

Propedeutics of Internal diseases
Department of Propedeutics of Internal diseases
For students of 2nd course of Medical faculty

Topic 1: Introduction into Internal Medicine. Medical ethics and deontology

1. Definition of concepts «internal diseases», "therapy", «propedeutics of internal diseases».
2. Health services of therapeutic patients.
3. Structure and the organization of work of therapeutic department.
4. Medical ethics and deontology.
5. Structure and the primary tasks of propedeutics of internal diseases.
6. Symptom. Classification of symptoms. Definition of concept "syndrome".
7. The diagnosis: definition, types.
8. Methodology of diagnostic process.

Topic 2: Subjective examination of patient. Case history.

1. Methods of examination of patients: classification, the characteristic.
2. General plan of examination of the patient.
3. Sections of a case history (case report) of the patient
4. Medical and legal value of the case history
5. Inquiry as a method of the research. The value of the passport data of the patient.
6. Technique of gathering of complaints of the patient. The basic (main) and additional (minor) complaints.
7. History of the disease.
8. History of life (past history).

LITERATURE

1. Пронько, Т. П. Пропедевтика внутренних болезней = Propaedeutics of internal diseases : учеб. пособие для иностр. студентов учреждений высш. образования по специальности "Лечеб. дело" / Т. П. Пронько, Е. М. Сурмач, А. В. Пырочкин. – Минск : Адукацыя і выхаванне, 2020. – 471 с. : ил., табл. – Допущено М-вом образования Респ. Беларусь.
2. Ivashkin, V.T. Internal diseases propedeutics. / V.T. Ivashkin., A.V. Okhlobystin. – М.: GEOTAR-Media, 2006.
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Topic 3: General survey: general condition, position of the patient, consciousness condition, characteristic of skin and visible mucous, lymph nodes, edemas.

1. General survey of the patient.
2. The general condition (state) of the patient.
3. Types of the patient's position.
4. Consciousness of the patient.
5. Condition of the skin and its appendages.
6. Determination of subcutaneous fat development.
7. Examination of lymph nodes
8. Edemas: definition, types.

Topic 4: General survey: Examination of muscles, bones and joints. Body constitution.

1. Body-build and constitution.
2. Features of constitutional types.
3. Examination of muscles, joints and bones.

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Topic 5: Objective methods of examination of respiratory organs. Thorax survey. Thorax palpation.

1. Thorax survey. Types.
2. Static survey of thorax: procedure, diagnostic value.
3. Dynamic survey of thorax: procedure, diagnostic value.
4. Determination of frequency, depth, type and rhythm of breathing.
5. Palpation of thorax.
6. Determination of resistance and elasticity of thorax and vocal fremitus. Diagnostic value.
7. Determination of respiratory excursion of a thorax.

Topic 6: Percussion. Types, techniques. Comparative and topographical percussion of lungs.

1. Determination and physical bases of percussion as method of objective research of patients.
2. Rules, techniques and types of percussion.
3. Rules and technique of the comparative percussion of lungs.
4. Types of percussion sound.
5. Projection of the lower edge of lungs to the thorax.
6. Rules of topographical percussion of lungs.
7. Technique of topographical percussion lungs: determination of the lower and top borders of lungs, width of Crenig's areas and mobility of the lower edge of lungs.

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Topic 7: Objective method of examination of respiratory organs - auscultation of lungs.

1. Definition of auscultation.
2. Types of auscultation.
3. Physical bases of auscultation.
4. General rules of auscultation. Rules and techniques of lungs auscultation.
5. Classification of respiratory murmurs.
6. The occurrence mechanism of vesicular respiration and its characteristic in norm.
7. What is the bronchial respiration? Where it is auscultated in norm?
8. The mixed respiration: the occurrence reasons, diagnostic value.
9. Additional respiratory murmurs: rales, rhonchi, crepitation. Reasons, diagnostic value.

Topic 8: Objective methods of examination of cardiovascular system: survey of heart area, palpation and percussion of heart.

1. Apex beat palpation: technique, diagnostic value.
2. Rules of percussion of heart.
3. Absolute and relative dullness of heart.
4. Configuration of heart.
5. Percussion of vascular fascicle (vascular bunch).

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Topic 9: Objective methods of examination cardiovascular system – auscultation of heart.

1. Intraheart hemodynamic.
2. Definition and classification of heart sounds (tones).
3. The mechanism of 1st tone formation.
4. The mechanism of 2nd tone formation.
5. The mechanism of formation 3rd and 4th tones
6. Places of projection of heart valves on the thorax and their points of auscultation.
7. Rules of auscultation of the heart
8. The characteristic of heart tones at auscultation of heart apex (mitral valve) and the basis of xiphoid process (tricuspid valve).
9. The characteristic of heart tones at auscultation of the basis of heart (valves of aorta and pulmonary artery).
10. Point of Botkin-Erb (V point of auscultation): localization, value.

Topic 10: Examination of blood vessels, methods of measurement of blood pressure.

1. Procedure of pulse palpation.
2. Basic properties of pulse.
3. Procedure of auscultation of large vessels.
4. Blood pressure measurement

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Topic 11: ECG. Registration and Interpretation Methodology.

1. Electrocardiography definition.
2. Characteristics of myocardial cells.
3. The process of excitation of the heart.
4. Important definitions of Electrocardiography
5. Basic law of the ECG.
6. ECG recording technique
7. ECG leads.
8. Waves, segments, intervals on the ECG.
9. The scheme of ECG analysis.

Topic 12: Objective methods of examination: abdominal inspection, palpation and percussion of the abdomen.

1. Topographical areas of abdomen.
2. Stomach survey: technique, diagnostic value of revealed changes. Distinguishing signs of ascites, meteorism and obesity
3. Percussion of abdomen: technique, diagnostic value of revealed changes.
4. Physical methods of definition of the bottom border of stomach: technics of percutory palpation of stomach on V. P. Obratsov, method of auscultatory friction. Diagnostic value
5. Determination of free and encysted liquid in the abdominal cavity: techniques, diagnostic value.
6. Auscultation of abdomen: diagnostic value of auscultation of peristaltic noises and noise of friction of peritoneum
7. General rules of palpation of the abdomen
8. Techniques of superficial palpation of the abdomen.
9. The purposes and diagnostic value of superficial palpation of the abdomen.
10. Techniques of palpation of organs of abdominal cavity.
11. Techniques of palpation of the pancreas, its characteristic.

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Topic 13: Percussion and palpation of liver and spleen.

1. Methods of palpation of the gallbladder.
2. Methods of palpation of the lower edge of the liver.
3. Characteristics of the lower edge of the liver in normal and pathological conditions.
4. Percussion method of determining liver sizes, the reasons for their change.
5. Method of liver percussion by Obratsov, by Kurlov, normal sizes of the liver.
6. Method of spleen percussion, its normal sizes, changes in pathology.
7. Methods of palpation of the spleen, diagnostic value.

Topic 14: Objective methods of examination of urinary system. Laboratory and instrumental methods of diagnostics.

1. Percussion of kidneys (Pasternatsky's symptom).
2. Percussion and palpation of urinary bladder: procedure, diagnostic value.
3. Rules and techniques of palpation of kidneys, diagnostic value.
4. Painful points revealed at diseases of urinary paths.
5. Auscultation of renal arteries.
6. Urine analysis. Examination of physical properties of urine.
7. Chemical examination of urine and its diagnostic value.
8. Microscopic examination of urine.
9. Methods of quantitative assessment of blood cells in urine.
10. Functional examination of kidneys.
11. Instrumental examination of kidneys.

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TOPIC 15

Practical skills.

1. General survey of the patient.
2. Palpation of thyroid gland.
3. Palpation of lymph nodes
4. Objective examination of muscles, bones and joints.
5. Thorax survey.
6. Palpation of the thorax.
7. Comparative percussion of lungs.
8. Topographical percussion of lungs.
9. Auscultation of lungs.
10. Definition of pulse.
11. Percussion of hearts.
12. Palpation of hearts and large vessels
13. Auscultation of heart.
14. Auscultation of large vessels (carotid, renal, aorta).
15. Measurement of blood pressure.
16. Survey of the abdomen.
17. Percussion of abdomen. Definition of liquids in the abdominal cavity.
18. Auscultation of abdomen.
19. Superficial palpation of the abdomen.
20. Deep palpation of the abdomen.
21. Percussion of liver.
22. Palpation of liver.
23. Percussion and palpation of spleen.
24. Palpation of pancreas.
25. Palpation of kidneys, pain points and urinary bladder.
26. Percussion of kidneys.

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Topic 16: Examination of endocrine system - technique of palpation of thyroid gland. Laboratory and instrumental methods of diagnostics.

1. Thyroid gland palpation
2. Degrees of augmentation of thyroid gland
3. Laboratory examination of patients with diseases of thyroid gland.
4. Instrumental examination of thyroid gland.

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