

The Ministry of Health of Ukraine
National Pirogov Memorial Medical University, Vinnytsya
The direction – 1201 “Medicine”
Specialty – 7.12010001 “General Medicine”

«Considered»
on the methodical council of
therapeutic disciplines
Protocol № 4 from 21.01.2020
Chairman _____
prof. Stanislavchuk M.A.

Instruction to the station №9
"Auscultation of the Lungs and Heart"

At the station, the student must greet and introduce himself, present a student identification card and a route sheet to the teacher.

The student receives a clinical task, which has auscultation of the lungs or heart on the mannequin.

Auscultation of the lungs

1. Take positions from the side of the patient so that the exhaled air flows are parallel.
2. To auscultate on symmetrical parts of the chest.
3. To auscultate in supraclavicular areas.
4. To auscultate in subclavicular areas and to the 3rd intercostal along 1. medioclavicularis
5. To auscultate to the right below the 3rd intercostal space in 1. parasternalis dextra and 1. medioclavicularis dextra to the 6th intercostal space.
6. To auscultate in axillary areas along lin. axilaris media.
7. To auscultate in the suprascapularis areas above the spina scapulae.
8. To auscultate along the inner sides of the scapulas in the interscapularis area.
9. To auscultate in sub-scapularis areas along 1. scapularis to IX intercostal space.
10. During auscultation in each area, you must auscultate to the main respiratory noise.
11. In the presence of additional respiratory noise, breathing is heard deep through the mouth, against the background of forced inspiration and exhalation, after coughing, pressing the phonendoscope more tightly, simulating the inspiration.
12. To make a general conclusion regarding the auscultation of the lungs, indicating the localization of the pathological process.
13. To establish the probable diagnosis or auscultatory syndrome.

NB! Pay attention!

If additional noise is not auscultated, then it is necessary to tell it. The task asks to auscultate an additional murmures.

The auscultation of the heart

1. Using examination, palpation, and percussion, determine the 1st auscultation point.
2. Place the phonendoscope in the 1st point of auscultation (the norm is sn the 5th intercostal space at 1-1.5 cm to the middle from the line Medioclavicularis sinistra - the point of the best hearing of the mitral valve) and auscultate at at the usual breathing.
3. Place the phonendoscope in the 2nd point of auscultation (the second intercostal space to the right from the sternum is the point of auscultation of the aortic valve) to auscultate it at at the usual breathing.
4. Place the phonendoscope in the 3rd auscultation point (the second intercostal space to the left of the sternum - the point of auscultation of the valve of the pulmonary artery) to auscultate it at the usual breathing.
5. To compare the volume of 2nd tone above the aorta and pulmonary artery.
6. To place the phonendoscope in the 4th auscultation point (the base of the xiphoid process on the right from the sternum - the point of auscultation of the tricuspid valve) to listen at the usual breathing.
7. To auscultate at the 5th auscultation point (IV intercostal space left from the sternum) - an additional point for auscultation to the aortic valve.
8. Make a general conclusion about the auscultation of the heart: the rhythmic of the tones, the volume of the I tone, the volume of the II tone, the accent of the second tone, it there is the murmur, characterise it (systolic or diastolic, points of auscultation).
9. Determine the presence of auscultative phenomens (rhythm of copper, rhythm gallop, presence of a pathological III-tone), if indicated in the clinical task.
10. Determine a heart defect or establish a diagnosis for which this auscultation pattern is specific. Take into account the clinical task.

NB! Pay attention!

The correctness of auscultation technique is evaluated

After completing the assignment or ending the time at the station, return the task to the teacher, pick up your route card with a mark on the station and leave the station.