

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Imaging of Mediastinal Masses**

Literature Search Performed on: 04/24/2020

Beginning Date: January 2005

End Date: March 2020

Database: Ovid MEDLINE(R) ALL <1946 to April 23, 2020>

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**Search Strategy**

- 1 (exp Fluorodeoxyglucose F18/ and exp Organometallic Compounds/ and Pheochromocytoma/) or (Mediastinum/ and cyst/) or (Sclerosis/ and Mediastinitis/ and Granuloma/) or (Thymus Neoplasms/ and Organometallic Compounds/) (276)
- 2 exp diagnostic imaging/ (2616429)
- 3 1 and 2 (45)
- 4 (Carcinoma/ and Lung Neoplasms/) or (Mediastinal Neoplasms/ and Mediastinum/ and Consensus/) or (Myasthenia Gravis/ and Thymus Gland/) or (Thoracic Wall/ and Thoracic Neoplasms/) or (Bone Neoplasms/ and Chondroblastoma/ and Chondroma/) (2494)
- 5 Diagnosis, Differential/ (447695)
- 6 4 and 5 (214)
- 7 (Diaphragm/ and Lung/) or (Lymphatic Diseases/ and Lymph Nodes/) or (Pulmonary Artery/ and Lung Diseases/) or (Adnexal Diseases/ and Algorithms/) or (Muscle Contraction/ and Muscle Contraction/ and Muscle Relaxation/) or (Postural Balance/ and Spirometry/) (10259)
- 8 Magnetic Resonance Imaging/ (396841)
- 9 7 and 8 (149)
- 10 (Receptors, Somatostatin/ and Thymus Neoplasms/ and Radionuclide Imaging/) or High rate of unnecessary thymectomy.mp. or (Neoplasm Invasiveness/ and Cardiovascular System/ and Tomography, X-Ray Computed/) or (Mediastinal Diseases/ and Evidence-Based Medicine/) (15)
- 11 Magnetic resonance imaging of the chest.mp. or (: Practice Guidelines as Topic/ and Lymphoma/ and Multimodal Imaging/) or (Fluorodeoxyglucose F18/ and Thymus Gland/ and Radiopharmaceuticals/) or (Tomography, X-Ray Computed/ and Thymus Neoplasms/ and Neoplasm Staging/ and Prognosis/) (180)
- 12 3 or 6 or 9 or 10 or 11 (602)
- 13 limit 12 to (english language and humans and yr="2005 -Current") (288)
- 14 limit 13 to case reports (123)
- 15 13 not 14 (165)

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Literature Search Performed on: 07/31/2019

Beginning Date: January 2005

End Date: June 2019

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <1946 to July 30, 2019>

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**Search Strategy**

- 1 Mediastinal Neoplasms/ (13406)
- 2 Thymoma/ and Thymus hyperplasia/ (203)
- 3 Thoracic diseases/ and Clinical Decision-Making/ (1)
- 4 Neoplasms, Nerve Tissue/ and mediastinum/ (10)
- 5 exp Diagnostic Imaging/ (2545642)
- 6 (1 or 2 or 3 or 4) and 5 (5662)
- 7 limit 6 to (abstracts and english language and humans and yr="2009 - Current" and "all adult (19 plus years)") (657)
- 8 (Ganglioneuroma/ and Neoplasms, Nerve Tissue/) or (Thymus Gland/ and Thymus Hyperplasia/ and Magnetic Resonance Imaging/) (78)
- 9 Mediastinal diseases/ and Magnetic Resonance Imaging/ and mediastinal neoplasm/ (18)
- 10 (Mediastinal Neoplasms/ and mediastinum/ and Magnetic Resonance Imaging/) or (Diagnosis, Differential/ and Mediastinal Neoplasms/ and mediastinum/ and Thymus neoplasms/) (83)
- 11 (Mediastinal Neoplasms/ and mediastinum/ and diagnostic imaging/) or (Mediastinal Neoplasms/ and Nervous System Neoplasms/) (24)

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**ACR Appropriateness Criteria®**  
**Imaging of Mediastinal Masses**

- 12 \*Mediastinum/pa [Pathology] (605)
- 13 Tomography, X-Ray Computed/ (364431)
- 14 12 and 13 (158)
- 15 Lung Neoplasms/ and Mediastinal Neoplasms/ and Tomography, X-Ray Computed/ (404)
- 16 Lymphoma/ and Clinical Trials as Topic/ and Tomography, X-Ray Computed/ (15)
- 17 8 or 9 or 10 or 11 or 14 or 15 or 16 (757)
- 18 limit 17 to (english language and humans and yr="2005 -Current") (259)
- 19 7 or 18 (847)
- 20 limit 19 to case reports (509)
- 21 19 not 20 (338)
- 22 limit 1 to practice guideline (8)
- 23 Lymphatic Diseases/ and Magnetic Resonance Imaging/ and Thymus gland/ (18)
- 24 ((Anterior mediastinal masses and the Framingham Heart Study) or Approaching the patient with an anterior mediastinal mass).tw. (3)
- 25 21 or 22 or 23 or 24 (366)
- 26 remove duplicates from 25 (366)

**Summary**

Source	#Unique Refs	#Retained Refs
Old bibliography	0	0
Literature Search(es)	523	80
Author Added	32	31
Supporting Docs	1	1
Total		112

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.