   |

| #   | Embase® Search History                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Results |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|     | neohaler OR 'olodaterol'/syn OR 'abediterol'/syn OR 'clenbuterol'/syn OR 'vilanterol'/syn OR 'arformoterol'/syn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |
| #34 | 'muscarinic receptor blocking agent'/de OR (((anti NEAR/2 musca*) OR (musca* NEAR/2 antagonist*)) AND 'long acting')                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8925    |
| #35 | 'tiotropium bromide'/syn OR handihaler OR respimat OR taifun OR 'aclidinium bromide'/syn OR 'oxitropium bromide'/syn OR tersigan OR ventox OR 'glycopyrronium bromide'/syn OR vectura OR 'umeclidinium'/syn OR pt00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 13350   |
| #36 | 'fluticasone furoate plus vilanterol'/syn OR 'budesonide plus formoterol'/syn OR turb?haler OR rilast OR vannair OR foracort OR 'fluticasone propionate plus salmeterol'/syn OR foxair OR seretide OR atmadisc OR accuhaler OR evohaler OR diskus OR 'formoterol fumarate plus mometasone furoate'/syn OR zenhale OR 'fluticasone propionate plus formoterol fumarate'/syn OR 'beclometasone dipropionate plus formoterol fumarate'/syn OR innovair OR foster OR modulite OR 'beclometasone/formoterol' OR 'mometasone plus indacaterol' OR 'qmf 149' OR (mometasone NEAR/2 indacaterol) OR pt003 OR (formoterol NEAR/2 (glycopyrrolate OR glycopyrronium)) OR 'umeclidinium plus vilanterol'/syn OR pt010 OR 'azd 5423' OR 'benralizumab'/syn OR 'roflumilast'/syn OR triohale OR 'rolipram'/syn OR 'cilomilast'/syn OR 'oglemilast'/syn OR 'arofylline'/syn OR 'etazolate'/syn OR 'phosphodiesterase iv inhibitor'/syn OR gsk961081 OR 'gsk 961081' OR 'td 5959' OR 'thrx 198321' OR 'las 190792' OR las190792 OR 'gsk 256066'/syn OR 'glycopyrronium bromide plus indacaterol'/syn | 82234   |

| #   | Embase® Search History                                                                                                                   | Results |
|-----|------------------------------------------------------------------------------------------------------------------------------------------|---------|
| #37 | #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36                                                                                     | 238067  |
| #38 | #27 AND #28 AND #37                                                                                                                      | 10928   |
| #39 | #27 AND #28 AND #37 AND [animals]/lim                                                                                                    | 666     |
| #40 | #27 AND #28 AND #37 AND ([conference review]/lim OR [editorial]/lim OR [letter]/lim OR [note]/lim OR [review]/lim OR [short survey]/lim) | 2761    |
| #41 | #39 OR #40                                                                                                                               | 3378    |
| #42 | #38 NOT #41                                                                                                                              | 7550    |
| #43 | #42 AND [23-1-2018]/sd NOT [16-10-2018]/sd                                                                                               | 610     |

| #  | Cochrane Search History (searched through Cochrane library interface)                           | Results |
|----|-------------------------------------------------------------------------------------------------|---------|
| #1 | MeSH descriptor: [Pulmonary Disease, Chronic Obstructive] explode all trees                     | 4588    |
| #2 | MeSH descriptor: [Bronchitis, Chronic] explode all trees                                        | 142     |
| #3 | MeSH descriptor: [Emphysema] explode all trees                                                  | 187     |
| #4 | (chronic* near/3 bronchiti*):ti,ab,kw                                                           | 1744    |
| #5 | (emphysema* or copd or coad):ti,ab,kw                                                           | 12848   |
| #6 | (obstruct* near/3 (pulmonary or lung* or airway* or airflow* or bronch* or respirat*)):ti,ab,kw | 14451   |
| #7 | #1 or #2 or #3 or #4 or #5 or #6                                                                | 20512   |

| #   | Cochrane Search History (searched through Cochrane library interface)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Results |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| #8  | inhaled corticosteroids or (steroid* or glucocorticoid* or corticosteroid*)<br>near/3 inhal* or ics:ti,ab,kw                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 35538   |
| #9  | MeSH descriptor: [Triamcinolone] explode all trees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1196    |
| #10 | triaderm or trilone or tristoject or tricortone or azmacort or ultrahaler or<br>cetocot or adcortyl or aristocort or aristodan or azmacor or celeste or "cl<br>19823" or cl19823 or clinacort or clinalog or delphicort or<br>fluoxiprednisolone or fluoxyprednisolone or "ken-jec 40" or kenacort or<br>korticoid or ledercort or omcilon or polcortolon or "rp 8357" or rp8357 or<br>simacort or sterocort or "tac 3" or triamcinolon* or triacortyl or triam-a or<br>triam-forte or triamcort or "triamonide 40" or triamsicort or triancinolon<br>or u-tri-lone or volon | 2591    |
| #11 | MeSH descriptor: [Betamethasone] explode all trees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1342    |
| #12 | betametaso* or bethametaso* or betamethaso* or bethamethso* or<br>adbeon or becasone or benoson or beprogel or betacortril or<br>betadexamethasone or betamethazone or betason or betnasol or betnelan<br>or betnesol or "betnovate a" or betsolon or betsoport or celestan or<br>celeston* or cidoten or dermobet or diprolen or flubenisolone or<br>methasone or "nsc 39470" or nsc39470 or "rg 833" or rg833 or rinderon<br>or "sch 4831" or sch4831 or walacort                                                                                                          | 2223    |
| #13 | mometasone or mometaid or "qab149" or twisthaler or "allermex<br>aqueous" or asmanex or dermotasone or dermovel or ecural or elica or<br>elocom or elocon or elomet or eloson or flumeta or mefurosan or<br>metaspray or momate or mometasone or monovel or morecort or                                                                                                                                                                                                                                                                                                      | 1067    |

| #   | Cochrane Search History (searched through Cochrane library interface)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Results |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|     | motaderm or nasonex or novasone or rinelon or rivelon or "sch 32088" or sch32088 or uniclar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |
| #14 | fluticasone or flutaide or flixovate or flunase or thoreus or atemur or flixonase or flutivate or flutinase or flovent or flonase or flixotide or accuhaler or diskhaler or diskus or surehaler or rotadisk or reohaler or nebulas or allermist or avamys or veramyst or furamist or 685698                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4858    |
| #15 | MeSH descriptor: [Budesonide] explode all trees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1648    |
| #16 | activaero or budenobronch or giona or modulite or nebuamp or respules or obucort or swinghaler or flexhaler or turbuhaler or easyhaler or allercort or aquacort or budecol or budecort or budefat or budeflam or "budenase aq" or budenoside or budes or budeson or budiair or "budicort respules" or budon or bunase or butacort or clebudan or cycortide or "desona nasal" or dexbudesonide or duasma or eltair or entocort or esonide or "giona easyhaler" or inflammide or inflanaze or "map 0010" or map0010 or miflonide or neo-rinactive or novopulmon or numark or olfex or preferid or pulmaxan or pulmicon susp for nebulizer or pulmicort or pulmoliseflam or pulmotide or respicort or rhinocort or "s 1320" or s1320 or spirocort or uceris | 1504    |
| #17 | MeSH descriptor: [Beclomethasone] explode all trees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1071    |
| #18 | clickhaler or aerobec or aerocort or asmabec or beclazone or beclojet or beclomet or becloturmant or ventolair or clenil or pulvinal or ecobec or sanasthmax or junik or qvar or beclomethasone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2216    |
| #19 | flunisolide or flunitec or nisolid or rinhaler or aerobid or "aerobid m" or aerospan or "aerospan hfa" or bronalide or bronilide or cyntaris or flunitec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 297     |

| #   | Cochrane Search History (searched through Cochrane library interface)                                                                                                                                                                       | Results |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|     | or gibiflu or inhacort or locasyn or lokilan or "lunibron a" or lunis or nasalide or nasarel or rhinalar or "rs 3999" or rs3999 or sanergal or synaclyn or syntaris or "val 679" or val679                                                  |         |
| #20 | ciclesonide or omnair or zetonna or tbn15 or "tbn 15" or ultrahaler or alvesco or "b 9207 015" or "b 9207015" or "b9207 015" or b9207015 or "by 9010" or by9010 or omnaris or zetonna                                                       | 487     |
| #21 | MeSH descriptor: [Dexamethasone] explode all trees                                                                                                                                                                                          | 3775    |
| #22 | erizas or st126 or "st 126" or "ns 126" or "ns 126c" or ns126 or ns126c                                                                                                                                                                     | 2       |
| #23 | MeSH descriptor: [Adrenergic beta-2 Receptor Agonists] explode all trees                                                                                                                                                                    | 378     |
| #24 | bronchodilat* near/2 "long acting" or laba:ti,ab,kw or (beta* next/2 (agonist* or adrenergic*) or "β2 agonist" and "long acting")                                                                                                           | 10793   |
| #25 | salmeterol or accuhaler or aeromax or diskhaler or diskus or salmetador or serevent or serobid or ultrabeta or perforomist or beglan or "gr 33343x"                                                                                         | 3229    |
| #26 | formoterol or aformoterol or certihaleri or aerolizer or atimos or atock or brovana or foradil or foradile or forair or fordilen or innovata or perforomist or oxese or turbuhaler or novolizer or orion or skyhaler or eformoterol or oxis | 3424    |
| #27 | bambuterol or levobambuterol or laevobambuterol or rbambuterol or "r bambuterol" or bambec or oxeol                                                                                                                                         | 73      |
| #28 | indacaterol or breezhaler or neohaler or arcapta or "hirobriz breezhaler" or onbrez or onbrez breezhaler or "oslif breezhaler" or "qab 149" or qab149                                                                                       | 627     |

| #   | Cochrane Search History (searched through Cochrane library interface)                                                                                                                                                                                                                                               | Results |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| #29 | olodaterol or respimat or "bi 1744" or "bi 1744 cl" or bi1744                                                                                                                                                                                                                                                       | 611     |
| #30 | abediterol or "las 100977" or las100977                                                                                                                                                                                                                                                                             | 42      |
| #31 | clenbuterol or clenasma or clenbutol or contrasmina or contraspasmin or monores or "nab 365" or novegan or "p 5369" or planipart or prontovent or spiropent or ventipulmin or ventolase                                                                                                                             | 142     |
| #32 | vilanterol or "gsk 642444" or gsk642444 or "gw 642444" or gw642444                                                                                                                                                                                                                                                  | 439     |
| #33 | Arformoterol or brovana                                                                                                                                                                                                                                                                                             | 67      |
| #34 | MeSH descriptor: [Clenbuterol] explode all trees                                                                                                                                                                                                                                                                    | 43      |
| #35 | MeSH descriptor: [Muscarinic Antagonists] explode all trees                                                                                                                                                                                                                                                         | 813     |
| #36 | anti near/2 musca* or musca* near/2 antagon* and "long acting"                                                                                                                                                                                                                                                      | 1475    |
| #37 | tiotropium or handihaler or respimat or tiova or taifun or "ba 679 br" or "ba679 br" or spiriva or "tiova rotacaps"                                                                                                                                                                                                 | 1931    |
| #38 | aclidinium or bretaris or eklira or "las 34273" or las34273 or tudorza                                                                                                                                                                                                                                              | 287     |
| #39 | oxitropium or tersigan or pulsigan or ventox or "ba 253" or "ba 253 br" or ba253 or "ba253 br" or oxivent or oxytropium or tersigat or ventilat                                                                                                                                                                     | 220     |
| #40 | MeSH descriptor: [Glycopyrrolate] explode all trees                                                                                                                                                                                                                                                                 | 365     |
| #41 | glycopyrronium or vectura or "ad 237" or ad237 or "ahr 504" or ahr504 or cuvposa or enurev or gastrodyn or glersa or glycopyrrolate or glycopyrronium or mobinul or nodapton or "nva 237" or nva237 or robinal or robinol or robinul or "robinul v" or seebri or sroton or strodin or tarodyl or tarodyn or tovanor | 1506    |

| #   | Cochrane Search History (searched through Cochrane library interface)                                                                                                                                                                                                                                                                                          | Results |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| #42 | umeclidinium or sk-573719 or gsk-573719a or "gsk 573719" or "gsk 573719a" or gsk573719 or gsk573719a or incruce                                                                                                                                                                                                                                                | 273     |
| #43 | fluticasone furoate plus vilanterol or "vilanterol plus fluticasone" or breo or "breo ellipta" or relovair or relvar or "relvar ellipta" or "revinty ellipta"                                                                                                                                                                                                  | 104     |
| #44 | budesonide plus formoterol or turbuhaler or turbohaler or rilast or vannair or budoxis or foracort or multihaler or "biresp spiromax" or "budesonide-formoterol" or "budesonide" NEAR/2 "formoterol" or "duoresp spiromax" or "formoterol plus budesonide" or "symbicort"                                                                                      | 1867    |
| #45 | fluticasone propionate plus salmeterol or foxair or seretide or atmadisc or accuhaler or evohaler or diskus or advair or atmadisc or fluticasone-salmeterol or "fluticasone propionate-salmeterol combination" or "fluticasone propionate salmeterol combination" or "fluticasone salmeterol" or "salmeterol plus fluticasone propionate" or viani             | 1312    |
| #46 | formoterol fumarate plus mometasone furoate or zenhale or dulera or "formoterol fumarate-mometasone furoate" or "formoterol fumarate and mometasone furoate" or "formoterol fumarate" NEAR/2 "mometasone furoate" or "mometasone furoate-formoterol fumarate" or "mometasone furoate and formoterol fumarate" or "mometasone furoate plus formoterol fumarate" | 50      |
| #47 | fluticasone propionate plus formoterol fumarate or avessa or flofera or flutiform or flutiformo or "formoterol fumarate plus fluticasone propionate" or iffeza                                                                                                                                                                                                 | 96      |
| #48 | beclometasone dipropionate plus formoterol fumarate or innovair or foster or modulite or "formoterol fumarate dihydrate plus beclometasone                                                                                                                                                                                                                     | 3572    |

| #   | Cochrane Search History (searched through Cochrane library interface)                                                                                                                                                                                             | Results |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|     | dipropionate" or "formoterol fumarate plus beclometasone dipropionate" or fostair or inuvair or kantos or "beclomethasone" NEAR/2 "formoterol"                                                                                                                    |         |
| #49 | PT003                                                                                                                                                                                                                                                             | 40      |
| #50 | mometasone plus indacaterol or "QMF 149" or QMF149 or "mometasone" NEAR/2 "indacaterol"                                                                                                                                                                           | 31      |
| #51 | formoterol NEAR/2 (glycopyrrolate or glycopyrronium) or "umeclidinium plus vilanterol" or anoro or "anoro ellipta" or laventair or "umeclidinium-vilanterol" or "vilanterol-umeclidinium" or "vilanterol plus umeclidinium" or "vilanterol" NEAR/2 "umeclidinium" | 231     |
| #52 | PT010 or AZD5423 or "AZD 5423" or "benralizumab" or "medi 563" or medi563 or MEDI8969 or AZD2115                                                                                                                                                                  | 131     |
| #53 | MeSH descriptor: [Phosphodiesterase 4 Inhibitors] explode all trees                                                                                                                                                                                               | 76      |
| #54 | MeSH descriptor: [Rolipram] explode all trees                                                                                                                                                                                                                     | 10      |
| #55 | MeSH descriptor: [Etazolate] explode all trees                                                                                                                                                                                                                    | 2       |
| #56 | roflumilast or triohale or "by 217" or by217 or daliresp or daxas or libertek                                                                                                                                                                                     | 312     |
| #57 | zk 62711 or "zk 62771" or zk62711 or zk62771                                                                                                                                                                                                                      | 2       |
| #58 | cilomilast or ariflo or "sb 207499" or sb207499 or oglemilast or "grc 3886" or grc3886 or arofylline or "las 31025" or las31025 or etazolate or "sq 20009"                                                                                                        | 73      |
| #59 | GSK961081 or "GSK 961081" or "td 5959" or td5959 or "thrx 198321" or thrx198321 or "las 190792" or las190792 or "gsk 256066" or "sk-                                                                                                                              | 461     |

| #   | Cochrane Search History (searched through Cochrane library interface)                                                                                                                                                                                                                                                                                                  | Results |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|     | 256066" or "gsk-256066b" or "gsk 256066b" or gsk256066 or gsk256066b or "glycopyrronium bromide plus indacaterol" or "indacaterol plus glycopyrronium" or "qva 149" or "qva 149a" or qva149 or qva149a or ultibro or ulunar or breezhaler or xoterna or "glycopyrronium" NEAR/2 "indacaterol"                                                                          |         |
| #60 | #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #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 or #50 or #51 or #52 or #53 or #54 or #55 or #56 or #57 or #58 or #59 | 63286   |
| #61 | #7 and #60                                                                                                                                                                                                                                                                                                                                                             | 5956    |
| #62 | #61 with Publication Year from 2018 to 2018, in Trials                                                                                                                                                                                                                                                                                                                 | 152     |

| #  | MEDLINE® InProcess Search History (searched through PubMed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Results |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| #1 | ((((random* OR RCT OR randomised OR randomized OR randomisation OR randomization OR "placebo controlled" OR "randomised controlled trial" OR "randomized controlled trial" OR "randomised controlled trials" OR "randomized controlled trials" OR "randomly allocated" OR "randomly assigned" OR (single OR double OR triple OR treble) AND NEAR/1 AND (blind* OR mask*) OR "clinical trial") OR "post hoc") AND (((("inhaled corticosteroids" OR ics) OR (triamcinolone OR triaderm OR trilone OR tristoject OR tricortone OR azmacort OR ultrahaler OR cetocot OR adcortyl OR aristocort OR aristodan OR azmacor OR celeste | 42      |

OR "cl 19823" OR cl19823 OR clinacort OR clinalog OR delphicort OR fluoxiprednisolone OR fluoxyprednisolone OR "ken-jec 40" OR kenacort OR korticoid OR ledercort OR omcilon OR polcortolon OR "rp 8357" OR rp8357 OR simacort OR sterocort OR "tac 3" OR triamcinolon\* OR triacortyl OR triam-a OR triam-forte OR triamcort OR "triamonide 40" OR triamsicort OR triancinolon OR u-tri-lone OR volon) OR (betamethasone OR betametaso\* OR bethametaso\* OR betamethaso\* OR bethamethso\* OR adbeon OR becasone OR benoson OR beprogel OR betacortril OR betadexamethasone OR betamethazone OR betason OR betnasol OR betnelan OR betnesol OR "betnovate a" OR betsolon OR betsoport OR celestan OR celeston\* OR cidoten OR dermobet OR diprolen OR flubenisolone OR methasone OR "nsc 39470" OR nsc39470 OR "rg 833" OR rg833 OR rinderon OR "sch 4831" OR sch4831 OR walacort) OR (mometasone OR mometaid OR "qab149" OR twisthaler OR "allermix aqueous" OR asmanex OR dermotasone OR dermovel OR ecural OR elica OR elocom OR elocon OR elomet OR eloson OR flumeta OR mefurosan OR metaspray OR momate OR mometasone OR monovel OR morecort OR motaderm OR nasonex OR novasone OR rinelon OR rivelon OR "sch 32088" OR sch32088 OR uniclar) OR (fluticasone OR flutaide OR flixovate OR flunase OR thoreus OR atemur OR flixonase OR flutivate OR flutinase OR flovent OR flonase OR flixotide OR accuhaler OR diskhaler OR diskus OR surehaler OR rotadisk OR reohaler OR nebules OR allermist OR avamys OR veramyst OR furamist OR 685698) OR (budesonide OR activaero OR budenobronch OR giona OR modulite OR nebuamp OR respules OR obucort OR swinghaler OR flexhaler OR turbuhaler OR easyhaler OR allercort OR aquacort OR budecol OR budecort OR budefat OR budeflam OR "budenase aq" OR

budenoside OR budes OR budeson OR budiair OR "budicort respules"  
 OR budon OR bunase OR butacort OR clebudan OR cycortide OR  
 "desona nasal" OR dexbudesonide OR duasma OR eltair OR entocort OR  
 entocort ec OR esonide OR giona easyhaler OR inflammide OR inflanaze  
 OR map 0010 OR map0010 OR miflonide OR miflonide inhaler OR neo-  
 rinactive OR novopulmon OR numark OR olfex OR olfex bucal OR  
 preferid OR pulmaxan OR pulmicon susp for nebulizer OR pulmicort OR  
 pulmoliseflam OR pulmotide OR respicort OR rhinocort OR rhinocort  
 aqua OR rhinocort aqueous OR rhinocort hayfever OR "s 1320" OR s1320  
 OR spirocort OR uceris) OR (beclometasone OR clickhaler OR aerobec  
 OR aerocort OR asmabec OR beclazone OR beclojet OR beclomet OR  
 becloturmant OR ventolair OR clenil OR pulvinal OR ecobec OR  
 sanasthmax OR junik OR qvar OR beclomethasone) OR (flunisolide OR  
 flunitec OR nisolid OR rinhaler OR aerobid OR "aerobid m" OR aerospan  
 OR "aerospan hfa" OR bronalide OR bronilide OR cyntaris OR flunitec  
 OR gibiflu OR inhacort OR locasyn OR lokilan OR "lunibron a" OR lunis  
 OR nasalide OR nasarel OR rhinalar OR "rs 3999" OR rs3999 OR  
 sanergal OR synaclyn OR syntaris OR "val 679" OR val679) OR  
 (ciclesonide OR omnair OR zetonna OR tbn15 OR "tbn 15" OR ultrahaler  
 OR alvesco OR "b 9207 015" OR "b 9207015" OR "b9207 015" OR  
 b9207015 OR "by 9010" OR by9010 OR omnaris OR zetonna) OR  
 (dexamethasone OR erizas OR st126 OR "st 126" OR "ns 126" OR "ns  
 126c" OR ns126 OR ns126c) OR ("beta adrenergic receptor stimulating  
 agent") OR (bronchodilat\* AND "long acting") OR  
 ("LABA"[Title/Abstract]) OR ((beta\* AND (agonist\* OR adrenergic\*))  
 OR "beta2 agonist") AND "long acting") OR (salmeterol OR accuhaler  
 OR aeromax OR diskhaler OR diskus OR salmetador OR serevent OR

serobid OR ultrabeta OR perforomist OR beglan OR "gr 33343x") OR  
 (formoterol OR aformoterol OR certihaleri OR aerolizer OR atimos OR  
 atock OR brovana OR foradil OR foradile OR forair OR fordilen OR  
 innovata OR perforomist OR oxese OR turbuhaler OR novolizer OR orion  
 OR skyhaler OR eformoterol OR axis) OR (bambuterol OR  
 levobambuterol OR laevobambuterol OR rbambuterol OR "r bambuterol"  
 OR bambec OR oxeol) OR (indacaterol OR breezhaler OR neohaler OR  
 arcapta OR "hirobriz breezhaler" OR onbrez OR onbrez breezhaler OR  
 "oslif breezhaler" OR "qab 149" OR qab149) OR (olodaterol OR respimat  
 OR "bi 1744" OR "bi 1744 cl" OR bi1744) OR (abediterol OR "las  
 100977" OR las100977) OR (clenbuterol OR clenasma OR clenbutol OR  
 contrasmina OR contraspasmin OR monores OR "nab 365" OR novegan  
 OR "p 5369" OR planipart OR prontovent OR spiropent OR ventipulmin  
 OR ventolase) OR (vilanterol OR "gsk 642444" OR gsk642444 OR "gw  
 642444" OR gw642444) OR (Arformoterol OR brovana) OR ("muscarinic  
 receptor blocking agent") OR (((anti AND musca\*) OR (musca\* AND  
 antagon\*)) AND "long acting") OR (tiotropium OR handihaler OR  
 respimat OR tiova OR taifun OR "ba 679 br" OR "ba679 br" OR spiriva  
 OR "tiova rotacaps") OR (aclidinium OR bretaris OR eklira OR "las  
 34273" OR las34273 OR tudorza) OR (oxitropium OR tersigan OR  
 pulsigan OR ventox OR "ba 253" OR "ba 253 br" OR ba253 OR "ba253  
 br" OR oxivent OR oxytropium OR tersigat OR ventilat) OR  
 (glycopyrronium OR vectura OR "ad 237" OR ad237 OR "ahr 504" OR  
 ahr504 OR cuvposa OR enurev OR gastrodyn OR glersa OR  
 glycopyrrolate OR glycopyrronium OR mobinul OR nodapton OR "nva  
 237" OR nva237 OR robinal OR robinol OR robinul OR "robinul v" OR  
 seebri OR sroton OR strodin OR tarodyl OR tarodyn OR tovanor) OR

(umeclidinium OR sk-573719 OR gsk-573719a OR "gsk 573719" OR "gsk 573719a" OR gsk573719 OR gsk573719a OR incrusse) OR ("fluticasone furoate plus vilanterol" OR "vilanterol plus fluticasone" OR breo OR "breo ellipta" OR relovair OR relvar OR "relvar ellipta" OR "revinty ellipta") OR ("budesonide plus formoterol" OR turbuhaler OR turbohaler OR rilast OR vannair OR budoxis OR foracort OR multihaler OR "biresp spiromax" OR budesonide-formoterol OR budesonide/formoterol OR "duoresp spiromax" OR formoterol-budesonide OR "formoterol plus budesonide" OR formoterol/budesonide OR symbicort) OR ("fluticasone propionate plus salmeterol" OR foxair OR seretide OR atmadisc OR accuhaler OR evohaler OR diskus OR advair OR atmadisc OR fluticasone-salmeterol OR "fluticasone propionate - salmeterol combination" OR "fluticasone propionate salmeterol combination" OR "fluticasone salmeterol" OR "salmeterol plus fluticasone propionate" OR viani) OR ("formoterol fumarate plus mometasone furoate" OR zenhale OR dulera OR "formoterol fumarate-mometasone furoate" OR "formoterol fumarate and mometasone furoate" OR "formoterol fumarate/mometasone furoate" OR "mometasone furoate-formoterol fumarate" OR "mometasone furoate and formoterol fumarate" OR "mometasone furoate plus formoterol fumarate" OR mometasone furoate/formoterol fumarate) OR ("fluticasone propionate plus formoterol fumarate" OR avessa OR flofera OR flutiform OR flutiformo OR "formoterol fumarate plus fluticasone propionate" OR iffeza) OR ("beclometasone dipropionate plus formoterol fumarate" OR innovair OR foster OR modulite OR "formoterol fumarate dihydrate plus beclometasone dipropionate" OR "formoterol fumarate plus beclometasone dipropionate" OR fostair OR inuvair OR kantos OR

beclometasone/formoterol) OR (mometasone plus indacaterol AND "OR " AND QMF 149 AND "OR QMF149 OR " AND mometasone/indacaterol) OR (PT003) OR ((Formoterol) AND (glycopyrrolate OR glycopyrronium)) OR ("umeclidinium plus vilanterol" OR anoro OR "anoro ellipta" OR laventair OR "umeclidinium-vilanterol" OR umeclidinium/vilanterol OR "vilanterol-umeclidinium" OR "vilanterol plus umeclidinium" OR "vilanterol/umeclidinium" OR "umeclidinium/vilanterol") OR (PT010) OR (AZD5423 OR "AZD 5423") OR (MEDI8969) OR (AZD2115) OR (GSK961081 OR "GSK 961081" OR "td 5959" OR td5959 OR "thrx 198321" OR thrx198321 OR "las 190792" OR las190792 OR "gsk 256066" OR "sk-256066" OR "gsk-256066b" OR "gsk 256066b" OR gsk256066 OR gsk256066b OR "glycopyrronium bromide plus indacaterol" OR "indacaterol plus glycopyrronium" OR "qva 149" OR "qva 149a" OR qva149 OR qva149a OR ultibro OR ulunar OR breezhaler OR xoterna OR "glycopyrronium/indacaterol" OR indacaterol/glycopyrronium)) AND (("chronic obstructive lung disease") OR (("chronic bronchitis") OR emphysema) OR ((chronic\*) AND bronchiti\*) OR ((obstruct\*[Title/Abstract]) AND (pulmonary[Title/Abstract] OR lung\*[Title/Abstract] OR airway\*[Title/Abstract] OR airflow\*[Title/Abstract] OR bronch\*[Title/Abstract] OR respirat\*[Title/Abstract])))) AND (inprocess[sb] OR pubstatusaheadofprint[All Fields])