**Search Strategy**

1. Radiography, Thoracic/ (29733)
2. chest radiograph$.mp. (19377)
3. (Intensive Care Units/ and Tension Pneumothorax.mp.) or cardiopulmonary ultrasound.mp. (19)
4. critical care/ or intensive care/ (46554)
5. 2 and Intensive Care Units/ (248)
6. ultrasound.mp. (211699)
7. 2 and 6 (717)
8. 1 and 4 (161)
9. (integrated approach and chest x-rays).mp. (1)
10. Lung/dg [Diagnostic Imaging] (22416)
11. pulmonary surgery.mp. (2782)
12. 2 and 11 (9)
13. dutch intensive care unit$.mp. (43)
14. 2 and 13 (1)
15. Ultrasonography/ (166071)
16. 3 or 5 or 7 or 8 (1102)
17. 10 and 15 (809)
18. limit 17 to (abstracts and english language and humans and yr="2000 -Current") (391)
19. 9 or 12 or 14 or 16 or 18 (1452)
20. (cardiothoracic surgery and cardiac surgery and chest X-ray and lung ultrasound and postoperative pulmonary complications).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (1)
21. (Acute care and Imaging and Ultrasound and Imaging and X-Rays and Ultrasound and X-Rays).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (3)
22. (catheter and critical care and emergency medicine).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (18)
23. *Catheterization, Central Venous/ or Catheterization, Central Venous*.mp. (13842)
24. Critical Illness/ (23366)
25. Pneumothorax/ (15902)
26. 23 and 24 and 25 (5)
27. (Chest X-ray and Esophagectomy and Morbidity).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (5)
28. 20 or 21 or 22 or 26 or 27 (32)
29. limit 19 to case reports (233)
30. 19 not 29 (1219)
31. limit 30 to (abstracts and english language and yr="2000 -Current") (929)
32. limit 31 to "all child (0 to 18 years)" (203)
33. 31 not 32 (726)
34. 28 or 33 (755)

**Summary**
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.

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