

## SUPPLEMENTARY MATERIALS 5: Search Strategies

### 2023 American College of Rheumatology (ACR)/American College of Chest Physicians (CHEST) Guideline for the Screening and Monitoring of Interstitial Lung Disease in People with Systemic Autoimmune Rheumatic Diseases

#### MEDLINE and Embase

Original searches were performed from the beginning of each database to August 1, 2022, and updated searches were later performed from July 31, 2022 to January 6, 2023.

ORIGINAL SEARCH: OVID MEDLINE(R) AND EPUB AHEAD OF PRINT, IN-PROCESS, IN-DATA REVIEW & OTHER NON-INDEXED CITATIONS, DAILY AND VERSIONS(R). SEARCHED FROM 1946 TO 5/3/21; UPDATED JULY 31, 2022 TO JANUARY 6, 2023

Ovid MEDLINE(R) ALL (Original Search: 1946 to 08/01/2022; Update: 01/06/2023)

Ovid Embase (Original Search: 1974 to 08/01/2022; Update: 01/06/2023)

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Ovid MEDLINE(R) ALL (Original Search: 1946 to 08/01/2022; Update: 01/06/2023)

- 1 ((OXYGEN or O2) adj2 (SATURATION or DESATURATION or SAT)).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 2 DESATURAT\*.ti,ab,kw.
- 3 1 or 2
- 4 AMBULAT\*.mp.
- 5 3 and 4
- 6 Bronchoscopy/
- 7 BRONCHOSCOPI\*.ti,ab,kw.
- 8 BRONCHO-ALVEOLAR LAVAGE.mp.
- 9 ((TRANSBRONCHIAL or TRANS BRONCHIAL) adj2 BIOPS\*).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword

heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

10 Biopsy/ and (TRANSBRONCHIAL or TRANS BRONCHIAL).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

11 or/6-10

12 Radiography, Thoracic/ or CXR.ti,ab,kw.

13 (RADIOGRAPHY/ or RADIOGRAPH\*.mp.) and (CHEST or THORAX or THORACIC).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

14 (X-Rays/ or XRAY.mp. or X-RAY.mp. or X RAY.mp.) and (CHEST or THORAX or THORACIC).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

15 or/12-14

16 (tomography, x-ray computed/ or four-dimensional computed tomography/ or single photon emission computed tomography computed tomography/ or tomography, spiral computed/ or multidetector computed tomography/) and HIGH RESOLUTION\*.mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

17 HRCT.ti,ab,kw.

18 (HIGH RESOLUTION and (CT SCAN or CAT SCAN\* or COMPUTED TOMOGRAPH\*) and (CHEST or THORAX or THORACIC)).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

19 ((ct x ray\* or cine ct or cine-ct or computed x ray tomograph\* or computed x-ray tomograph\* or electron beam computed tomograph\* or electron beam tomograph\* or tomodensitometr\* or transmission computed tomograph\* or x ray computer assisted tomograph\* or x ray computerized axial tomograph\* or x ray computerized tomograph\* or x-ray cat scan\* or x-ray computed tomograph\* or x-ray computer assisted tomograph\* or x-ray computerized axial tomograph\* or x-ray computerized tomograph\* or xray computed tomograph\*) and high resolution and (THORACIC or thorax or chest)).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating

sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

20 or/16-19

21 Physical Examination/

22 physical exam\*.ti,ab,kw.

23 MEDICAL HISTOR\*.ti,ab,kw.

24 PATIENT HISTOR\*.ti,ab,kw.

25 or/21-24

26 (biops\* and (lung or lungs)).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

27 exp Respiratory Function Tests/

28 (lung function test\* or pulmonary function test\* or respiratory function test\*).ti,ab,kw.

29 (Airway Resistance and TEST\*).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

30 BLOOD GAS ANALYS\*.ti,ab,kw.

31 OXIMETR\*.ti,ab,kw.

32 Bronchial Provocation Test\*.ti,ab,kw.

33 Capnography/ or CAPNOGRAPH\*.ti,ab,kw.

34 (LUNG COMPLIANCE and TEST\*).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

35 Lung Volume Measurement\*.ti,ab,kw.

36 Maximal Respiratory Pressure\*.ti,ab,kw.

37 WHOLE BODY Plethysmograph\*.ti,ab,kw.

38 Pulmonary Gas Exchange\*.ti,ab,kw.

- 39 PULMONARY VENTILAT\*.ti,ab,kw.
- 40 Spirometr\*.ti,ab,kw.
- 41 Valsalva Maneuver\*.ti,ab,kw.
- 42 Ventilation-Perfusion Scan\*.ti,ab,kw.
- 43 (lung vq scan\* or lung ventilation perfusion scan\* or pulmonary ventilation perfusion scan\* or v-q scintigraph\* or vq lung scan\* or ventilation perfusion lung scan\* or ventilation perfusion scan\* or ventilation perfusion scintigraph\* or ventilation-perfusion scintigraph\*).ti,ab,kw.
- 44 'Work of Breathing'.ti,ab,kw.
- 45 breathing work\*.ti,ab,kw.
- 46 or/27-45
- 47 Walk Test/
- 48 (6 min walk test or 6 minute walk test or 6-min walk test or 6-min walk tests or 6-minute walk test or 6-minute walk tests or endurance shuttle walk test or incremental shuttle walk test or six minute walk test or six-minute walk test or six-minute walk tests or walk test or walk tests).ti,ab,kw.
- 49 47 or 48
- 50 "Sensitivity and Specificity"/
- 51 (sensitivity or specificity).ti,ab,kw.
- 52 diagnostic accuracy.ti,ab,kw.
- 53 diagnostic test accuracy\*.ti,ab,kw.
- 54 diagnos\*.ti.
- 55 or/50-54
- 56 5 or 11 or 15 or 20 or 25 or 26 or 46 or 49
- 57 55 and 56
- 58 Mycophenolic Acid/
- 59 (128794-94-5 or 24280-93-1 or 9242ecw6r0 or cellcept or hu9dx48n0t or mycophenolate\* or mycophenolic acid\* or myfortic or rs 61443 or rs-61443 or rs61443 or sodium mycophenolate\* or uxh81s8zvb or wx877sqi1g).ti,ab,kw.
- 60 exp cyclophosphamide/ or ifosfamide/

- 61 (60007-96-7 or 60030-72-0 or 6uxw23996m or 8n3dw7272p or b 518 or b-518 or b518 or cyclophosphamide\* or cyclophosphane or cytophosphan or cytophosphane or cytoxan or endoxan or nsc 26271 or nsc-26271 or nsc26271 or neosar or procytox or sendoxan 3778-73-2 or asta z 4942 or holoxan or ifosfamide or iphosphamide or iso endoxan or iso-endoxan or isofosfamide or isophosphamide or um20qqm95y).ti,ab,kw.
- 62 Leflunomide/
- 63 (75706-12-6 or arava or g162gk9u4w or hwa 486 or hwa-486 or hwa486 or leflunomide or su101).ti,ab,kw.
- 64 methotrexate/
- 65 (amethopterin or methotrexate\* or mexate or yl5fz2y5u1).ti,ab,kw.
- 66 exp Azathioprine/
- 67 (am94r510ms or azathioprine or azathioprine\* or immuran or imuran or imurel or mrk240iy2l).ti,ab,kw.
- 68 calcineurin inhibitors/ or cyclosporine/ or tacrolimus/
- 69 (calcineurin antagonist\* or calcineurin blocker\* or calcineurin inhibitor\* or protein phosphatase 2b inhibitor\* or protein phosphatase 3 inhibitor\* or protein phosphatase-2b inhibitor\*).ti,ab,kw.
- 70 (anhydrous tacrolimus or fk 506 or fk-506 or fk506 or fr 900506 or fr-900506 or fr900506 or prograf or prograft or tacrolimus or wm0haq4wnm or y5l2157c4j).ti,ab,kw.
- 71 (83hn0gtj6d or ciclosporin or csa neoral or csa-neoral or csaneoral or cya nof or cya-nof or cyclosporin\* or neoral or ol 27 400 or ol 27-400 or ol 27400 or sandimmun\*).ti,ab,kw.
- 72 Tumor Necrosis Factor Inhibitors/
- 73 (tnf antagonist\* or tnf blocker\* or tnf inhibitor\* or tumor necrosis factor antagonist\* or tumor necrosis factor blocker\* or tumor necrosis factor inhibitor\*).ti,ab,kw.
- 74 (tumor necrosis factor-a antagonist\* or tumor necrosis factor-a blocker\* or tumor necrosis factor-a inhibitor\*).ti,ab,kw.
- 75 (tnf-a antagonist\* or tnf-a blocker\* or tnf-a inhibitor\*).ti,ab,kw.
- 76 Adalimumab/
- 77 astegolimab.mp.
- 78 Certolizumab Pegol/
- 79 golimumab.mp.

80      Infliximab/

81      (adalimumab or adalimumab-adbm or adalimumab-atto or amjevita or clytezo or d2e7 antibody or fys6t7f842 or 428863-50-7 or cdp 870 or cdp870 or certolizumab pegol or cimzia or umd07x179e or humira or 170277-31-3 or b72hh48flu or inflectra or infliximab or infliximab abda or infliximab dyyb or infliximab-abda or infliximab-dyyb or mab ca2 or monoclonal antibody ca2 or remicade or renflexis).ti,ab,kw.

82      Abatacept/

83      (332348-12-6 or 7d0yb67s97 or abatacept or bms 188667 or bms 224818 or bms-188667 or bms-224818 or bms188667 or bms224818 or belatacept or ctla-4-ig or ctla4 ig immunoconjugate or ctla4-fc or ctla4-ig or ctla4-ig immunoconjugate or cytotoxic t lymphocyte associated antigen 4 immunoglobulin or cytotoxic t lymphocyte-associated antigen 4-immunoglobulin or lea29y or nulojix or orenzia).ti,ab,kw.

84      ((CD20 or CD-20) and ANTIBOD\* and (ANTI or ANTAGONIST\* or INHIBITOR\*)).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

85      Rituximab/

86      (174722-31-7 or 4f4x42syq6 or gp2013 or idec c2b8 or idec c2b8 antibod\* or idec-c2b8 or idec-c2b8 antibod\* or mabthera or rituxan or rituximab).ti,ab,kw.

87      OCRELIZUMAB.mp.

88      OBINUTUZUMAB.mp.

89      OFATUMUMAB.mp.

90      exp Receptors, Interleukin-6/ and 'ANTAGONISTS & INHIBITORS'.fs.

91      TOCILIZUMAB.mp.

92      SARILUMAB.mp.

93      ((il 6 receptor or il 6 receptors or il-6 receptor or il-6 receptors or il6 receptor or il6 receptors or interleukin 6 receptor or interleukin 6 receptors or interleukin-6 receptor or interleukin-6 receptors) and (ANTAGONIST\* or INHIBITOR\* or BLOCKER\*)).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

94      Janus Kinase Inhibitors/

95      ((jak or JANUS KINASE) adj2 (inhibitor\* or ANTAGONIST\* or BLOCKER\*)).ti,ab,kw.

- 96 tofacitinib.mp.
- 97 upadacitinib.mp.
- 98 Prednisone/
- 99 (ancortone or apo prednisone or biocortone or colisone or cortan or cortidelt or cortiprex or cutason or dacorten or de cortisyl or decortancyl or decortin or decortin e merck or decortine or decortisyl or dehydrocortisone or dekortin or delitisona or dellacort a or delta 1 dehydrocortisone or delta cortelan or delta cortisone or delta dome or delta e or delta prenovis or delta dome or deltacorten or deltacortene or deltacortisone or deltacortone or deltasone or deltison or deltisona or deltra or di adreson or di adreson or diadreson or drazone or encorton or encortone or enkorton or fernisone or hostacortin or insone or liquid pred or lodotra or me korti or meprison or metacortandracin or meticorten or meticortine or nisona or nsc 10023 or nsc10023 or orasone or orb 101 or orb101 or orisane or panafcort or paracort or pehacort or precort or precortal or prednicen m or prednicorm or prednicot or prednidib or prednison\* or prednitone or pronison or pronisone or pronizone or pulmison or rayos or rectodelt or servisone or steerometz or sterapred or sterapred ds or ultracorten or urtilone or winpred).ti,ab,kw.
- 100 (exp GLUCOCORTICOIDS/ or GLUCOCORTICOID\*.mp. or STEROID\*.mp.) and PULS\*.mp.  
[mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 101 nintedanib.mp.
- 102 pirfenidone.mp.
- 103 Immunoglobulins, Intravenous/
- 104 (alphaglobin or endobulin or flebogamma dif or gamimmune or gamimmune n or gamimune or gamimune n or gammagard or gammonativ or gamunex or globulin n or globulin-n or human intravenous immunoglobulin\* or iv immunoglobulin\* or ivig or immune globulin intravenous or intraglobin or intraglobin f or intravenous antibodies or intravenous ig or intravenous immune globulin or intravenous immunoglobulin or intravenous immunoglobulins or iveegam or privigen or sandoglobulin or venimmune or venoglobulin or venoglobulin i or venoglobulin-ie).ti,ab,kw.
- 105 Plasma Exchange/
- 106 plasma exchange\*.ti,ab,kw.
- 107 PLASMAPHERES\*.mp.
- 108 hematopoietic stem cell transplantation/ or peripheral blood stem cell transplantation/
- 109 stem cell transplant\*.mp.

- 110 lung transplantation/
- 111 (LUNG GRAFT\* or LUNG TRANSPLANT\*).ti,ab,kw.
- 112 csdmard\*.ti,ab,kw.
- 113 bdmard\*.ti,ab,kw.
- 114 tsdmard\*.ti,ab,kw.
- 115 cytotoxan\*.ti,ab,kw.
- 116 baricitinib.mp.
- 117 Methylprednisolone/ and (intravenous\* or IV).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 118 ((6 methylprednisolone or 6-methylprednisolone or medrol or methylprednisolone or metipred or urbason or x4w7zr7023) adj4 (intravenous\* or IV)).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 119 Plasmapheresis/
- 120 (Plasmapheres\* or therapeutic immunoadsorption\* or therapeutic plasma adsorption\*).ti,ab,kw.
- 121 ((DISEASE MODIFYING ANTIRHEUMATIC or DISEASE MODIFYING ANTI-RHEUMATIC) adj3 (DRUG\* or AGENT\*)).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 122 Antifibrotic Agents/
- 123 ((ANTI-FIBROTIC or ANTIFIBROTIC) adj3 (DRUG\* or AGENT\*)).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 124 (ANTI-FIBROTICS or ANTIFIBROTICS).ti,ab,kw.
- 125 or/58-124
- 126 exp Lung Diseases, Interstitial/



- 127 (diffuse parenchymal lung disease\* or interstitial lung disease\*).ti,ab,kw.
- 128 (diffuse interstitial pneumopath\* or diffuse parenchyma lung disease\* or diffuse parenchymal pulmonary disease\* or diffuse parenchymal pulmonary disorder\* or interstitial lung disorder\* or interstitial pneumopath\* or interstitial pulmonary disease\* or interstitial pulmonary disorder\*).ti,ab,kw.
- 129 (antisyndetase syndrome or ANTI SYNTHETASE SYNDROME).mp.
- 130 fibrosing alveolitis.ti,ab,kw.
- 131 PULMONARY FIBROSIS/
- 132 limit 131 to dt=19630101-19930101
- 133 PF-ILD.ti,ab,kw.
- 134 fibrosing alveoliti\*.ti,ab,kw.
- 135 (progress\* and (fibros\* or fibrotic) and ILD).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 136 126 or 127 or 128 or 129 or 130 or 132 or 133 or 134 or 135
- 137 exp ANIMAL/ not exp HUMAN/
- 138 136 not 137
- 139 comment/ or editorial/ or letter/
- 140 138 not 139
- 141 limit 140 to english language
- 142 ((randomized controlled trial or controlled clinical trial).pt. or randomized.ab. or randomised.ab. or placebo.ab. or drug therapy.fs. or randomly.ab. or trial.ab. or groups.ab.) not (exp animals/ not humans.sh.)
- 143 141 and 142
- 144 case reports/ not Case-Control Studies/
- 145 "review"/
- 146 "systematic review"/
- 147 143 not (144 or 145 or 146)
- 148 exp Lung Diseases, Interstitial/

- 149 (diffuse parenchymal lung disease\* or interstitial lung disease\*).ti,ab,kw.
- 150 (diffuse interstitial pneumopath\* or diffuse parenchyma lung disease\* or diffuse parenchymal pulmonary disease\* or diffuse parenchymal pulmonary disorder\* or interstitial lung disorder\* or interstitial pneumopath\* or interstitial pulmonary disease\* or interstitial pulmonary disorder\*).ti,ab,kw.
- 151 antisyntetase syndrome.mp.
- 152 fibrosing alveolitis.ti,ab,kw.
- 153 PULMONARY FIBROSIS/
- 154 limit 153 to dt=19630101-19930101
- 155 PF-ILD.ti,ab,kw.
- 156 fibrosing alveoliti\*.ti,ab,kw.
- 157 (progress\* and (fibros\* or fibrotic) and ILD).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 158 148 or 149 or 150 or 151 or 152 or 154 or 155 or 156 or 157
- 159 exp ANIMAL/ not exp HUMAN/
- 160 158 not 159
- 161 (LETTER\* or COMMENT\* or EDITORIAL\*).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 162 160 not 161
- 163 limit 162 to english language
- 164 case reports/ not case-control studies/
- 165 "review"/
- 166 "systematic review"/
- 167 163 not (164 or 165 or 166)
- 168 exp RHEUMATOID ARTHRITIS/
- 169 RHEUMATOID ARTHRIT\*.ti,ab,kw.

- 170    rheumatic diseases/
- 171    exp Scleroderma, Systemic/
- 172    (systemic scleroderma or systemic sclerosis).ti,ab,kw.
- 173    Mixed Connective Tissue Disease/
- 174    (Mctd or mixed connective tissue disease\* or sharp syndrome\*).ti,ab,kw.
- 175    polymyositis/ or dermatomyositis/
- 176    (multiple myositis or polymyositis\* or dermatomyositis\* or dermatopolymyositis\* or polymyositis-dermatomyositis).ti,ab,kw.
- 177    (mda5 and dermatomyositis\*).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 178    (melanoma differentiation associated protein 5 and dermatomyositis\*).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 179    (immune mediators\* and NECROTIN\*).mp. and (MYOSITIS\* or MYOPATHY\*).ti,ab,kw. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 180    (ANTISYNTHEASE SYNDROME or ANTI SYNTHETASE SYNDROME).mp.
- 181    Sjogren's Syndrome/
- 182    (sjogren\* adj2 syndrome).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 183    sicca syndrome.ti,ab,kw.
- 184    or/168-183
- 185    167 and 184
- 186    exp Observational Study/
- 187    observational.ti,ab,kw.

188 exp Epidemiologic Studies/  
189 exp Case-Control Studies/  
190 case control.ti,ab,kw.  
191 (retrospectiv\* or prospectiv\*).ti,ab,kw.  
192 exp Cohort Studies/  
193 cohort.ti,ab,kw.  
194 Longitudinal Studies/  
195 longitudinal.ti,ab,kw.  
196 Cross-Sectional Studies/  
197 cross section\*.ti,ab,kw.  
198 or/186-197  
199 185 and 198  
200 147 or 199  
201 (57 or 125) and 200  
202 limit 201 to dt=20220731-20230106

Ovid Embase (Original Search: 1974 to 08/01/2022; Update: 01/06/2023)

1 (ambulatory adj3 desaturat\*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]

2 oxygen saturation/ and ambulat\*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]

- 3 ((oxygen or o2) and (saturat\* or desaturat\* or sat) and ambulat\*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 4 or/1-3
- 5 exp bronchoscopy/
- 6 (bronchial endoscop\* or laryngotracheobronchoscop\* or tracheobronchoscop\* or BRONCHOSCOPI\*).ti,ab,kw.
- 7 broncho alveolar lavage\*.mp.
- 8 (transbronchial biops\* or transbronchial needle biops\*).ti,ab,kw.
- 9 ((transbronchial or trans bronchial) adj3 biops\*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 10 biopsy/ and (transbronchial or trans bronchial).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 11 or/5-10
- 12 thorax radiography/
- 13 (chest radiogram or chest radiograph\* or chest radiology or chest roentgenogram or chest roentgenograph\* or chest roentgenolog\* or chest x ray\* or chest xray\* or thoracic radiograph\* or thoracic roentgenolog\* or thoracic x ray\* or thorax radiogram\* or thorax radiograph\* or thorax radiolog\* or thorax roentgenogram\* or thorax roentgenograph\* or thorax roentgenolog\* or thorax x ray\* or thorax radiograph\* or X chest).ti,ab,kw.
- 14 (X ray/ or XRAY\*.mp. or X RAY\*.mp.) and (THORACIC or CHEST or THORAX).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 15 or/12-14
- 16 HIGH RESOLUTION CT THORAX.mp.
- 17 HIGH RESOLUTION COMPUTER TOMOGRAPHY/ and (THORACIC or THORAX or CHEST).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 18 exp computer assisted tomography/ and (THORACIC or THORAX or CHEST).mp. and HIGH RESOLUTION.mp. [mp=title, abstract, heading word, drug trade name, original title, device

manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]

19 (HRCT and (CHEST or THORAX or THORACIC)).ti,ab,kw.

20 (HIGH RESOLUTION adj4 (CT SCAN or CAT SCAN\* or COMPUTED TOMOGRAPH\*) adj4 (CHEST or THORAX or THORACIC)).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]

21 ((ct x ray\* or cine ct or cine-ct or computed x ray tomograph\* or computed x-ray tomograph\* or electron beam computed tomograph\* or electron beam tomograph\* or tomodensitometr\* or transmission computed tomograph\* or x ray computer assisted tomograph\* or x ray computerized axial tomograph\* or x ray computerized tomograph\* or x-ray cat scan\* or x-ray computed tomograph\* or x-ray computer assisted tomograph\* or x-ray computerized axial tomograph\* or x-ray computerized tomograph\* or xray computed tomograph\*) and high resolution and (thorax or chest)).mp.

22 X RAY COMPUTED TOMOGRAPHY/ and HIGH RESOLUTION.mp. and (CHEST or THORAX or THORACIC).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]

23 or/16-22

24 exp medical history/ or patient history.ti,ab,kw.

25 physical examination/

26 physical exam\*.ti,ab,kw.

27 24 or 25 or 26

28 exp lung biopsy/

29 (biopsy lung or lung lingula biops\* or pulmonary biops\*).ti,ab,kw.

30 LUNG BIOPS\*.ti,ab,kw.

31 biopsy/ and (LUNG or LUNGS).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]

32 or/28-31

33 exp lung function test/

34 (pulmonary function test\* or respiratory function test\* or respiratory test\* or ventilation test\* or lung function test\*).ti,ab,kw.

- 35 (bronchospirograph\* or capnometr\* or spirograph\* or spirometr\* or ventilation perfusion).ti,ab,kw.
- 36 (airway resistance/ or AIRWAY RESISTANCE.mp.) and test\*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 37 blood gas analysis/ or transcutaneous carbon dioxide monitoring/ or transcutaneous oxygen monitoring/
- 38 blood gas analys\*.ti,ab,kw.
- 39 oximetry/ or pulse oximetry/ or transcutaneous oxygen monitoring/
- 40 oximetr\*.ti,ab,kw.
- 41 inhalation test/
- 42 bronchial provocation test\*.ti,ab,kw.
- 43 capnograph\*.ti,ab,kw.
- 44 (TRANSCUTANEOUS and (CARBON DIOXIDE or OXYGEN) and MONITOR\*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 45 (lung compliance/ or lung compliance.mp.) and test\*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 46 INHALATION TEST\*.ti,ab,kw.
- 47 (exp lung volume/ or lung volume\*.mp.) and (test\* or measurement\*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 48 exp maximal respiratory pressure/
- 49 maximal respiratory pressure\*.ti,ab,kw.
- 50 body plethysmography/
- 51 body plethysmograph\*.ti,ab,kw.
- 52 lung gas exchange/
- 53 (LUNG GAS EXCHANGE\* or alveolar gas exchange or blood air barrier or lung alveolus arterial gas exchange or pulmonary gas exchange or respiratory exchange or respiratory gas exchange or respiratory transport).ti,ab,kw.

- 54 lung ventilation/
- 55 (alveolar ventilation or asynchronous ventilation or lung alveolar ventilation or lung alveolus ventilation or lung ventilation or normoventilation or perfusion ventilation or pulmonary aeration or pulmonary ventilation or regional lung ventilation or uneven lung ventilation or uneven pulmonary ventilation or uneven ventilation or ventilation rate).ti,ab,kw.
- 56 spirometry/ or SPIROMETR\*.ti,ab,kw.
- 57 Valsalva maneuver/
- 58 (valsalva manœuvre or valsalva manoeuver or valsalva manoeuvre or valsalva manoever or valsalva procedure or valsalva ratio or valsalva test or valsava manoeuver).ti,ab,kw.
- 59 (lung vq scan\* or v-q scintigraph\*).ti,ab,kw.
- 60 "work of breathing"/
- 61 "work of breathing".ti,ab,kw.
- 62 or/33-61
- 63 six minute walk test/
- 64 (6 min walk test or 6 min walk testing or 6 min walking test or 6 minute walk test or 6 minute walk testing or 6 minute walking test or 6MW or 6MWT or six minute walk testing or six minute walking test or six minute walk test or six minute walk testing or six minute walking test).ti,ab,kw.
- 65 or/63-64
- 66 diagnostic accuracy/
- 67 diagnostic test accuracy study/
- 68 "sensitivity and specificity"/
- 69 diagnos\*.ti.
- 70 "sensitivity and specificity".ti.
- 71 sensitiv\*.ti.
- 72 or/66-71
- 73 (4 or 11 or 15 or 23 or 27 or 32 or 62 or 65) and 72
- 74 mycophenolic acid/



75 (mycophenolic acid or "erl 080" or erl 080a or erl080 or erl080a or melbex or mycophenolate or mycophenolate sodium or mycophenolic acid disodium salt or myfortic or nsc 129185 or nsc129185 or sodium mycophenolate).ti,ab,kw.

76 cyclophosphamide/

77 ifosfamide/

78 (cyclophosphamide or ifosfamide or alkyroxan or b 518 or b 518 asta or b518 or b518 asta or carloxan or ciclofosfamida or cicloten or cicloxal or clafen or cyclo cell or cycloblastin or cycloblastine or cyclofos amide or cyclofosfamid or cyclofosfamide or cyclophar or cyclophosphamid or cyclophosphamide isopac or cyclophosphamides or cyclophosphan or cyclophosphane or cyclostin or cyclostin n or cycloxan or cyphos or cyrevia or cytophosphan or cytophosphane or cytozan or cytozan lyophilized or endocyclo phosphate or endoxan or endoxan asta or endoxana or endoxon asta or enduxan or genoxal or ledoxan or ledoxina or lyophilized cytozan or mitoxan or neosan or neosar or noristan or nsc 26271 or nsc 2671 or procytox or procytoxide or semdoxan or sendoxan or syklofosfamid).ti,ab,kw.

79 (asta 2 4942 or asta 24942 or asta 4942 or asta z 4942 or asta z4942 or asta24942 or asta4942 or cuantil or cyfos or farmamide or holoxan or ifex or ifo cell or ifolem or ifomide or ifosfamid or ifoxan or ipamide or iphosphamide or iphox or isocyclophosphamide or isoendoxan or isofosfamide or isophosphamide or mitoxana or mjf 9325 or mjf9325 or naxamide or nsc 109724 or nsc109724 or tronoxal or z 4942 or z4942).ti,ab,kw.

80 leflunomide/

81 (arabloc or arava or hwa 486 or hwa486 or leflunomide\* or repso or rs 34821 or rs34821 or su 101 or su101).ti,ab,kw.

82 methotrexate/

83 (4 amino 10 methylfolic acid or 4 amino 10 methylpteroylglutamic acid or 4 amino n10 methylpteroylglutamic acid or a methopterin or abitextrate or abitrexate or adx 2191 or adx2191 or amethopterin or amethopterin or amethopterin or antifolan or biotrexate or brimexate or canceren or cl 14377 or cl14377 or emt 25299 or emt25299 or emtexate or emthexat or emthexate or emtrexate or enthexate or farmitrexat or farmitrexate or farmotrex or folex or folex pfs or ifamet or imeth or intradose MTX or jylamvo or lantarel or ledertrexate or lumexon or maxtrex or metatrexan or metex or methoblastin or methohexate or methotrate or methotrexat\* or methrotrexate or methylaminopterin or methylaminopterin or metecil or metoject or metoject pen or metothrexate or metothrexate sodium or metotrexat or metotrexate or metotrexin or metrex or metrotex or mexate\* or mpi 2505 or mpi 5004 or mpi2505 or mpi5004 or MTX or neotrexate or nordimet or novatrex or nsc 740 or nsc740 or otrexup or otrexup pfs or r 9985 or r9985 or rasuvo or reditrex or reumatrex or rheumatrex\* or sodium methotrexate or texate\* or texorate or tremetex or trexall or trexeron or wr 19039 or wr19039 or xaken or xatmep or zexate or zlatal).ti,ab,kw.

84 azathioprine/

85 (Azathioprin\* or arathioprin or arathioprine or aza q or azafalk or azahexal or azamedac or azamun or azamune or azanin or azapin or azapress or azapriner or azarex or azasan or azathiodura or azathiopine or azathioprim or azathioprin or azathioprine sodium or azathiopurine or azathropsin or azatioprina or azatox or azatrim or azopi or azoran or azothioprin or azothioprine or bw 57 322 or bw 57 322 or bw 57322 or bw57 322 or bw57322 or colinsan or immuran or immurel or immuthera or imunen or imuprin or imuran or imurane or imurek or imurel or imuren or jayempi or methylnitroimidazolylmercaptapurine or nsc 39084 or nsc39084 or thioazeprine or thioprine or transimune or zytrim).ti,ab,kw.

86 calcineurin inhibitor/ or cyclosporine/ or pimecrolimus/ or ruclosporin/ or tacrolimus/ or voclosporin/

87 (calcineurin inhibitor\* or protein phosphatase 2B inhibitor\*).ti,ab,kw.

88 (adi 628 or adi628 or cequa or cgc 1072 or cgc1072 or ciclomulsion or cicloral or ciclosporin\* or ciclosporin a or ciclosporine or cipol\* or consupren or cyclasol or cyclokate or cyclosporin or cyclosporin A or cyclosporin neoral or ciclosporine a or "de 076" or de076 or deximune or equoral or gengraf or ikervis or iminoral or implanta or imusporin or lx 201 or lx201 or "mc2 03" or mc203 or mtd 202 or mtd202 or neoplanta or neoral or neoral sandimmun or neuro stat or neurostat or "nm 0133" or nm 133 or nm0133 or nm133 or nova 22007 or nova22007 or ol 27400 or ol27400 or olo 400 or olo500 or "opph 088" or opph088 or opsisporin or optimmune or otx 101 or otx101 or p 3072 or p3072 or padciclo or papilock or pulminiq or restasis or restaysis or sanciclo or sandimmun or sandimmun neoral or sandimmune or sandimmune neoral or sandimun or sandimun neoral or sandimune or sang 35 or sang35 or sangcya or seciera or sp 14019 or sp14019 or "sti 0529" or sti0529 or t 1580 or t1580 or vekacia or verkazia or zinograf me).ti,ab,kw.

89 (aregen or asm 981 or asm981 or elidel\* or rizan or sdz asm 981 or sdz asm981 or pimecrolimus).ti,ab,kw.

90 (scy 641 or scy641 or RUCLOSPORIN).ti,ab,kw.

91 (advagraf or astagraf or astagraf xl or envarsus or envarsus xr or fk 506 or fk 506 or fk506 or fr 900506 or fr900506 or fujimycin or graceptor or hecoria or l 679934 or l679934 or mld 987 or mld987 or modigraf or mtd 219 or mtd219 or prograf or prograft or protopic or protopy or "rtu 007" or rtu007 or tac lac or tacforius or tacrolimus\* or tsukubaenolide).ti,ab,kw.

92 (isa 247 or isa247 or lupkynis or luveniq or lx 211 or lx211 or elvo or r 1524 or r1524 or voclera or VOCLOSPORIN).ti,ab,kw.

93 exp tumor necrosis factor inhibitor/

94 anti TNF agent\*.ti,ab,kw.

95 (anti TNF alpha agent\* or anti tumor necrosis factor agent\* or anti tumour necrosis factor agent\* or TNF alpha inhibitor\* TNF inhibitor\* or tumor necrosis factor alpha inhibitor\* or tumor

necrosis factor inhibitors or tumour necrosis factor alpha inhibitor\* or tumour necrosis factor inhibitor\*).ti,ab,kw.

96 (tnf blocker\* or tumor necrosis factor blocker\*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]

97 ((tumor necrosis factor a or tumour necrosis factor a) adj2 (inhibitor\* or antagonist\* or blocker\*)).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]

98 adalimumab\*.ti,ab,kw.

99 (abp 501 or abp501 or abrilada or abt d2e7 or abtd2e7).ti,ab,kw.

100 (adaly or amgevita or amjevita or amsparity or "avt 02" or avt02 or bat 1406 or bat1406 or bax 2923 or bax 923 or bax2923 or bax923 or "bcd 057" or bcd057 or bi 695501 or bi695501 or chs 1420 or chs1420 or cinnora or ct p17 or ctp17 or cyltezo or da 3113 or da3113 or dmb 3113 or dmb3113 or exemptia or fkb 327 or fkb327 or fyzoclad or gp 2017 or gp2017 or hadlima or halimatoz or hefiya or "hlx 03" or hlx03 or hukyndra or hulio or humira or hyrimoz or ibi 303 or ibi303 or idacio or imraldi or kromeya or libmyris or lu 200134 or lu200134 or m 923 or m923 or mabura or monoclonal antibody D2E7 or msb 11022 or msb11022 or ons 3010 or ons3010 or pbp 1502 or pbp1502 or "pf 06410293" or pf 6410293 or pf06410293 or pf6410293 or qletli or raheara or sb 5 or sb5 or solymbic or sulinno or trudexa or yuflyma or zrc 3197 or zrc3197).ti,ab,kw.

101 (ky 1005 or ky1005 or gsk 2857914 or gsk2857914 or belantamab mafodotin or blmf blenrep or gsk 2857916 or GSK 916 or askp 1240 or askp1240).ti,ab,kw.

102 (cdp 870 or cdp870 or cimzia or pegylated tumor necrosis factor alpha antibody Fab fragment or pegylated tumour necrosis factor alpha antibody Fab fragment or pha 738144 or pha738144 or simziya or xcimzane).ti,ab,kw.

103 certolizumab pegol.ti,ab,kw.

104 (amg 162 or amg162 or amgiva or dyenix or eb 1001 or eb1001 or fks 518 or fks518 or gp 2411 or gp2411 or jhl 1266 or jhl1266 or pralia or prolia or ranmark or xgeva).ti,ab,kw.

105 (amlitelimab or belantamab or bleselumab).ti,ab,kw.

106 (efizonerimod alpha or medi 6383 or medi6383).ti,ab,kw.

107 (CD24Fc or efprezimod alpha or has CD24 or mk 7110 or mk7110).ti,ab,kw.

108 (elranatamab or "pf 06863135" or pf 3135 or pf 6863135 or pf06863135 or pf3135 or pf6863135 or rn 613 or rn613).ti,ab,kw.

- 109 (avent or benepali or brenzys or "chs 0214" or chs0214 or dwp 422 or dwp422 or embrel or enbrel or enerceptan or enia 11 or enia11 or erelzi or etaccept or etanar or ETANERCEPT or etanercept szzs or etanercept ykroOR eticovo or gp 2015 or gp 2015c or gp2015 or gp2015c or hd 203 or hd203 or infinitam or "lbec 0101" or lbec0101 or lifmior or nepexto or opinercept or recombinant tumor necrosis factor receptor Fc fusion protein or recombinant tumour necrosis factor receptor Fc fusion protein or reumatoccept or sb 4 or sb4 or "tnr 001" or tnr001 or tumor necrosis factor receptor Fc fusion proteinVOR tumour necrosis factor receptor Fc fusion protein or tunex or yisaipu or ylb 113 or ylb113).ti,ab,kw.
- 110 (Gilorolimab or golimumab or cnto 148 or cnto148 or mk 8259 or mk8259 or sch 900259 or sch900259 or shinponi or simponi or simponi aria).ti,ab,kw.
- 111 (INFLIXIMAB or abp 710 or abp710 or avakine or avsola or "bcd 055" or bcd055 or "bow 015" or bow015 or "cmab 008" or cmab008 or ct p13 or ctp13 or flixabi or gb 242 or gb242 or gp 1111 or gp1111 or inflectra or infliximab abda or infliximab axxq or infliximab dyyb or infliximab qbtx or infliximab abda or infliximab axxq or infliximab dyyb or infliximab qbtx or ixifi or "pf 06438179" or pf 6438179 or pf06438179 or pf6438179 or remicade or remsima or renflexis or revellex or "sti 002" or sti002 or ta 650 or ta650 or zessly).ti,ab,kw.
- 112 (Mitazalimab or Vanalimab or AMG 701 or AMG701 or pavurutamab).ti,ab,kw.
- 113 (Pegiloddecakin or "am 0010" or am0010 or ly 3500518 or ly3500518 or peg iloddecakin or peginterleukin 10 or pegylated iloddecakin or pegylated interleukin 10).ti,ab,kw.
- 114 (Pegipanermin or "inb 03" or "inb 03" or livnate or quellor or xenp 1595 or xenp 345 or xenp1595 or xenp345 or xpro 1595 or xpro 595 or xpro1595 or xpro595).ti,ab,kw.
- 115 (peimine or quisovalimab or ravagalimab).ti,ab,kw.
- 116 (sibeprenlimab or sotigalimab or tanfanercept).ti,ab,kw.
- 117 (remtolumab or selicrelumab).ti,ab,kw.
- 118 (tavolimab or telazorlimab or telitacicept or tibulizumab).ti,ab,kw.
- 119 abatacept/ or ETANERCEPT/ or GOLIMUMAB/ or INFLIXIMAB/
- 120 (Abatacept or bms 188667 or bms188667 or CTLA4 Ig or CTLA4 immunoglobulin or CTLA4 immunoglobulin G or CTLA4Ig or orenicia).ti,ab,kw.
- 121 rituximab/
- 122 (abp 798 or abp798 or blitzima or ct p10 or ctp10 or gp 2013 or gp2013 or halpryza or "hlx 01" or hlx01 or ibi 301 or ibi301 or idec 102 or idec c2b8 or idec102 or idecc2b8 or mabthera or mk 8808 or mk8808 or monoclonal antibody idec c2b8 or "pf 05280586" or pf 5280586 or pf05280586 or pf5280586 or r 105 or r105 or reditux or rg 105 or rg105 or riabni or ritemvia or ritucad or ritumax or rituxan or

rituximab abbs or rituximab arrx or rituximab pvvr or rituxin or rituzena or rixathon or riximyo or ro 452294 or ro452294 or rtxm 83 or rtxm83 or ruxience or truxima or tuxella).ti,ab,kw.

123 OCRELIZUMAB/

124 (immunosuppressive agent\* or monoclonal antibody 2H7 or monoclonal antibody PRO 70769 or monoclonal antibody PRO70769 or ocrevus or pro 70769 or pro70769 or rhumab 2H7).ti,ab,kw.

125 OBINUTUZUMAB/

126 (OCRELIZUMAB or RITUXIMAB).ti,ab,kw.

127 (afutuzumab or ga 101 or ga101 or gazyva or gazyvaro or r 7159 or r7159 or rg 7159 or rg7159 or ro 5072759 or ro5072759 or OBINUTUZUMAB).ti,ab,kw.

128 ofatumumab/

129 (Ofatumumab or arzerra or gsk 1841157 or gsk1841157 or humac CD20 or HuMax CD20 R HuMax CD20 or HuMaxCD20 or kesimpta or omb 157 or omb157).ti,ab,kw.

130 INTERLEUKIN 6 RECEPTOR/ and (ANTAGONIST\* or INHIBITOR\* or BLOCKER\*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]

131 ((il 6 receptor or il 6 receptors or il-6 receptor or il-6 receptors or il6 receptor or il6 receptors or interleukin 6 receptor or interleukin 6 receptors or interleukin-6 receptor or interleukin-6 receptors) and (ANTAGONIST\* or INHIBITOR\* or BLOCKER\*)).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]

132 (actemra or actemra 200 or atlizumab or bat 1806 or bat1806 or lusinex or msb 11456 or msb11456 or r 1569 or r1569 or rg 1569 or rg1569 or ro 4877533 or ro4877533 or roactemra).ti,ab,kw.

133 tocilizumab/

134 TOCILIZUMAB.ti,ab,kw.

135 sarilumab/

136 (Sarilumab or kevezara or kevezara sc or regn 88 or regn88 or sar 153191 or sar153191).ti,ab,kw.

137 janus kinase inhibitor/ or exp baricitinib/ or exp brepocitinib/ or exp delgocitinib/ or exp deucravacitinib/ or exp deuruxolitinib/ or exp fedratinib/ or exp fosfidancitinib/ or exp gusacitinib/ or exp ifidancitinib/ or exp ilginatinib/ or exp ilunocitinib/ or exp itacitinib/ or exp izencitinib/ or exp janus kinase 1 inhibitor/ or exp janus kinase 2 inhibitor/ or exp janus kinase 3 inhibitor/ or exp lorpucitinib/ or exp mivavotinib/ or exp momelotinib/ or exp nezulcitinib/ or exp ropsacitinib/ or exp ruxolitinib/ or exp tofacitinib/

- 138 (JAK inhibitor\* or Janus kinase inhibitor\* or Janus tyrosine kinase inhibitor\* or baricitinib or brepocitinib or delgocitinib or deucravacitinib or deuruxolitinib or fedratinib or fosifidancitinib or gusacitinib or ifidancitinib or ilginatinib or ilunocitinib or itacitinib or izencitinib or lorpucitinib or mivavotinib or momelotinib or nezulcitinib or ropsacitinib or ruxolitinib or tofacitinib).ti,ab,kw.
- 139 TOFACITINIB/
- 140 (cp 690 550 or cp 690550 or cp 690550 10 or cp 690550 10 or cp690 550 or cp690550 or cp690550 10 or cp690550 10 or jaquinus or pgn 600 or pgn600 or TOFACITINIB).ti,ab,kw.
- 141 BARICITINIB/
- 142 ("incb 028050" or incb 28050 or incb028050 or incb28050 or ly 3009104 or ly3009104 or olumiant or BARICITINIB).ti,ab,kw.
- 143 upadacitinib/
- 144 (abt 494 or abt494 or rinvoq or upadacitinib\*).ti,ab,kw.
- 145 prednisone/
- 146 (PREDNISON\* or ancortone or apo prednisone or biocortone or colisone or cortan or cortidelt or cortiprex or cutason or dacorten or de cortisyl or decortancyl or decortin or decortin e merck or decortine or decortisyl or dehydrocortisone or dekortin or delitisona or dellacort a or delta 1 dehydrocortisone or delta cortelan or delta cortisone or delta dome or delta e or delta prenovis or delta dome or deltacorten or deltacortene or deltacortisone or deltacortone or deltasone or deltison or deltisona or deltra or di adreson or di adreson or diadreson or drazone or encorton or encortone or enkorton or fernisone or hostacortin or insone or liquid pred or lodotra or me korti or meprison or metacortandracin or meticorten or meticortine or nisona or nsc 10023 or nsc10023 or asone or b 101 or b101 or isane or panafcort or paracort or pehacort or precort or precortal or prednicen m or prednicorm or prednicot or prednidib or prednison or prednisone alcohol or prednisone intensol or prednisone test or prednitone or pronison or pronisone or pronizone or pulmison or rayos or rectodelt or servisone or steerometz or sterapred or sterapred ds or ultracorten or urtilone or winpred).ti,ab,kw.
- 147 (exp GLUCOCORTICOID/ or GLUCOCORTICOID\*.mp. or STEROID\*.mp.) and PULS\*.ti,ab,kw.  
[mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 148 nintedanib/
- 149 (ast 2521 or ast2521 or bibf 1120 or bibf1120 or cynediv or intedanib or knin or nintedanib esylate or ofev or vargatef or nintedanib).ti,ab,kw.
- 150 pirfenidone/

- 151 (Pirfenidone or amr 69 or amr69 or deskar or esbriet or etuary or kitoscell or pirespa or pirfenex or rg 6062 or rg6062 or "ro 0220912" or ro0220912 or s 7701 or s7701).ti,ab,kw.
- 152 (exp IMMUNOGLOBULIN/ or IMMUNOGLOBULIN.mp.) and INTRAVENOUS\*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 153 (antibody protein or endobulin or flebogamma liquida or gamastan or gamimmune n or gamimune or gamma globulin or gamma globulin c or gamma globulins or gamma immunoglobulin or gammagee or gammaglobulin or gammaglobuline or gammar or gammimune or gamulin or gamulin rh or globuman or glovenin i or lg or igam or igc or immune gamma globulin or immune globin or immune globulin or immune globuline or immune globulins or immune serum globulin or immuno or immuno gamma globulin or immuno globulin or immunogammaglobulin or immunoglobulin or immunoglobulin 17 or immunoglobulin c or immunoglobulin c1 or immunoglobulin chain or immunoglobulin gamma or immunoglobulin preparation or immunoglobulins or immunoprotein or intraglobin f or isiven or ivegam or ivega or ivig or panglobulin or sandoglobin or tegelin or tegeline or veinoglobulin or venoglobulin or venoglobulin i).ti,ab,kw. and INTRAVENOUS\*.mp.
- 154 PLASMA EXCHANGE/ or PLASMA EXCHANGE\*.ti,ab,kw.
- 155 plasmapheresis/
- 156 (plasma apheresis or PLASMAPHERES\* or plasma pheresis or plasmaphoresis).ti,ab,kw.
- 157 hematopoietic stem cell transplantation/
- 158 STEM CELL TRANSPLANT\*.ti,ab,kw.
- 159 mesenchymal stem cell transplantation/ or stem cell transplantation/
- 160 exp autologous stem cell transplantation/
- 161 (haematopoietic stem cell therap\* or haematopoietic stem cell transplant\* or hematopoietic stem cell therap\* or HSC therap\* or HSC transplant\* or mesenchymal stem cell therap\*).ti,ab,kw.
- 162 lung transplantation/
- 163 (lung allotransplantation or lung orthotopic transplantation or lung tissue transplantation or pulmonary transplantation or LUNG TRANSPLANT\*).ti,ab,kw.
- 164 LUNG GRAFT\*.ti,ab,kw.
- 165 (CSDMARD or BDMARD\* or TSDMARD).ti,ab,kw.
- 166 disease modifying antirheumatic drug/
- 167 (disease modifying antirheumatic agent\* or disease modifying antirheumatic drug\* or DMARD\*).ti,ab,kw.

- 168 (exp methylprednisolone/ or METHYLPREDNISOLONE.mp.) and (INTRAVENOUS\* or IV).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 169 (2 methylprednisolone or 5 methylprednisolone or 6 alpha methylprednisolone or 6 methyl delta 1 hydrocortisone or 6 methyl prednisolone or 6 methylprednisolone or 6alpha methyl delta1 hydrocortisone or 6alpha methylprednisolone or Adlone 40 or Adlone 80 or beta methylprednisolone or dep medalone 80 or depmedalone or depopred or esametone or firmacort or medixon or mednin or medralone 80 or medrate or medrol\* or medrone or meprednisolone or meprelon or mesopren or methacort 40 or methacort 80 or methyl prednisolone or methylcotol or methylcotolone or methylpred dp or methylsterolone or metidrol or metrisone or metycortin or metypred or metypresol or neomedrone or nsc 19987 or nsc19987 or prednol or solomet or solu decortin or urbason).ti,ab,kw. and (INTRAVENOUS\* or IV).mp.
- 170 antifibrotic agent/
- 171 ((ANTI FIBROTIC\* or ANTIFIBROTIC\*) and (AGENT\* or DRUG\*)).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 172 or/74-171
- 173 RHEUMATOID ARTHRITIS/
- 174 (arthritis deformans or RHEUMATOID ARTHRIT\* or arthrosis deformans or beauvais disease or chronic articular rheumatism or chronic polyarthritis or chronic progressive poly arthritis or chronic progressive polyarthritis or inflammatory arthritis or primary chronic polyarthritis or rheumarthritis or rheumatic arthritis or rheumatic polyarthritis).ti,ab,kw.
- 175 exp systemic sclerosis/
- 176 (SYSTEMIC SCLERODERMA\* or SYSTEMIC SCLEROS\*).ti,ab,kw.
- 177 (generalized scleroderma or progressive scleroderma or progressive sclerodermia or progressive systemic sclerosis or systemic progressive sclerosis).ti,ab,kw.
- 178 mixed connective tissue disease/
- 179 (mctd or MIXED CONNECTIVE TISSUE DISEASE\* or mixed collagen disease or mixed connective tissue disorder or Sharp syndrome).ti,ab,kw.
- 180 polymyositis/
- 181 (fibromyositis or inomyositis or POLYMYOSIT\*).ti,ab,kw.
- 182 DERMATOMYOSITIS/



- 183 (dermatomyositis or petges clegat syndrome or poikilodermatomyositis or polymyositis arthropathica or wegner hepp unverricht disease or DERMATOMYOSIT\*).ti,ab,kw.
- 184 (mda5 and dermatomyosit\*).mp.
- 185 (melanoma differentiation associated protein 5 and dermatomyosit\*).ti,ab,kw.
- 186 (anti-melanoma differentiation associated protein 5 antibody and dermatomyosit\*).ti,ab,kw.
- 187 (immune mediated and necroti\* and (myosit\* or myopath)).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 188 IMNMs.ti,ab,kw.
- 189 antisynthetase syndrome/
- 190 (antisynthetase syndrome\* or anti synthetase syndrome\*).ti,ab,kw.
- 191 sjogren's syndrome/
- 192 (dacryosialoadenopathia atrophicans or gougerot houwer sjogren syndrome or gougerot mulock houwer sjogren syndrome or gougerot sjogren disease or Gougerot Sjogren syndrome or gougerot sjogren disease or Gougerot Sjogren syndrome or mikulicz gougerot sjogren syndrome or mikulicz radecki syndrome or mucoserous dyssecretosis or mukilicz radecki syndrome or oculobuccopharyngeal dryness or rheumatic sialosis or sicca syndrome or sjogren disease or sjogren disease or sjogren syndrome).ti,ab,kw.
- 193 OBSERVATIONAL STUDY/
- 194 OBSERVATIONAL.ti,ab,kw.
- 195 exp case control study/
- 196 case control.ti,ab,kw.
- 197 retrospective study/
- 198 prospective study/
- 199 (retrospectiv\* or prospectiv\*).ti,ab,kw.
- 200 cohort analysis/
- 201 cohort.ti,ab,kw.
- 202 cross-sectional study/
- 203 cross section\*.ti,ab,kw.

204 longitudinal study/  
205 longitudinal.ti,ab,kw.  
206 or/193-205  
207 or/173-192  
208 206 and 207  
209 interstitial lung disease/ or antisynthetase syndrome/ or fibrosing alveolitis/  
210 (diffuse parenchyma lung disease or diffuse parenchymal lung disease or diffuse parenchymal  
pulmonary disease or diffuse parenchymal pulmonary disorder or interstitial lung disease\* or interstitial  
lung disorder or interstitial pulmonary disease or interstitial pulmonary disorder).ti,ab,kw.  
211 antisynthetase syndrome/  
212 (antisynthetase syndrome or anti synthetase syndrome or fibrosing alveolitis).ti,ab,kw.  
213 PF-ILD.ti,ab,kw.  
214 fibrosing alveoliti\*.ti,ab,kw.  
215 (progress\* and (fibros\* or fibrotic) and ILD).mp. [mp=title, abstract, heading word, drug trade  
name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading  
word, floating subheading word, candidate term word]  
216 or/209-215  
217 ANIMAL/ not HUMAN/  
218 216 not 217  
219 conference paper/ or editorial/ or letter/  
220 218 not 219  
221 exp conference abstract/  
222 220 not 221  
223 "review"/ or "systematic review"/  
224 222 not 223  
225 case report/  
226 224 not 225  
227 limit 226 to english language

- 228 208 and 227
- 229 interstitial lung disease/ or antisynthetase syndrome/ or fibrosing alveolitis/
- 230 (diffuse parenchyma lung disease or diffuse parenchymal lung disease or diffuse parenchymal pulmonary disease or diffuse parenchymal pulmonary disorder or interstitial lung disease\* or interstitial lung disorder or interstitial pulmonary disease or interstitial pulmonary disorder).ti,ab,kw.
- 231 antisynthetase syndrome/
- 232 (antisynthetase syndrome or anti synthetase syndrome or fibrosing alveolitis).ti,ab,kw.
- 233 PF-ILD.ti,ab,kw.
- 234 fibrosing alveoliti\*.ti,ab,kw.
- 235 (progress\* and (fibros\* or fibrotic) and ILD).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
- 236 or/229-235
- 237 ANIMAL/ not HUMAN/
- 238 236 not 237
- 239 conference paper/ or editorial/ or letter/
- 240 238 not 239
- 241 exp conference abstract/
- 242 240 not 241
- 243 "review"/ or "systematic review"/
- 244 242 not 243
- 245 case report/
- 246 244 not 245
- 247 limit 246 to english language
- 248 (Randomized controlled trial/ or Controlled clinical study/ or random\$.ti,ab. or randomization/ or intermethod comparison/ or placebo.ti,ab. or (compare or compared or comparison).ti. or ((evaluated or evaluate or evaluating or assessed or assess) and (compare or compared or comparing or comparison)).ab. or (open adj label).ti,ab. or ((double or single or doubly or singly) adj (blind or blinded or blindly)).ti,ab. or double blind procedure/ or parallel group\$1.ti,ab. or (crossover or cross over).ti,ab. or ((assign\$ or match or matched or allocation) adj5 (alternate or group\$1 or intervention\$1 or

patient\$1 or subject\$1 or participant\$1)).ti,ab. or (assigned or allocated).ti,ab. or (controlled adj7 (study or design or trial)).ti,ab. or (volunteer or volunteers).ti,ab. or human experiment/ or trial.ti.) not (((random\$ adj sampl\$ adj7 ("cross section\$" or questionnaire\$1 or survey\$ or database\$1)).ti,ab. not (comparative study/ or controlled study/ or randomi?ed controlled.ti,ab. or randomly assigned.ti,ab.)) or (Cross-sectional study/ not (randomized controlled trial/ or controlled clinical study/ or controlled study/ or randomi?ed controlled.ti,ab. or control group\$1.ti,ab.)) or (((case adj control\$) and random\$) not randomi?ed controlled).ti,ab. or (Systematic review not (trial or study)).ti. or (nonrandom\$ not random\$).ti,ab. or "Random field\$".ti,ab. or (random cluster adj3 sampl\$).ti,ab. or ((review.ab. and review.pt.) not trial.ti.) or ("we searched".ab. and (review.ti. or review.pt.)) or "update review".ab. or (databases adj4 searched).ab. or ((rat or rats or mouse or mice or swine or porcine or murine or sheep or lambs or pigs or piglets or rabbit or rabbits or cat or cats or dog or dogs or cattle or bovine or monkey or monkeys or trout or marmoset\$1).ti. and animal experiment/) or (Animal experiment/ not (human experiment/ or human/)))

249 247 and 248

250 228 or 249

251 (73 or 172) and 250

252 limit 251 to dd=20220731-20230106

253 limit 251 to rd=20220731-20230106

254 252 or 253