

**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.