

Learning Objectives for Respiratory System

After studying your lecture notes and **Chapters 3 and 13** in the textbook, and completing the exercises in class, you should be able to:

1. Describe anatomy and physiology of the chest and lungs.
2. Describe interview questions pertinent to chest and lung examination.
3. Identify appropriate equipment used for chest and lung examination.
4. Discuss inspection, palpation, percussion, and auscultation techniques for examination of the chest and lungs.
5. Identify age-specific variations in chest and lung examination.
6. Identify examination findings associated with various conditions of the chest and lungs.

Key terms and concepts to know for the quiz, practical examination, and test:

1. General inspection
2. Techniques and interpretation of palpation
3. Techniques and interpretation of percussion
4. Techniques and interpretation of auscultation
5. Respiration measurement
6. Respiration modifiers/descriptors
7. Proper use of stethoscope and correct selection of bell vs. diaphragm
8. Lung anatomy—fissures, apex, base, lobes, cardiac impression, trachea, bronchi, acini
9. Pulmonary circulation—pulmonary veins and arteries, aorta, SVC, IVC
10. Thoracic landmarks
11. Descriptors of respiration (also described in the Vital Signs lectures)
12. Pectus excavatum and carinatum
13. Normal breath sounds
14. Bronchophony
15. Whispered pectoriloquy
16. Egophony
17. Adventitious breath sounds
18. Stridor
19. Wheeze
20. Pleural friction rub
21. Percussion tones
22. Diaphragmatic excursion
23. Characteristics of cough
24. Sputum characteristics
25. Diaphragmatic hernia
26. Tables of examination findings of common respiratory conditions
27. Common lung abnormalities