

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Chronic Dyspnea-Noncardiovascular Origin**

Literature Search Performed on: 08/03/2015

Beginning Date: January 2011

End Date: July 2015

Database: Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily, Ovid MEDLINE(R) and Ovid OLDMEDLINE(R) <1946 to Present>

Search Strategy:

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- 1 Dyspnea/ (16256)
  - 2 Pulmonary Disease, Chronic Obstructive/ (25576)
  - 3 Lung Diseases, Interstitial/ (6342)
  - 4 Respiration Disorders/ (6148)
  - 5 Asthma/ (109317)
  - 6 Cough/ (12850)
  - 7 Respiratory Sounds/ (7297)
  - 8 Pulmonary Emphysema/ (14116)
  - 9 1 and (2 or 3 or 4 or 5 or 6 or 7 or 8) (4260)
  - 10 exp diagnostic imaging/ (1836897)
  - 11 9 and 10 (556)
  - 12 \*Pulmonary Disease, Chronic Obstructive/ra, ri, us [Radiography, Radionuclide Imaging, Ultrasonography] (357)
  - 13 \*Lung Diseases, Interstitial/ra, ri, us [Radiography, Radionuclide Imaging, Ultrasonography] (540)
  - 14 11 or 12 or 13 (1420)
  - 15 limit 14 to "all child (0 to 18 years)" (168)
  - 16 14 not 15 (1252)
  - 17 limit 16 to (abstracts and english language and humans and yr="2011 -Current") (327)
  - 18 limit 17 to case reports (41)
  - 19 17 not 18 (286)
  - 20 remove duplicates from 19 (255)

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Literature Search Performed on: 09/07/2016

Beginning Date: January 2011

End Date: August 2016

**Search (basics):**

Dyspnea + radiology/ radiography/ roentgenology

**Database:**

- Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present [08/30/2016]

**Limitations:**

- 2011- present [08/30/2016]
- Excluded non-English articles
- Excluded addresses or autobiography or bibliography or biography or case reports or classical article or comment or dataset or dictionary or directory or duplicate publication or editorial or festschrift or historical article or in vitro or interview or introductory journal article or legal cases or legislation or letter or news or newspaper article or patient education handout or periodical index or personal narratives or portraits or technical report or video-audio media or webcasts

**Results:**

- MEDLINE: 78 citations
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Literature Search Performed on: 02/22/2017

Beginning Date: January 1946

End Date: January 2017

Database: Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

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- 1 Dyspnea/ (17969)
  - 2 chronic.mp. (1137661)
  - 3 magnetic resonance.mp. (615049)
  - 4 dyspnea.mp. (41180)
  - 5 2 and 3 and 4 (101)
  - 6 limit 5 to case reports (62)
  - 7 5 not 6 (39)
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Literature Search Performed on: 08/09/2017

Beginning Date: January 2011

End Date: July 2017

Database: Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

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- 1 Pulmonary Disease, Chronic Obstructive/ (31978)
  - 2 exp Radiography/ or exp Tomography, X-Ray Computed/ (1039024)
  - 3 Positron-Emission Tomography/ and Fluorodeoxyglucose F18/ (17166)
  - 4 exp Ultrasonography/ (397076)
  - 5 Radionuclide Imaging/ (87638)
  - 6 2 or 3 or 4 or 5 (1420945)
  - 7 1 and 6 (1860)
  - 8 limit 7 to (abstracts and english language and humans and yr="2011 -Current") (895)
  - 9 limit 8 to "all child (0 to 18 years)" (17)
  - 10 limit 9 to (case reports or "review") (5)
  - 11 8 not (9 or 10) (878)
  - 12 remove duplicates from 11 (778)
  - 13 limit 12 to comparative study (85)
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Beginning Date: January 2011

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Search Strategy:

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- 1 exp Diagnostic Imaging/ (2430931)
  - 2 Lung Diseases, Interstitial/ (7879)
  - 3 1 and 2 (2459)
  - 4 limit 3 to (abstracts and english language and humans and yr="2011 -Current") (728)
  - 5 limit 4 to "all child (0 to 18 years)" (81)
  - 6 limit 4 to (case reports or "review") (310)
  - 7 4 not (5 or 6) (379)
  - 8 remove duplicates from 7 (329)
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Search Strategy:

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- 1 exp Diagnostic Imaging/ (2430931)
  - 2 Pleura/ (9587)
  - 3 1 and 2 (2112)
  - 4 limit 3 to (abstracts and english language and humans and yr="2011 -Current") (233)
  - 5 limit 4 to "all child (0 to 18 years)" (36)
  - 6 limit 4 to (case reports or "review") (103)
  - 7 4 not (5 or 6) (110)
  - 8 remove duplicates from 7 (101)
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Literature Search Performed on: 08/10/2017

Beginning Date: January 2011

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Search Strategy:

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- 1 exp Diagnostic Imaging/ (2461389)
  - 2 Diaphragm/ (20087)
  - 3 1 and 2 (3565)
  - 4 limit 3 to (abstracts and english language and humans and yr="2011 -Current") (385)
  - 5 limit 4 to "all child (0 to 18 years)" (71)
  - 6 limit 4 to (case reports or "review") (155)
  - 7 4 not (5 or 6) (189)
  - 8 remove duplicates from 7 (167)
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Literature Search Performed on: 08/10/2017

Beginning Date: January 2011

End Date: July 2017

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Search Strategy:

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- 1 exp Diagnostic Imaging/ (2461389)
  - 2 Thoracic Wall/ (3779)
  - 3 1 and 2 (1138)
  - 4 limit 3 to (abstracts and english language and humans and yr="2011 -Current") (383)
  - 5 limit 4 to "all child (0 to 18 years)" (100)
  - 6 limit 4 to (case reports or "review") (190)
  - 7 4 not (5 or 6) (128)
  - 8 remove duplicates from 7 (120)
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## **Literature Search Summary**

Of the 68 citations in the original bibliography, 18 were retained in the final document.

Literature searches were conducted in August 2015, September 2016, February 2017 and August 2017 to identify additional evidence published since the *ACR Appropriateness Criteria® Chronic Dyspnea-Noncardiovascular Origin* topic was finalized. Using the search strategies described above, 1174 unique articles were found. 43 articles were added to the bibliography. The remaining articles were not used due to either poor study design, the articles were not relevant or generalizable to the topic, or the results were unclear or biased.

The author added 37 citations from bibliographies, websites, or books that were not found in the literature searches, including 16 articles outside of the search date ranges.

Three citations are supporting documents that were added by staff.