

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Acute Respiratory Illness in Immunocompromised Patients**

Literature Search Performed on: 02/02/2018

Beginning Date: January 2007

End Date: January 2018

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 Immunocompromised Host/ or immunocompromised.mp. (39272)
- 2 needle biopsy/ or Biopsy, Fine-Needle/ (58413)
- 3 1 and 2 (242)
- 4 exp Diagnostic imaging/ (2397243)
- 5 3 and 4 (84)
- 6 Computed tomography-guided lung biopsy.mp. (24)
- 7 Fungal infection/ or Mucormycoses.mp. or exp Mucormycosis/ or Invasive fungal disease.mp. (24611)
- 8 6 and 7 (1)
- 9 Communicable Diseases/ (26923)
- 10 Lung/ (204400)
- 11 Tomography, X-Ray Computed/ and (9 and 10) (3)
- 12 Biopsy/ (159114)
- 13 1 and 12 (814)
- 14 Immunocompromised Host/ and Opportunistic Infections/ and Tomography, X-Ray Computed/ and lung/ (11)
- 15 5 or 11 or 13 (900)
- 16 Biopsy/ and Cryptogenic Organizing Pneumonia/ (182)
- 17 1 and 16 (3)
- 18 Positron-Emission Tomography/ (45113)
- 19 1 and 4 and 18 (83)
- 20 15 or 19 (973)
- 21 limit 20 to "all adult (19 plus years)" (704)
- 22 limit 21 to case reports (516)
- 23 21 not 22 (188)
- 24 limit 23 to (abstracts and english language and humans and yr="2007 -Current") (78)
- 25 8 or 14 or 17 or 24 (93)
- 26 remove duplicates from 25 (93)

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Literature Search Performed on: 12/21/2017

Beginning Date: January 2007

End Date: November 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 Lung Diseases, Fungal/ (8787)
- 2 Magnetic Resonance Imaging/ (390155)
- 3 1 and 2 (73)
- 4 Immunocompromised Host/ (19803)
- 5 Multidetector Computed Tomography/ (6833)
- 6 4 and 5 (5)
- 7 FDG-PET.mp. (23570)
- 8 4 and 7 (12)

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- 9 Lung diseases/ (69461)
- 10 2 and 9 (614)
- 11 Pneumonia/ (46723)
- 12 2 and 11 (135)
- 13 Pulmonary fungal infections/ (8787)
- 14 2 and 13 (73)
- 15 3 or 6 or 8 or 10 or 12 or 14 (824)
- 16 limit 15 to "all adult (19 plus years)" (394)
- 17 limit 16 to (abstracts and english language and humans and yr="2007 -Current") (136)
- 18 limit 17 to case reports (55)
- 19 17 not 18 (81)
- 20 remove duplicates from 19 (67)

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Literature Search Performed on: 10/04/2017

Beginning Date: January 2013

End Date: September 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>

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**Search Strategy**

- 1 Pneumonia, Staphylococcal/ or Pneumonia, Viral/ or Pneumonia/ or Pneumonia, Bacterial/ or Pneumonia, Pneumocystis/ (67644)
- 2 Bronchopneumonia/ (4080)
- 3 Pulmonary Aspergillosis/ (950)
- 4 Lung Diseases/ (67182)
- 5 Opportunistic Infections/ (11756)
- 6 Severe Acute Respiratory Syndrome/ (4438)
- 7 Tuberculosis, Pulmonary/ (73121)
- 8 Mycobacterium Infections, Nontuberculous/ (5722)
- 9 Pneumonia, Viral/ (5284)
- 10 Candidiasis/ (20864)
- 11 Cryptococcosis/ (7191)
- 12 Mucormycosis/ (3430)
- 13 Histoplasmosis/ (5911)
- 14 Cytomegalovirus Infections/ (23249)
- 15 Respiratory Tract Infections/ (36331)
- 16 Pneumocystis jirovecii/ (1443)
- 17 Nocardia Infections/ (3220)
- 18 Legionnaires' Disease/ (4538)
- 19 HIV/ (18224)
- 20 AIDS/ (77495)
- 21 Immunocompromised Host/ (18731)
- 22 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 (401526)
- 23 21 and 22 (6114)
- 24 exp diagnostic imaging/ (2500558)
- 25 Biopsy, Needle/ or Transthoracic needle biopsy.mp. (48452)
- 26 23 and (24 or 25) (761)
- 27 limit 26 to "all adult (19 plus years)" (556)

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- 28 limit 27 to (abstracts and english language and humans and yr="2013 -Current") (117)
- 29 limit 28 to case reports (84)
- 30 28 not 29 (33)
- 31 remove duplicates from 29 (75)

**Summary**

<b>Source</b>	<b>#Unique Refs</b>	<b>#Retained Refs</b>
Old bibliography	53	26
Literature Search(es)	232	20
Author Added	5	4
Supporting Docs	1	1
<b>Total</b>		<b>51</b>

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.

1 of the author added references were outside the search date range.