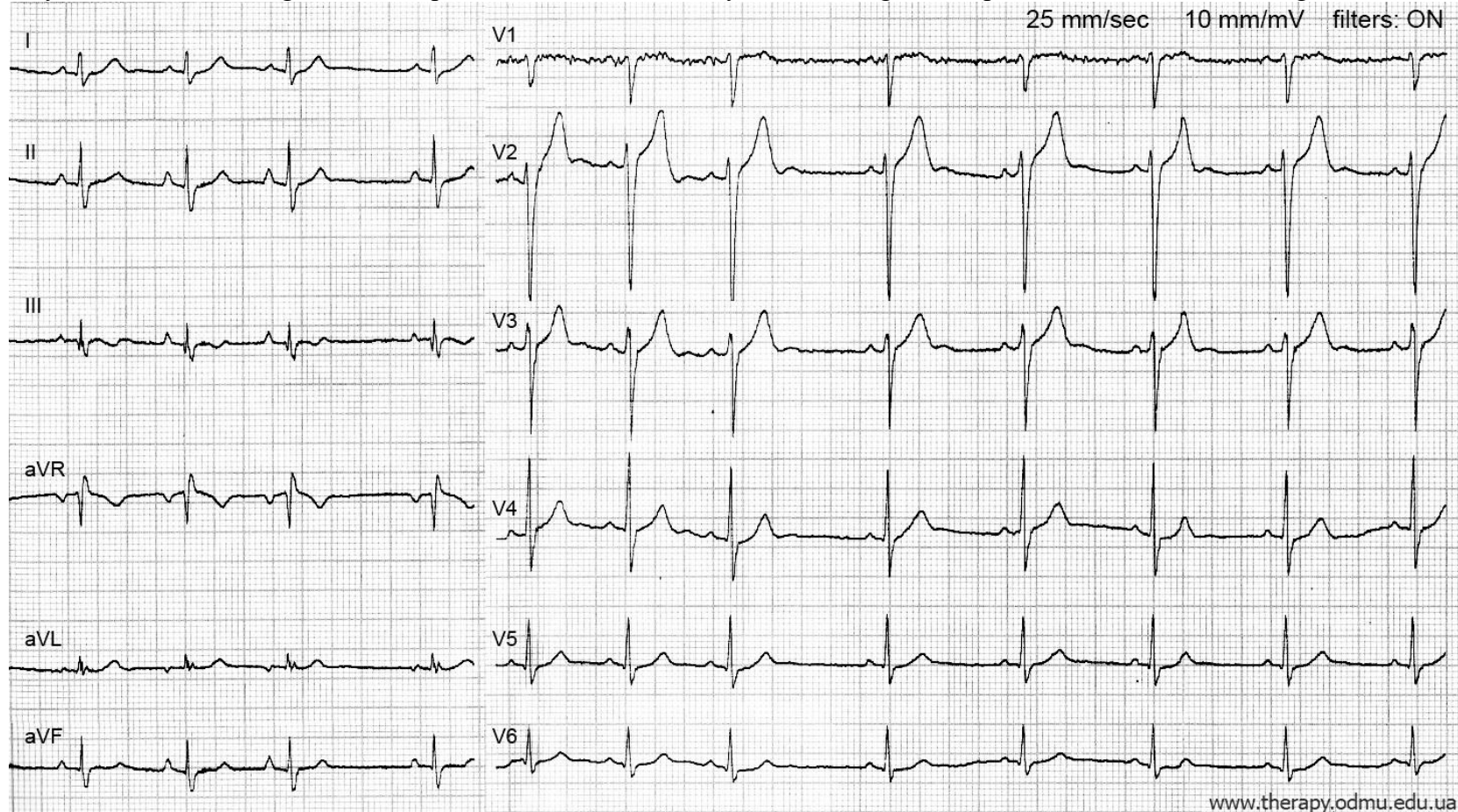


Odesa National Medical University
Internal medicine # 1

Task №1

Young man 18 years old came for regular check up before admission to army. He is having no complaints. BP is 125/75 mm Hg.

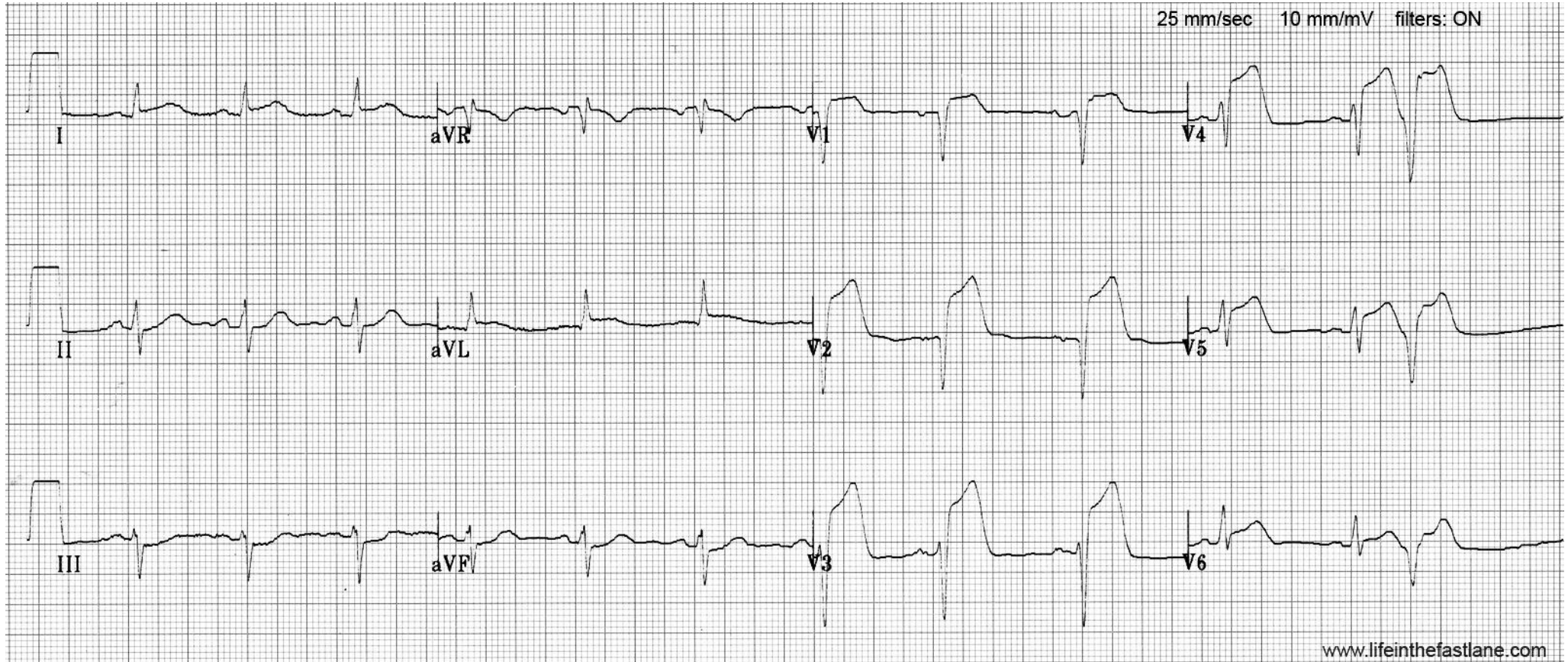


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1. Explain ECG of this patient.
2. Explain the reason of ECG changes?
3. What test can confirm the diagnosis?

Task №2

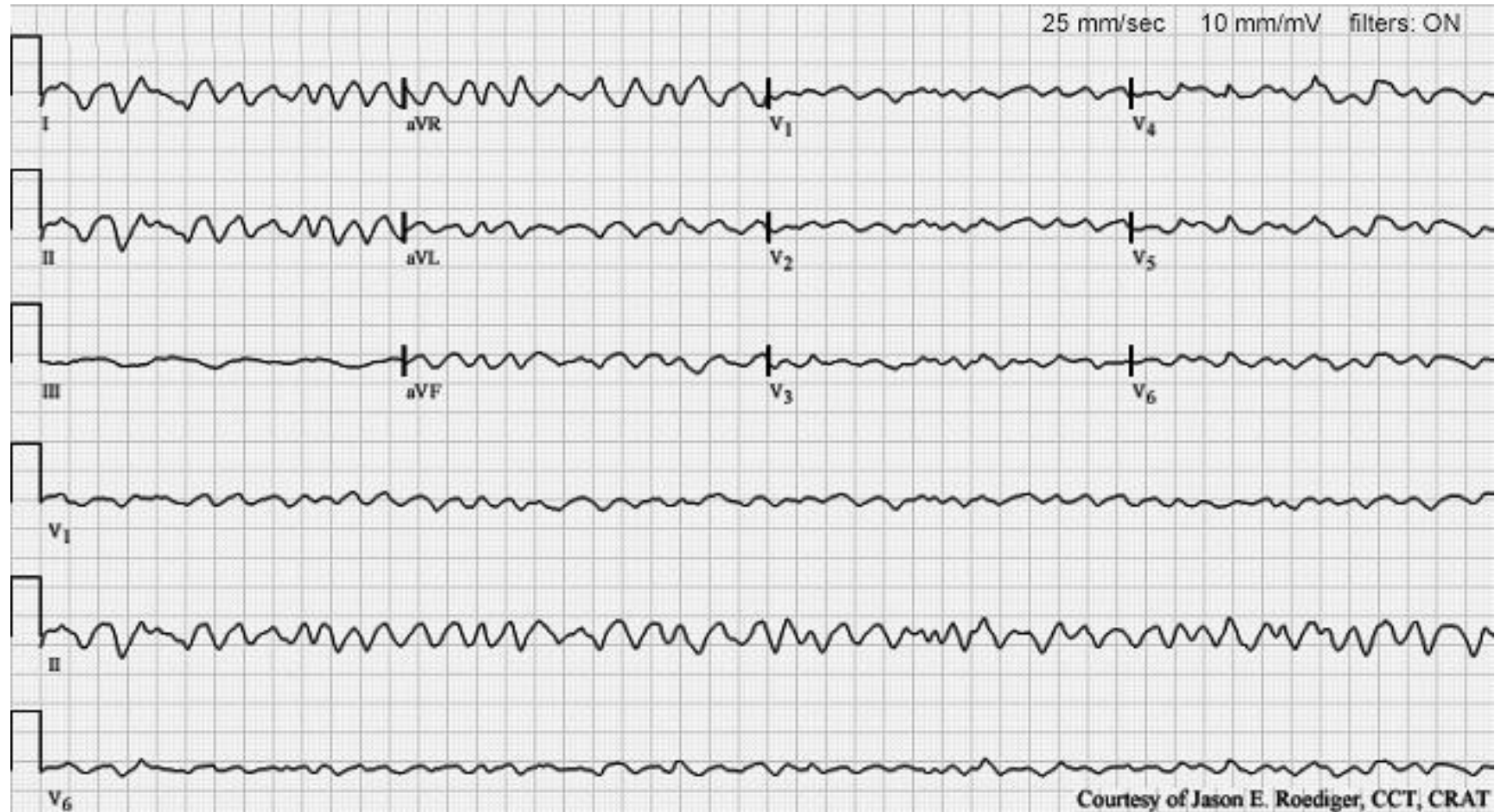
57 years old man admitted with complaints of burning pain in heart region, dyspnea, loss of sensation in 4th and 5th fingers of left hand; pain persists for 7-8 hours. Pulse is weak. BP is 115/65 mm Hg.



1. Explain ECG of this patient.
2. What urgent care should this patient receive in this situation?

Task №3

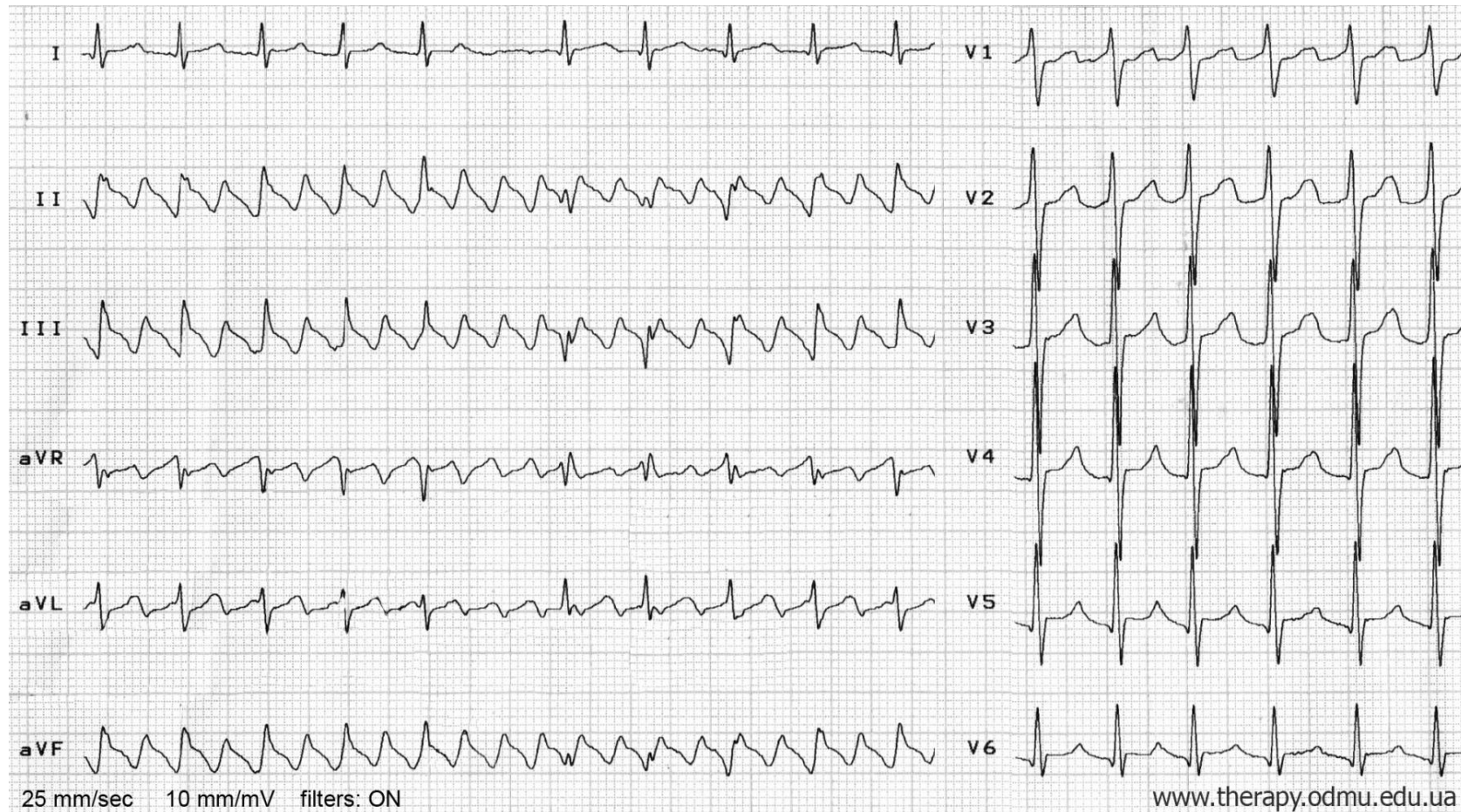
64 years old patient was admitted in cardiological intensive care unit with acute myocardial infarction. Suddenly lost consciousness, skin is pale. Pulse and BP are not detectable.



1. Explain ECG of this patient.
2. What urgent medical care should patient receive in this situation?

Task №5

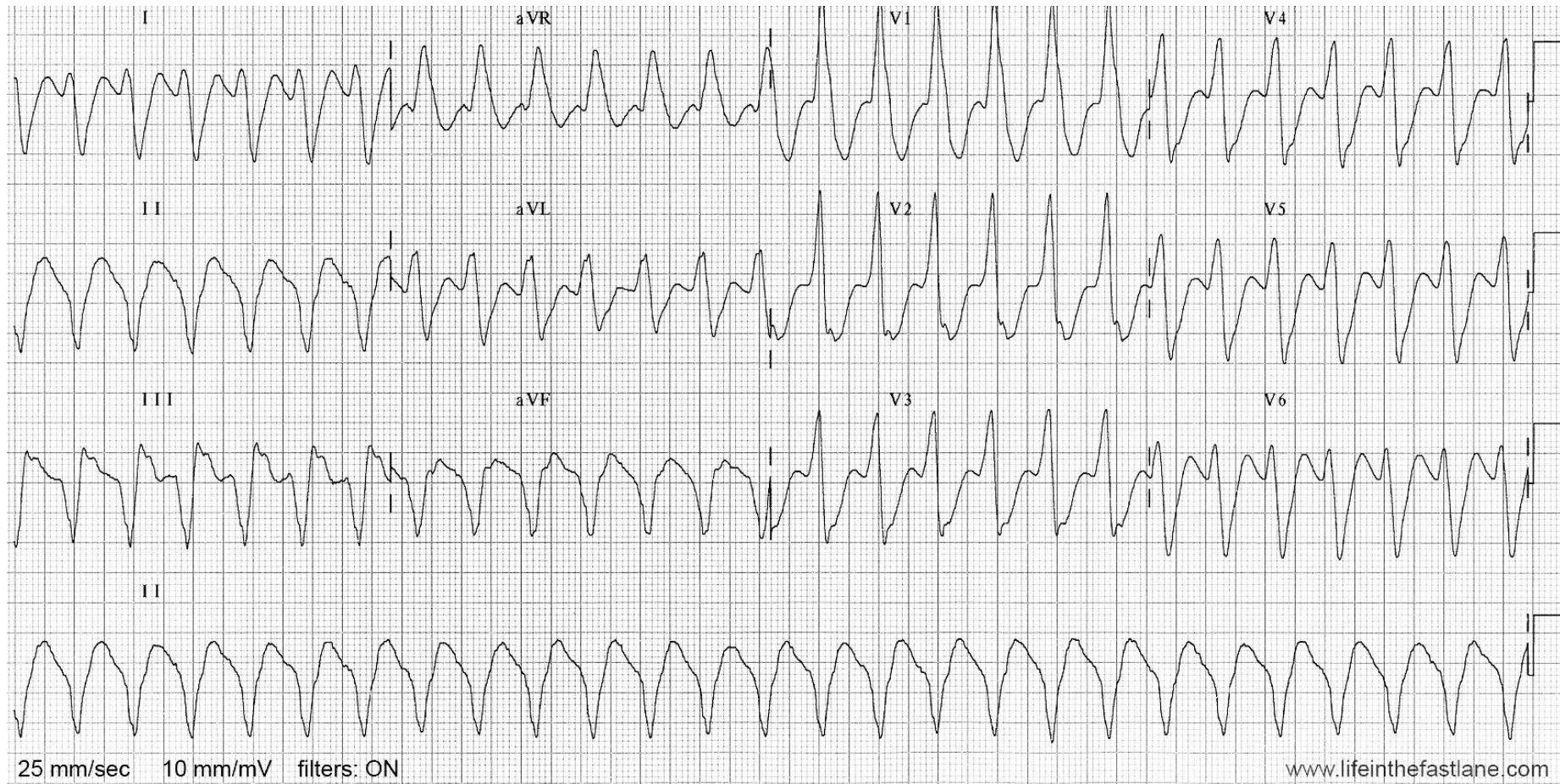
55 years old woman complaints of heart palpitation that lasts for 2 hours, dyspnea, dizziness and marked weakness. BP is 120/70 mm Hg.



1. Explain ECG of this patient.
2. What urgent treatment she should receive?

Task №6

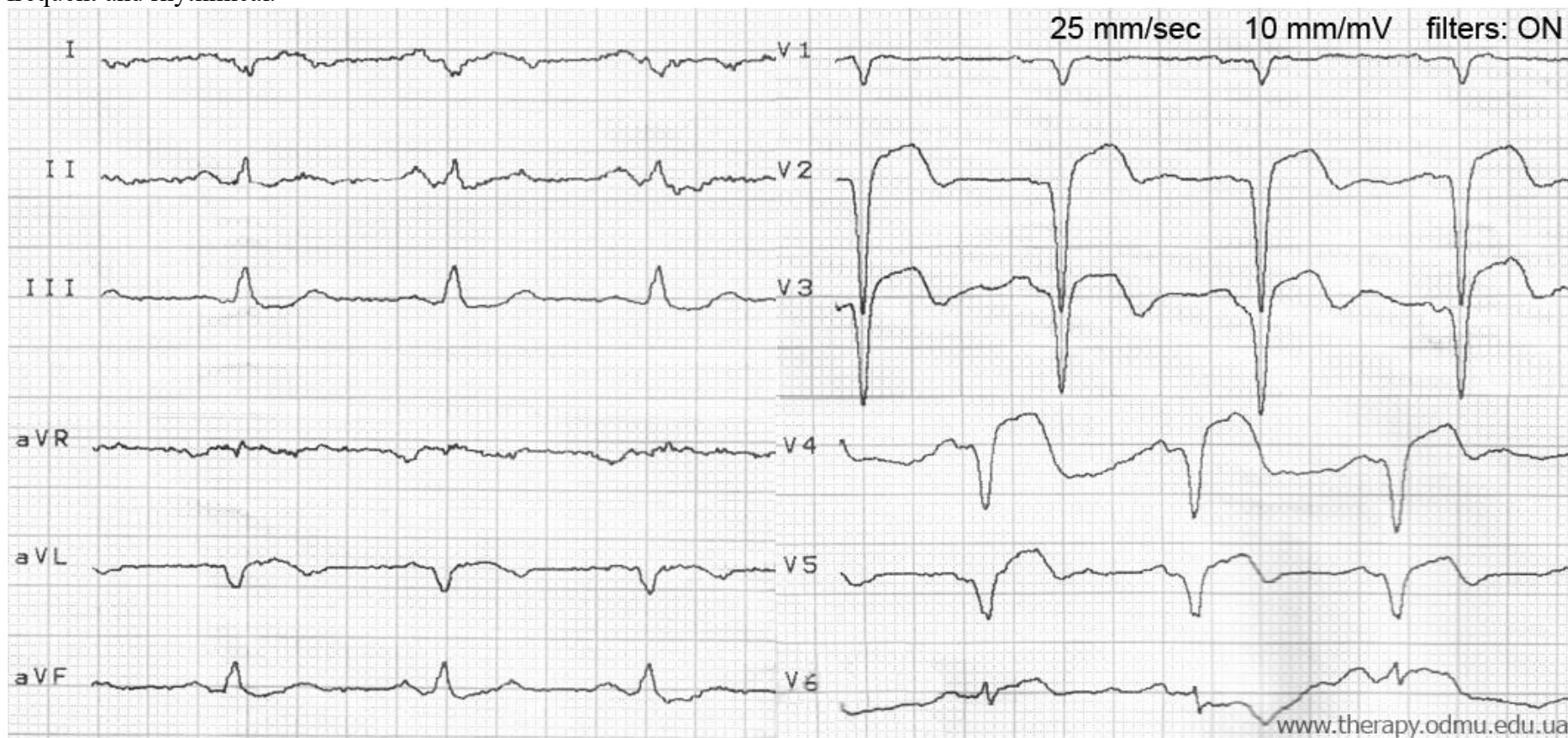
78 years old woman suffers from IHD for a long time. Admitted in therapeutic department with dizziness, heart pain and dyspnea. BP is 100/50 mm Hg.



1. Explain ECG of this patient.
2. What urgent treatment she should receive?

Task №7

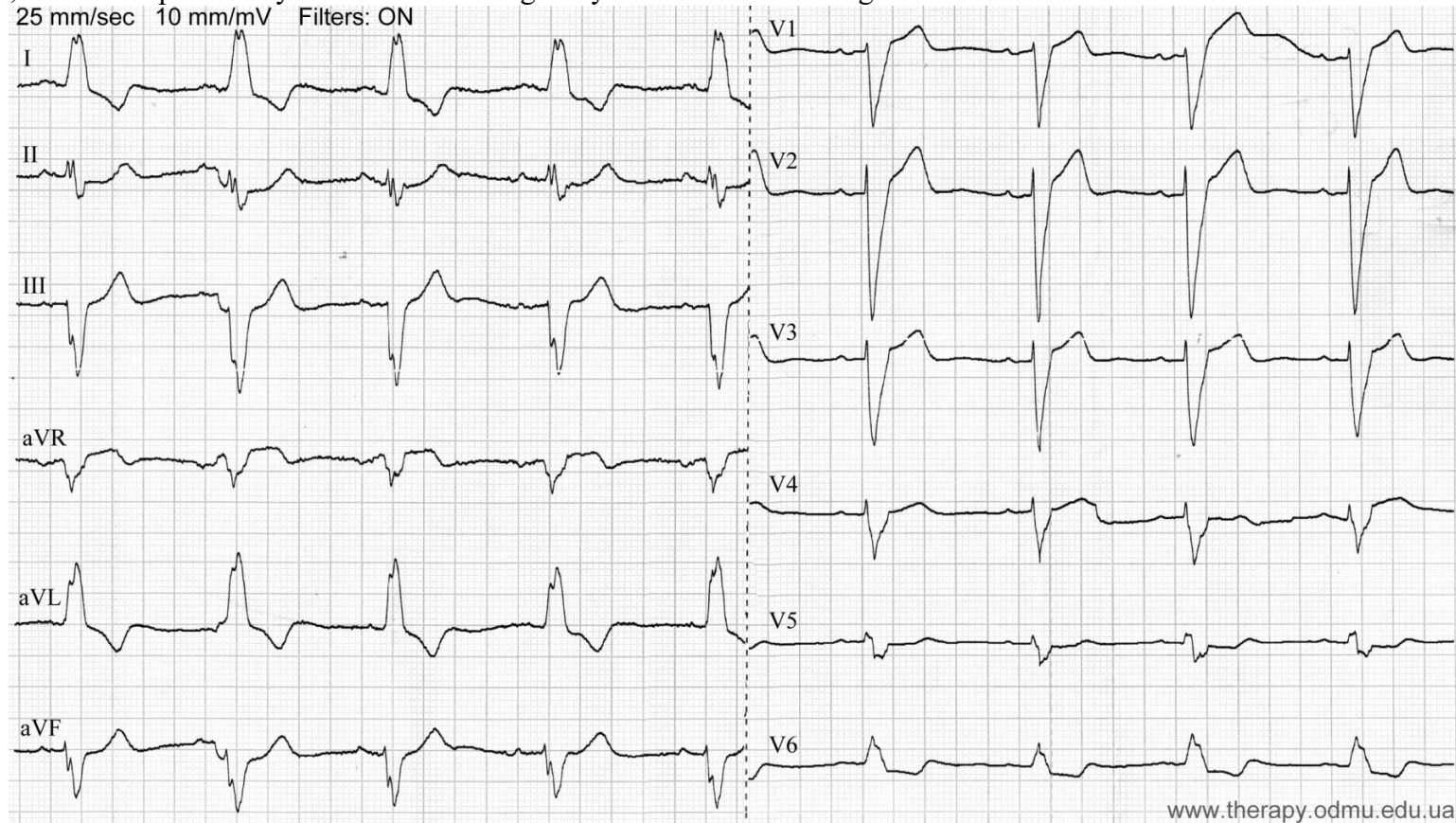
52 years old patient was admitted to cardiological department 15 days ago with sudden chest pain. Right now he is having dyspnea at rest, increased heart rate; heart pain is absent. Precordial pulsation is found during objective examination. Moist rales are found in basal segments of both lungs. BP is 140/85 mm Hg. Pulse is frequent and rhythmical.



1. Explain ECG of this patient.
2. What is the further treatment tactics in this patient?

Task №8

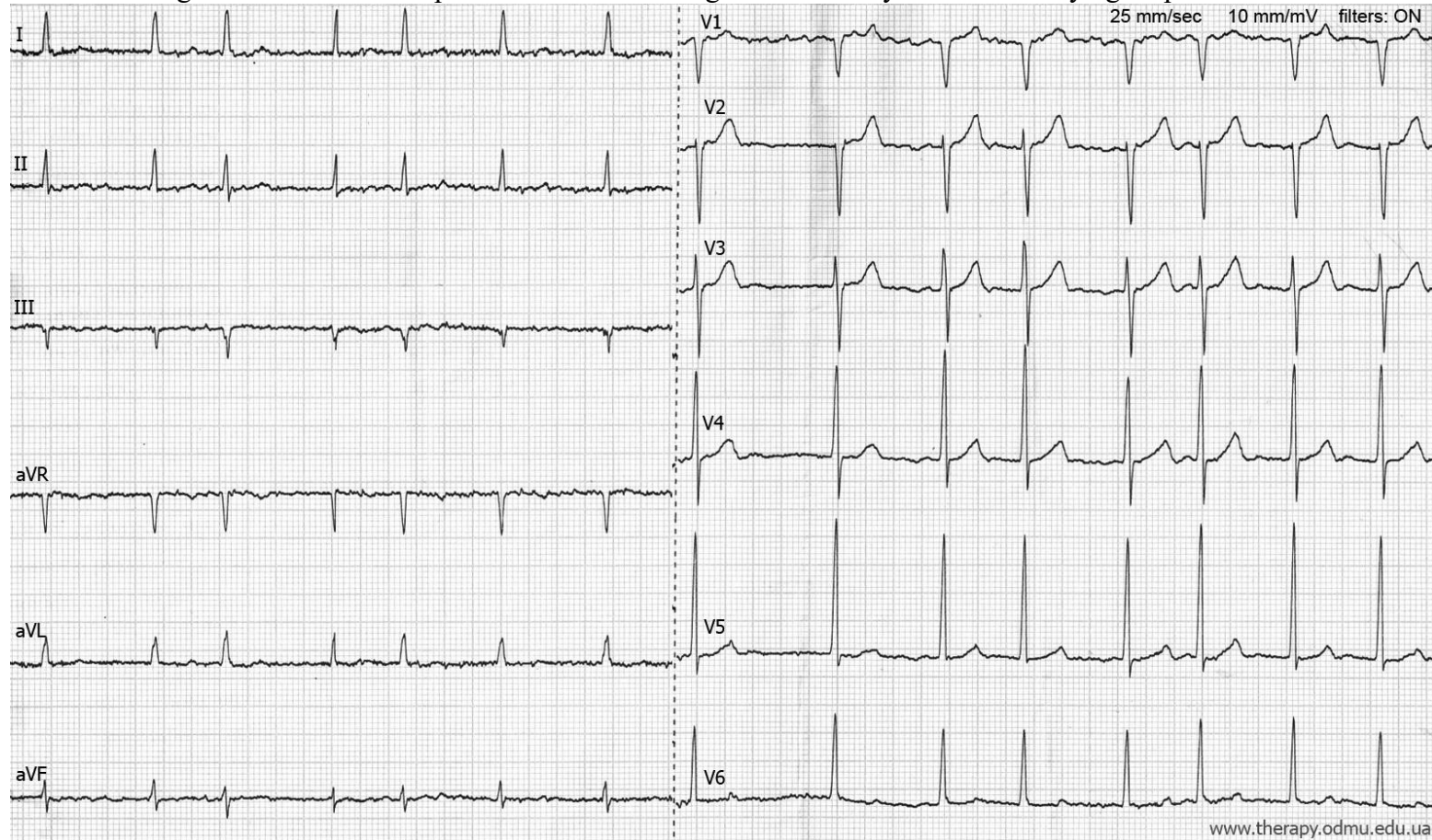
63 years old woman complains of episodes of headache in occipital region, dyspnea on physical exertion or during walk. She is suffering from hypertension for the last 15 years, takes enalapril and hydrochlorothiazide regularly. BP is 145/85 mm Hg.



1. Explain ECG of this patient.
2. What can be the further tactics depending on novelty of discovered ECG-changes?

Task №9

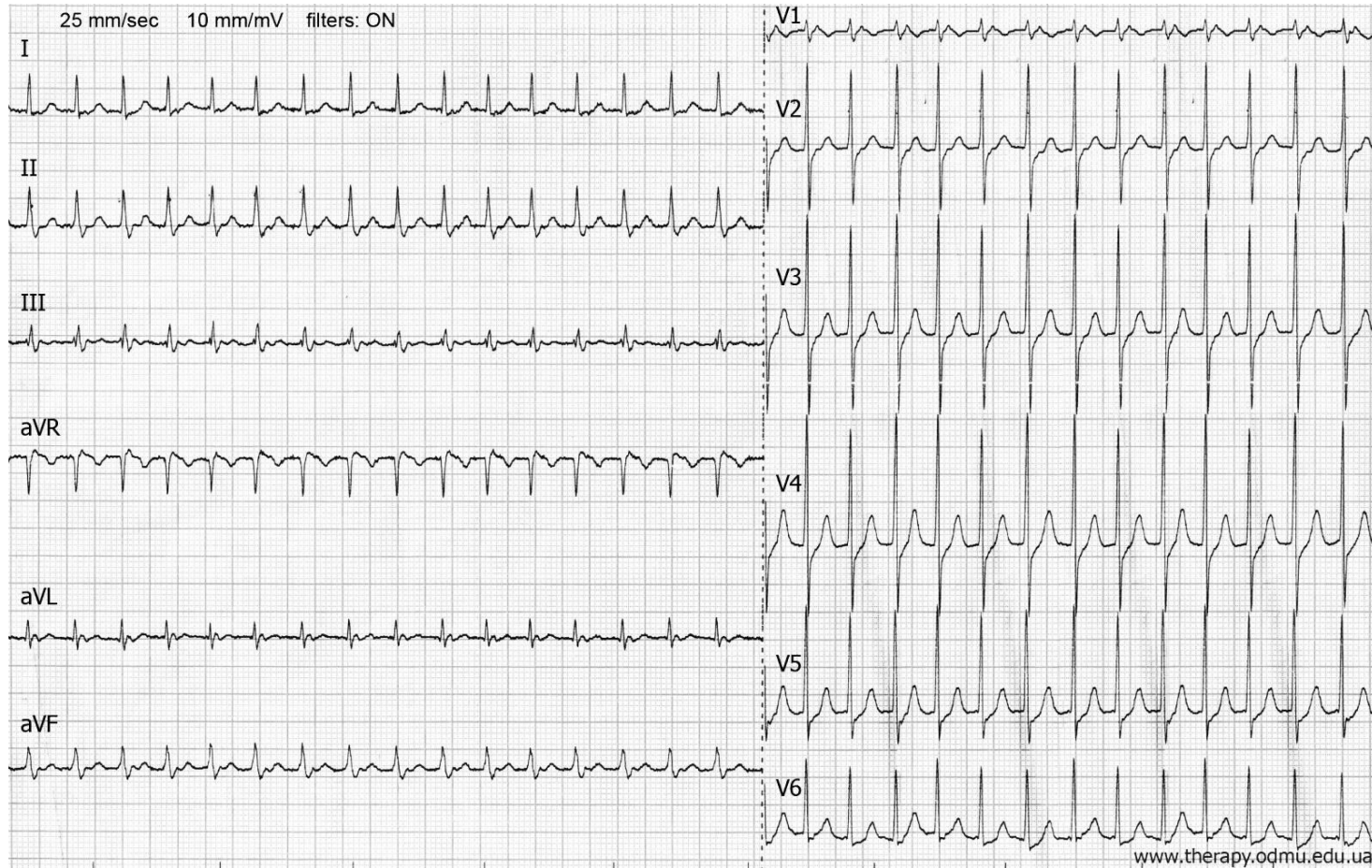
42 years old woman had two attacks of rheumatism in childhood. Tells that for the last two years her heart is working abnormally, complains of having dyspnea on physical exertion. Received regular treatment in hospital. BP 115/80 mm Hg. Pulse is arrhythmic with varying amplitude.



1. Explain ECG of this patient.
2. What is the most probable cause of abnormal heart rhythm in this patient?
3. What can be the tactics of treatment depending on novelty of discovered ECG-changes?

Task №10

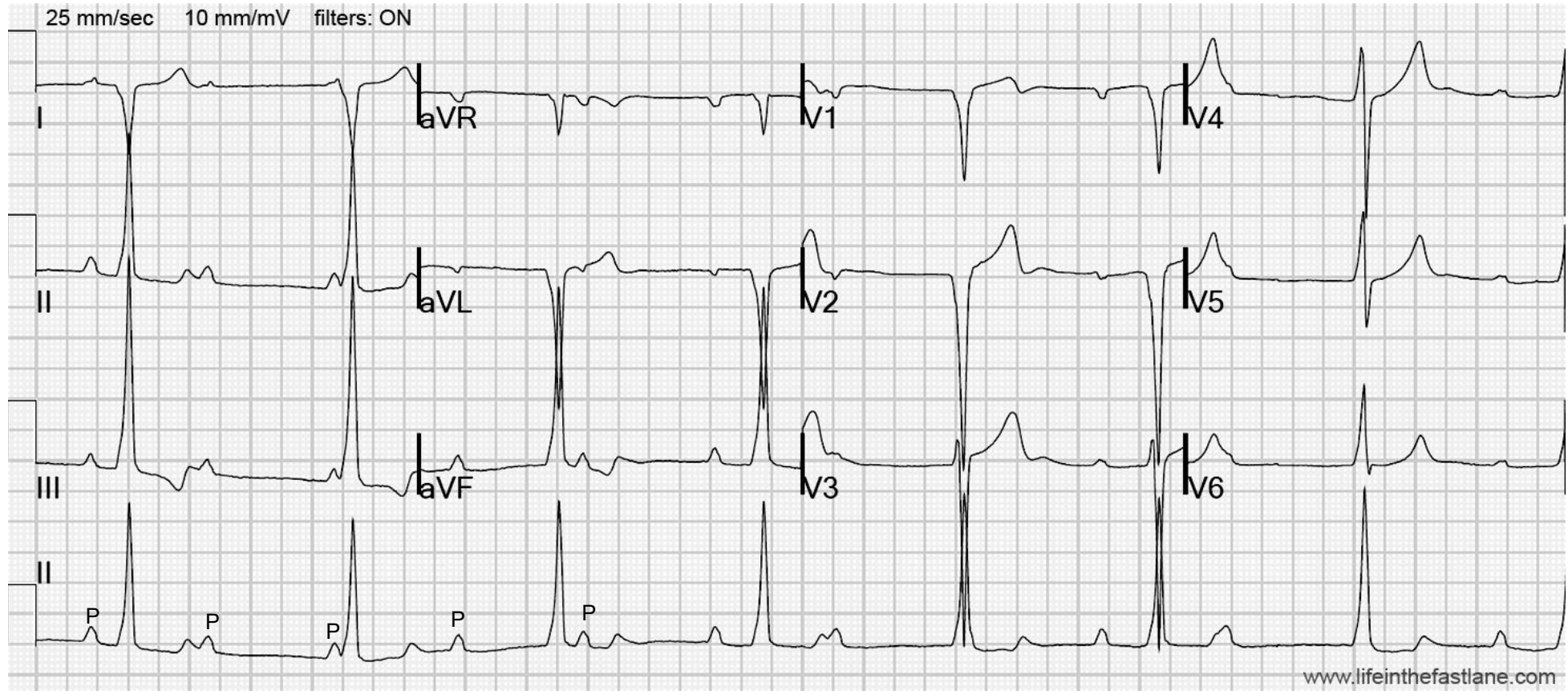
28 years old female feels palpitation, that started all of a sudden 1,5 hours before; on admission to intensive care unit BP is 100/70 mm Hg, pulse – frequent, weak with decreased tension.



1. Explain ECG of this patient.
2. What non-medical help she should receive?
3. What medications can be used in this situation?

Task №11

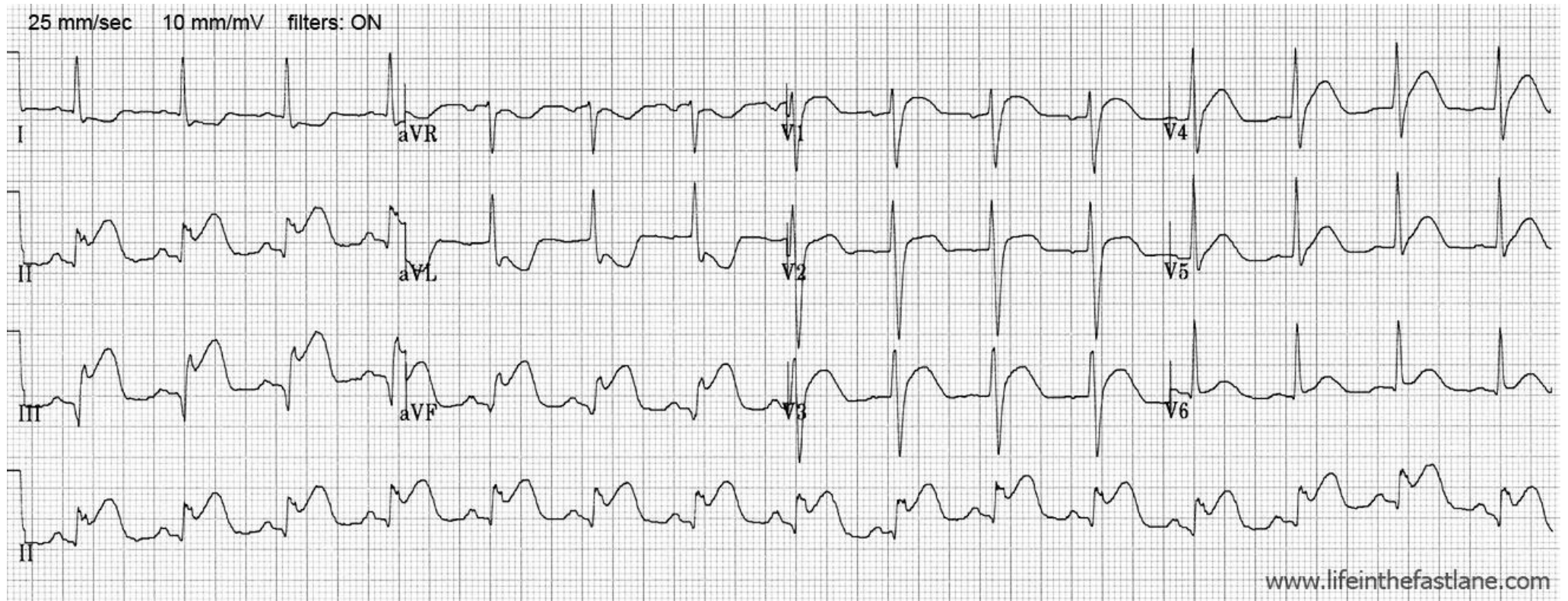
Male 52 years old taken to hospital after an episode of loss of consciousness. It is known that about two years ago, the patient suffered a myocardial infarction, treatment prescribed took regularly. In the last 2 months experienced episodes of dizziness and severe weakness, loss of balance. On examination: the patient is conscious, pulse is rare, 45 bpm. BP is 125/85 mm Hg.



1. Explain ECG of this patient.
2. What is the further treatment tactics in this patient?

Task №12

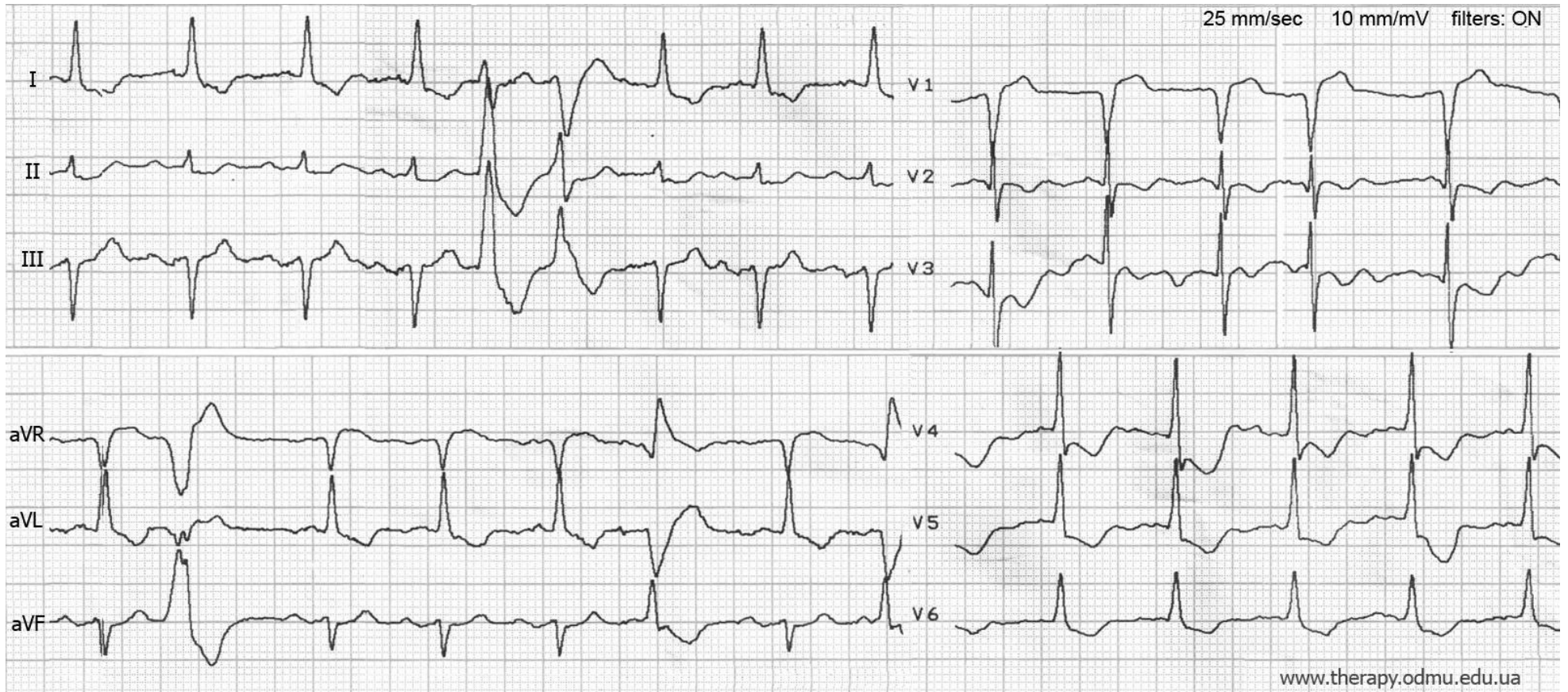
63 years old man admitted to hospital 24 hours before with epigastric pain, nausea, abdominal gas, and general weakness. BP is 110/80 mm Hg. Heart auscultation: tachycardia, 1st sound is dull in all points.



1. Explain ECG of this patient.
2. Which atypical variant of disease is present in this case?

Task №13

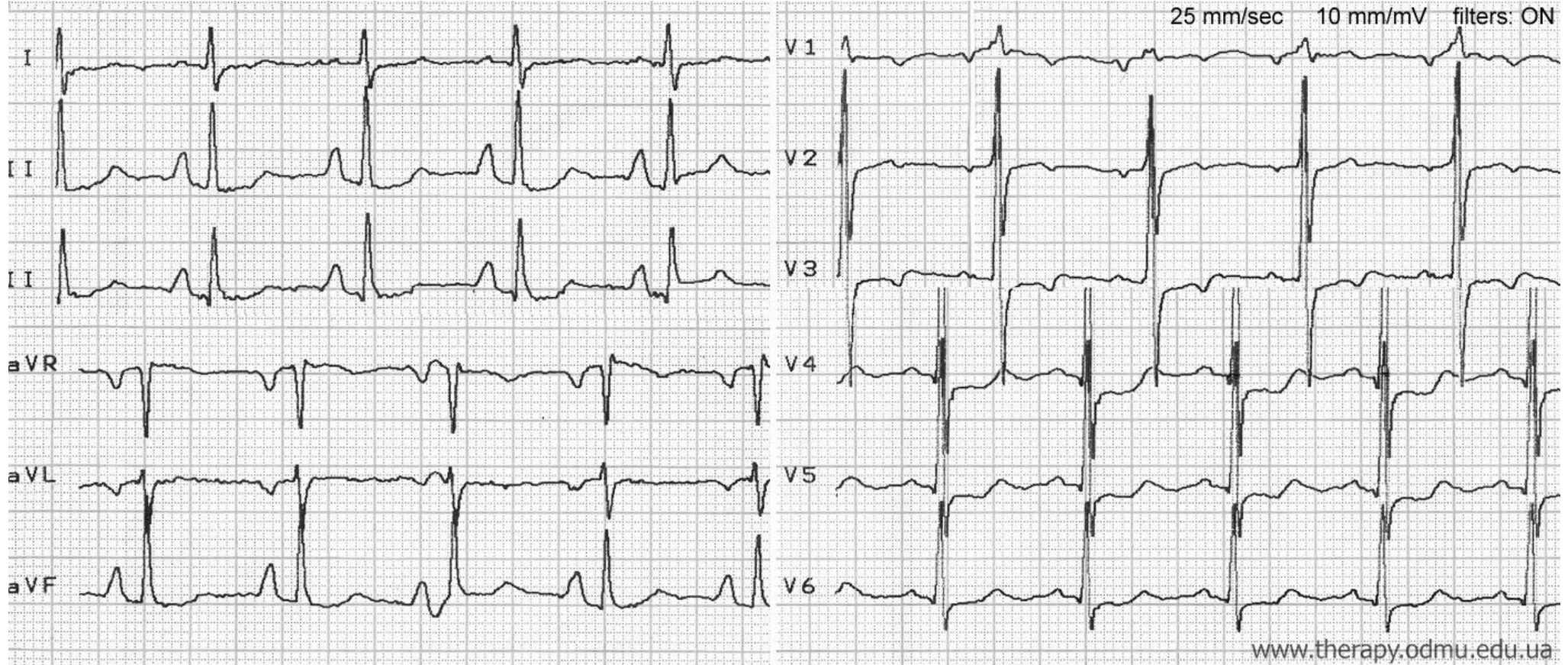
55 years old man complains of heart palpitation, chest discomfort. For the last 3 years he is suffering from IHD. BP is 130/85 mm Hg.



1. Explain ECG of this patient.
2. Is antiarrhythmic therapy indicated or not?

Task №14

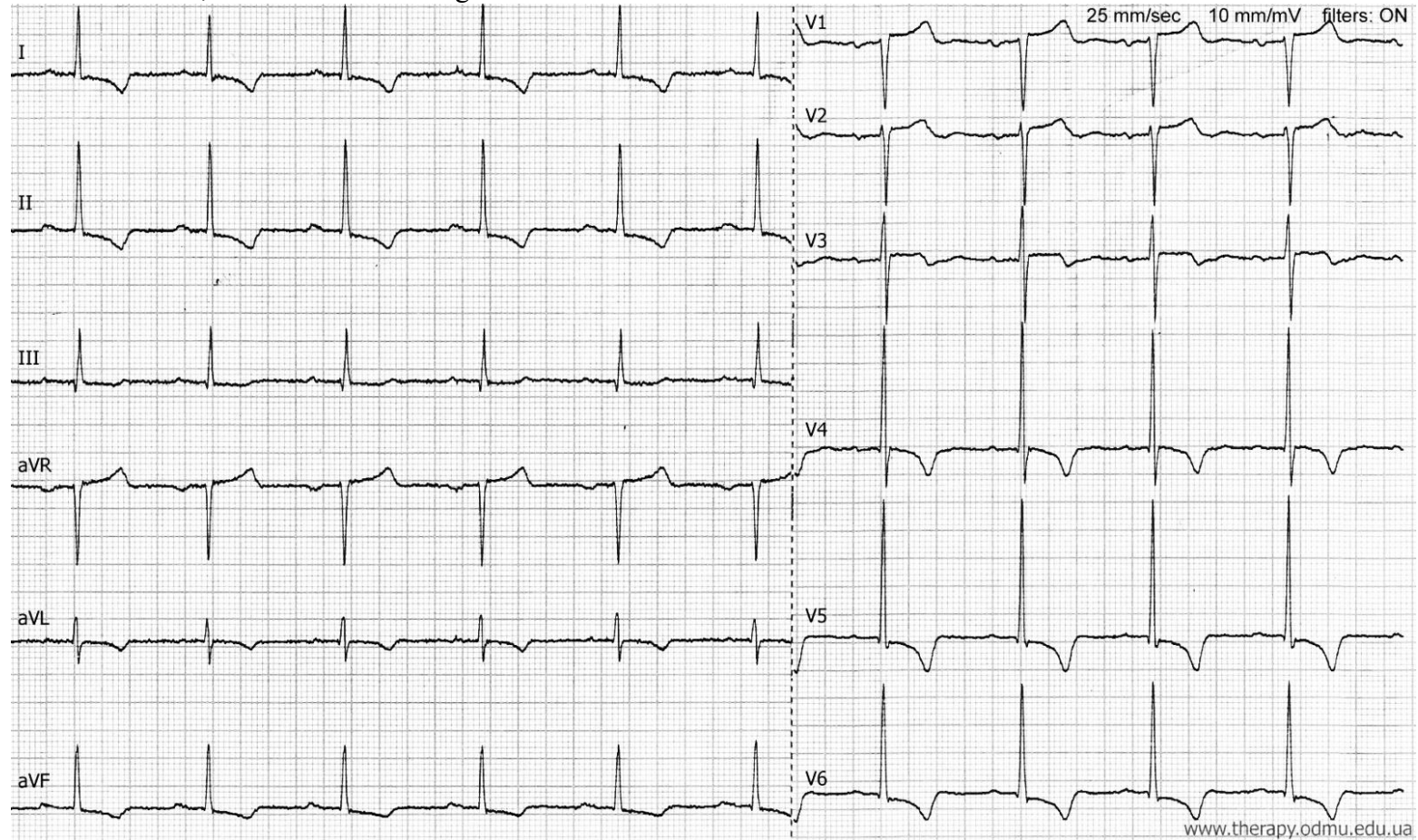
69 years old male, warehouse worker, complains of shortness of breath, poor exercise tolerance, frequent episodes of cough with expectoration of yellowish sputum. Smokes 20-30 cigarettes a day for 45 years. BP = 150/95 mmHg.



1. Explain ECG of this patient.
2. What additional heart investigation methods may be used in this situation to confirm and describe the detected changes?

Task №15

48 years old male, businessman, at the time of inspection complains of a headache, "pulsation" in the temporal areas. Objective examination: increased body mass, face hyperemia. Pulse is hard, BP = 210/110 mm Hg.



1. Explain ECG of this patient. What is the cause of negative "T" waves in the left leads?
2. What additional research methods should be assigned to the patient?
3. Prescribe treatment to this patient.