

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Tracheobronchial Disease**

Literature Search Performed on: 03/28/2023

Beginning Date: January 1994

End Date: February 2023

Database: Ovid MEDLINE(R) ALL <1946 to March 27, 2023>

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**Search Strategy**

- 1 (Bronchiectasis/ and bronchi/ and lung/ and Tomography, X-Ray Computed/) or (Agammaglobulinemia/ and Cystic Fibrosis/ and Tomography, X-Ray Computed/) or (Bronchoscopy/ and Tomography, Spiral Computed/ and Intubation, Intratracheal/) (25)
- 2 (Bronchiectasis/ and Disease Progression/ and Respiratory Function Tests/) or (Cystic Fibrosis/ and Bronchiectasis/ and Tomography, X-Ray Computed/ and Respiratory System Agents/) (35)
- 3 (Bronchiectasis/ and Tomography, X-Ray Computed/ and Observer Variation/) or (Respiratory Tract Infections/ and lung/ and Aspergillosis, Allergic Bronchopulmonary/ and Tomography, X-Ray Computed/) or (Respiration/ and Pharynx/ and Trachea/ and Magnetic Resonance Imaging, Cine/) (33)
- 4 (Lung Neoplasms/ and Bronchoscopy/ and Tomography, X-Ray Computed/ and Bronchial Diseases/) or Comparison of virtual bronchoscopy.tw. or insertion in malignant airway obstruction.tw. (32)
- 5 1 or 2 or 3 or 4 (121)
- 6 limit 5 to yr="1994 -Current" (119)
- 7 Mycobacterium Infections, Nontuberculous/ and Tomography, X-Ray Computed/ and (Bronchiectasis/ or lung diseases/ or Clinical Decision-Making/) (76)
- 8 (nontuberculous mycobacterial.mp. and Clinical Decision-Making/) or (Mycobacterium avium-intracellulare Infection/ and Lung Diseases/ and Radiography, Thoracic/) or (Tomography, X-Ray Computed/ and Mycobacterium Infections, Nontuberculous/ and Pneumonia, Bacterial/) (24)
- 9 (Multivariate Analysis/ and Mycobacterium avium-intracellulare Infection/ and Lung Diseases/) or (Pneumonia, Bacterial/ and Mycobacterium avium Complex/ and Tomography, X-Ray Computed/) (21)
- 10 (Bronchiectasis/ and Mycobacterium avium-intracellulare Infection/ and Tomography, X-Ray Computed/) or (Mycobacterium avium-intracellulare Infection/ and Lung Diseases/ and Radiography, Thoracic/) (37)
- 11 7 or 8 or 9 or 10 (148)
- 12 limit 11 to (abstracts and english language and humans and yr="2011 -Current") (78)
- 13 6 or 12 (196)

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Literature Search Performed on: 08/28/2022

Beginning Date: January 1992

End Date: July 2022

Database: Ovid MEDLINE(R) ALL <1946 to August 26, 2022>

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**Search Strategy**

- 1 Tracheal Diseases/ and Bronchial Diseases/ and Tomography, X-Ray Computed/ (177)
- 2 (Bronchial Diseases/ and diagnostic imaging/) or (Bronchi/ and diagnostic imaging/ and bronchoscopy/) or Imaging in non-cystic.tw. (20)
- 3 Bronchi/ and Tomography, X-Ray Computed/ and bronchoscopy/ and trachea/ (152)
- 4 (Brachytherapy/ and Airway Obstruction/) or ((Tracheal diseases/ and Trachea/ and Airway Obstruction/) or Tracheobronchoplasty yields.tw.) (163)
- 5 (Airway Obstruction/ and Multidetector Computed Tomography/) or (Exhalation/ and lung/ and Tomography, X-Ray Computed/) or (Military Personnel/ and Tomography, X-Ray Computed/ and Afghanistan/) (105)
- 6 (Tracheobronchomalacia.mp. and trachea/) or Diseases of the Large Airways.tw. or (Tracheal Stenosis/ and cough/ and Airway Obstruction/) or (Tracheal Stenosis/ and Magnetic Resonance Imaging, Cine/) (138)
- 7 (Bronchial Diseases/ and airway obstruction/ and tracheal diseases/) or (Bronchiectasis/ and Tomography, X-Ray Computed/ and Lung Volume Measurements/) (121)
- 8 (Administration, Inhalation/ and Bronchiectasis/) or (Tracheobronchomalacia/ or Tracheomalacia/) (732)
- 9 (Bronchiectasis/ and lung/ and Magnetic Resonance Imaging/) or (Tracheal Neoplasms/ and Bronchoscopy/ and Diagnosis, Differential/) or (Tracheal Diseases/ and Pulmonary Embolism/) (119)
- 10 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 (1572)

**Literature Search**  
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**Tracheobronchial Disease**

11 limit 10 to (abstracts and english language and humans and yr="1992 -Current") (1031)  
12 tracheal stricture/ or tracheal narrowing/ or tracheal thickening/ or tracheal mass/ or tracheal neoplasm/ or tracheal neoplasm/ or tracheal obstruction/ or tracheal obstruction/ or tracheoplasty/ or tracheal stent/ or tracheal surgery/ or central airway collapse/ or excessive central airway collapse/ or dynamic airway collapse/ or excessive dynamic airway collapse/ or dynamic airway collapse/ or excessive dynamic airway collapse/ or tracheopexy/ or bronchial stent/ or Bronchial dilatation/ or Cystic fibrosis bronchiectasis/ or Non cystic fibrosis bronchiectasis/ (3864)  
13 exp diagnostic imaging/ (2861627)  
14 12 and 13 (843)  
15 limit 14 to (abstracts and english language and humans and yr="1992 -Current") (332)  
16 11 or 15 (1325)  
17 limit 16 to case reports (504)  
18 16 not 17 (821)  
19 limit 18 to "all child (0 to 18 years)" (297)  
20 18 not 19 (524)  
21 (Excessive Dynamic Airway Collapse or diagnosis of large airway collapse or expiratory central airway collapse).tw. (88)  
22 20 or 21 (591)

**Summary**

Source	#Unique Refs	#Retained Refs
Old bibliography	0	0
Literature Search(es)	780	55
Author Added	4	2
Supporting Docs	1	1
Total		58

References from the literature search that were not retained had a poor study design, were not relevant to the topic, or had unclear or biased results.