

The Bachelor's Program of Physical Medicine and Rehabilitation
Basics of Diagnostics (IV Semester)

1. General considerations in clinical Medicine
2. History Taking
 - 2.1. Components of Skilled Interviewing (*Part I, Chapter 3, pp. 58 – 63*);
 - 2.2. Sensitive topics in interviewing (*Part I, Chapter 3, pp. 85 – 91*);
 - 2.3. Principles of Ethical Issues and Professionalism (*Part I, Chapter 3, pp. 92-96*)
 - 2.4. Comprehensive and Focused Patient Assessment (*Part II, Chapter 1, pp. 4 – 6, additional reading Part II – pp 1-2 of the Part, "Chapter 41. The clinical Approach to the Patient*);
 - 2.5. The comprehensive adult health history (*Part II, Chapter 1, pp. 6 – 13, additional reading Part II – pp 1-2 of the Part, "Chapter 41. The clinical Approach to the Patient*);
3. Physical Examination
 - 3.1. Cardinal Techniques of Examination (Part III, pp. 17 – 19);
 - 3.2. Components of Physical Examination (Part III, pp. 19 – 23);
4. Steps in Clinical Reasoning (Part III, pp. 27 – 30)
5. Symptoms of respiratory system disease
 - 5.1. Breathing – anatomical and physiologic considerations (from Part VI)
 - 5.2. Complaints/clinical signs/ symptoms:
 - 5.3. Chest pain (from Part VI, Table 8-1)
 - 5.4. Shortness of breath (dyspnea) (from Part VI, Table 8-2, additional readings in Part VII, Chapter 351)
 - 5.5. Skin Color, Cyanosis, Clubbing of fingers (from Part V, pages 172, 177, 183, 202)
 - 5.6. Cough (from Part VI, Table 8-3, additional readings in Part VII, Chapter 352)
 - 5.7. Hemoptysis (from Part VI, Table 8-3, additional readings in Part VII, Chapter 353)
6. Methods of investigation of respiratory system:
 - 6.1. chest palpation: General concept and main finding (from Part VI);
 - 6.2. chest percussion: General concepts, normal percussion sounds and pathological changes (from Part VI);
 - 6.3. lung auscultation: General concepts, normal auscultation sounds and pathological changes (from Part VI).
7. Symptoms of respiratory failure
8. Hypoxemia (Part VII, Chapter 350)
9. Acute respiratory failure (Part VII, Chapter 356)
10. Laboratory and instrumental methods of investigation respiratory system - general procedural concepts (Part VII, Chapters 350-353)
11. Methods of investigation of cardiovascular system:
12. Cardiac Chambers, Valves, Circulation (Part VIII, p.335)
13. Cardiac Cycle and Heart Sound (Part VIII, pp.336-340)
14. Conduction system and Principles of ECG (Part VIII, pp.341-342 additional reading in the Part IX, Chapter 84; first three pages))
15. Pumping Function (Part VIII, p.342)
16. Complaints; clinical signs; symptoms;

- 16.1. Chest pain (from Part VI, Table 8-1)
- 16.2. Shortness of breath (dyspnea) (from Part VI, Table 8-2, additional readings in Part VII, Chapter 351);
- 16.3. Skin Color, Cyanosis (from Part V, pages 172, 177, 183, 202)
- 16.4. Pulse palpation and heart palpation;
17. Laboratory and instrumental methods of investigation of cardiovascular disease;
18. Exercise testing: General Concepts (in the Part IX, Chapter 84);
19. Ambulatory ECG Monitoring: General Concepts (in the Part IX, Chapter 84);
20. Echocardiography: General Concepts (in the Part IX, Chapter 85, up to “clinical indications”);
21. Diagnostic and Therapeutic Catheterization: General Concepts (in the Part IX, Chapter 87, up to “Hemodynamic Measurements”);
22. Methods of investigation of Abdomen:
23. Anatomical and physiologic considerations for abdominal investigation (from Part X)
24. Imaginary lines of abdominal wall and topography of abdominal organs (from Part X , pp434-435);
25. Gastrointestinal Complaints/clinical signs/ symptoms:
 - 25.1. Abdominal pain, mechanism and patterns (from Part X, pp. 436-440, Table 11-1)
 - 25.2. Symptoms associated with abdominal pain (from Part X, pp. 440-441, Table 11-5)
 - 25.3. Dysphagia and/or Odynophagia (from Part X, pp. 441-442, Table 11-2)
 - 25.4. Diarrhea and Constipation (from Part X, pp. 442-443, Table 11-3, 11-4)
 - 25.5. Jaundice (from Part X. pp.443-444, Table 8-3)
26. Examination of the abdomen: (from Part X. pp.452-
 - 26.1. Inspection (from Part X. pp.452-454, Table 11-9);
 - 26.2. Auscultation (from Part X. pp.454-455);
 - 26.3. Percussion (from Part X. pp.455);
 - 26.4. Palpation (from Part X. pp.455-457 Table 11-11);
27. Examination of the Liver (from Part X. pp.457-461 Table 11-12);
28. Examination of the Spleen (from Part X. pp.451-463);
29. Examination of the Kidneys (from Part X. pp. 463);
30. Special Examinations:
 - 30.1. Ascitis (from from Part X. pp. 466-467, Table 11-9)
 - 30.2. Appendicitis (Part X. pp. 467-468);
 - 30.3. Ventral Hernias (Part X, p.468, Table 11-8)
31. Methods of investigation of Kidneys and Urinary tract:
32. Complaints; clinical signs;
 - 32.1. Pain specific to Kidneys and Urinary tract [Kidney or Flank pain, Ureteral pain, Suprapubic pain] *(from Part XII, pp.445, 446)*
 - 32.2. Dysuria *(from Part XII, p.445 Table 11-6);*
 - 32.3. Polyuria, nocturia *(from Part XII, pp. 445-446, Table 11-6)*
 - 32.4. Urinary Inconsistence *(from Part XII, p.446, Table 11-7)*
 - 32.5. Hematuria *(from Part XII, p.446)*
33. Physical Methods of investigation;
 - 33.1. Palpation of kidneys *(from Part XII, pp. 463-464)*
 - 33.2. Percussion Tenderness of the kidney *(from Part XII, p. 464);*
 - 33.3. Possibilities of investigation of bladder *(from Part XII, p. 464)*