

MINISTRY OF HEALTH OF UKRAINE  
DANYLO HALYTSKY LVIV NATIONAL MEDICAL UNIVERSITY  
OBJECTIVE STRUCTURED PRACTICAL (CLINICAL) EXAMINATION  
DEPARTMENT OF INTERNAL MEDICINE N 1

**7.12010001 General Medicine**

(specialty)

**CONTROL CHECKLIST**

Task Completing on the Station N 2

**PRACTICAL SKILL "ECG ANALYSIS"**

Date " \_\_\_\_\_ ", 2021

Exam group \_\_\_\_\_

Individual identification number of a student completing OSP(C)E \_\_\_\_\_

№	Elements of the task completing	Points for completing the task		
		completed	partially completed	not completed
1.	Student greeted, introduced himself/herself	0.1	0.05	0
2.	Determined the voltage and the source of excitation (rhythm driver)	0.1	0.05	0
3.	Determined the rhythm regularity and frequency	0.1	0.05	0
4.	Determined the heart electrical axis position and electrical systole of QT	0.1	0.05	0
5.	Determined the conduction: measured PQ (PR), QRS intervals	0.1	0.05	0
6.	Performed the analysis of P-wave (duration and amplitude in II lead, two-phased in V1) and Q-wave (presence in two adjacent leads, duration and amplitude)	0.1	0.05	0
7.	Performed the analysis of R- and S-waves: $\Delta$ wave presence, height of R in aVL, R/S ratio in V1 and V6; determine the Sokolow-Lyon voltage index; checked whether there is hypertrophy of the chambers of the heart, and if so, named the signs of hypertrophy	0.1	0.05	0
8.	Checked for the signs of the possible heart rhythm or conduction disorders, and in case of positive result – name the signs of the detected arrhythmia or block	0.1	0.05	0
9.	Analyzed ST interval (displacement of ST segment from the isoline down or up) and T wave (negative T) in two adjacent leads	0.1	0.05	0
10.	Determine if there is ischemia or myocardial infarction or no and if yes - name the signs, localization of the ischemia or myocardial infarction, type (STEMI, with Q-wave) and phase of the myocardial infarction	0.1	0.05	0
	Total score	1.0		

Practical skill "ECG analysis" is completed if a student scored not less than 0.6 points (60% of the maximum number of points).

Total number of point scored by a student \_\_\_\_\_

Completed

Not completed

Name, surname of an examiner \_\_\_\_\_ Signature of an examiner \_\_\_\_\_

Затверджено на засіданні профільної методичної комісії з терапевтичних дисциплін

Протокол № 4 від «25» березня 2021 року

Голова профільної методичної комісії \_\_\_\_\_ проф. Радченко О. М.

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**CONTROL CHECKLIST**

Task Completing on the Station N 2

**PRACTICAL SKILL "ANALYSIS OF ECHOCARDIOGRAM"**

Date " \_\_\_\_\_ ", 2021

Exam group \_\_\_\_\_

Individual identification number of a student completing OSP(C)E \_\_\_\_\_

№	Elements of methodics performing	Points for completing the task		
		completed	partially completed	not completed
1.	Student greeted, introduced himself/herself	0.1	0.05	0
2.	Evaluated and interpreted the size of the right and left ventricle	0.1	0.05	0
3.	Evaluated the size of the left atrium and the ascending aorta diameter	0.1	0.05	0
4.	Evaluated and interpreted the thickness of the interventricular septum and LV back wall in diastole	0.1	0.05	0
5.	Evaluated the left ventricular ejection fraction, named the criterion of the systolic dysfunction	0.1	0.05	0
6.	Assessed the mitral and tricuspid valves state (insufficiency, stenosis, divergence of valve leaflets, calcification, vegetations)	0.1	0.05	0
7.	Assessed the aortic and pulmonary artery valves (insufficiency, stenosis, divergence of valve leaflets, calcification, vegetations)	0.1	0.05	0
8.	Evaluated the segmental left ventricular contractility (normokinesia hypo- or akinesia)	0.1	0.05	0
9.	Evaluated the presence of pulmonary hypertension (yes, no), presence of fluid in the pericardial cavity	0.1	0.05	0
10.	Evaluated the diastolic dysfunction (yes, no)	0.1	0.05	0
	Total score	1.0		

Practical skill "Analysis of echocardiogram" is completed if a student scored not less than 0.6 points (60% of the maximum number of points).

Total number of point scored by a student \_\_\_\_\_

Completed

Not completed

Name, surname of an examiner \_\_\_\_\_ Signature of an examiner \_\_\_\_\_

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Task Completing on the Station N 2

**PRACTICAL SKILL "COMPLETE BLOOD COUNT AND URINANALYSIS"**

Date " \_\_\_\_\_ ", 2021

Exam group \_\_\_\_\_

Individual identification number of a student completing OSP(C)E \_\_\_\_\_

№	Elements of methodics performing	Points for completing the task		
		completed	completed	completed
1.	Student greeted, introduced himself/herself	0.1	0.05	0
2.	Evaluated the hemoglobin content in blood (norm - 130.0-160.0 g/l - for men, 120.0-140.0 g/l - for women), erythrocytes content in blood (norm - $4.0-5.0 \times 10^{12}/l$ - for men, $3.9-4.7 \times 10^{12}/l$ - for women), reticulocytes (norm 5.0-15.0 %), platelet content (norm $180.0-320.0 \times 10^9/l$ ), leukocytes (norm $4.0-9.0 \times 10^9/l$ ).	0.1	0.05	0
3.	Evaluated the the mean corpuscular volume of erythrocytes (MCV) (norm 82.0-98.0 fl) and the average content of hemoglobin in erythrocyte (MCH) (norm 27.0-33.0 pg), color index (norm 0.85-1.15), signs of hyper-/hypochromia, micro-/macrocytosis.	0.1	0.05	0
4.	Evaluated the leukocyte formula: rodenuclear neutrophils (norm 1.0-5.0%); bands (norm 50.0-72.0%); eosinophils (norm 1.0-5.0%); basophils (norm 0.5-1.0%); lymphocytes (norm 18.0-38.0%); monocytes (norm 2.0-10.0%); myelocytes, metamyelocytes, plasmatic cells, blasts (normally absent).	0.1	0.05	0
5.	Evaluated the erythrocyte sedimentation rate (ESR) (norm - 1-10 mm/h - for men, 2-15 mm/h - for women)? the presence of anisocytosis, micro- and macrocytosis, poikilocytosis, J. M. Jolly bodies, R. C. Cabot rings, F. A. Gumprecht shadows, hypersegmentation of neutrophils/	0.1	0.05	0
6.	Evaluated and named causes of the urine color changes (normally – light-yellow) and urine density (normally - 1002-1030).	0.1	0.05	0
7.	Interpreted the presence of protein in urine (normally - 0.033 g/l, traces), minimal proteinuria - not more than 1.0 g/l; moderate - 1.0-3.0 g l; massive - more than 3.0 g/l; erythrocytes (normally - 0-1 in the field of view), named the causes of massive proteinuria and macrohematuria.	0.1	0.05	0
8.	Interpreted the presence of leukocytes in the urine sediment (normally - 0-1 in the field of view) and bacteriuria (if bacteria amount is more than $1 \times 10^5/ml$ ), named the possible causes of these changes.	0.1	0.05	0
9.	Interpreted the presence of cylinders, epithelial cells in the urine sediment, ketone bodies.	0.1	0.05	0
10.	Made a conclusion on the received results.	0.1	0.05	0
Total score:		1.0		

Practical skill "Complete blood count and urinalysis" is completed if a student scored not less than 0.6 points (60% of the maximum number of points).

Total number of point scored by a student \_\_\_\_\_

Completed

Not completed

Name, surname of an examiner \_\_\_\_\_ Signature of an examiner \_\_\_\_\_

П.І.П. экзаменатора \_\_\_\_\_ Підпис экзаменатора \_\_\_\_\_

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