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 (Sclerosis/ 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
(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)

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.