## 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

### Search Strategy

1. (exp Fluorodeoxyglucose F18/ and exp Organometallic Compounds/ and Pheochromocytoma/) or (Mediastinum/ and cyst/) or (Sclerotic/ and Mediastinitis/ and Granuloma/) or (Thymus Neoplasms/ and Organometallic Compounds/) (276)  
2. exp diagnostic imaging/ (2616429)  
3. 1 and 2 (45)  
4. (Carcinosarcoma/ 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 (Adrenal 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>

### 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)
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.