

## Station 1. Myocardial Infarction Itinerary

Guidelines for editing videos and settings on the platform.

Interaction features for the participant: video recording, writing, and multiple-choice item.

### Video 1 (time: 38")

Identification of the candidate.

**Narrator:** Hi, my name is Sofia and before we start, let's test your Camera and audio for this. I need you to record a video introducing yourself, say your full name, CPF number and show next to your face, an identification document with your data and photo. Remember to be in a quiet environment with good lighting. See the following example, my name is Júlia Cardoso Ribeiro da Silva; CPF number 336.516.851.60.

### Interaction 1. Video identification

Command: Say your name and show your ID.

### Video 2 (time: 1'34")

**Narrator:** Practice scenario, office in a primary care outpatient clinic the basic health unit UBS the unit has electrocardiography, ECG and clinical analysis laboratory.

Case description: A 30-year-old man goes to the basic health unit worried because a brother recently died of a heart attack at the age of 45 and has several family members with a history of acute myocardial infarction.

Systemic arterial hypertension and diabetes mellitus In the next 10 minutes, you must perform the following tasks, perform the patient's anamnesis, interpret the findings of the physical examination, request and interpret laboratory tests, request to interpret other complementary tests pertinent to the case, propose conduct and/or referral of the patient to the appropriate segment, communicating the guidelines to the patient in an understandable way.

#### Simulated Station Start

**Standardized patient:** Good morning, doctor. Can I come in?

### Interaction 2. Question 1/10

Command: Start the consultation with your patient.

Candidate clicks to start the video. 30-second timer for this activity. If he doesn't start, move on to the next question.

### Video 3 (time: 23")

**Standardized patient:** Doctor, I'm here today because, unfortunately, my brother recently passed away, he had a heart attack. He was only 45 years old and that made me very worried because in my family there are many cases of diabetes, high blood pressure and even other people also had a heart attack. You know? This is really making me very, very distressed, nervous.

### Interaction 3. Question 2/10

Command: What are the most relevant questions you should ask to assess the risk of this patient?

Candidate clicks to start the video. 1-minute timer for this activity. If he doesn't start, move on to the next question.

### Video 4 (time: 42")

**Standardized patient:** Doctor, yes, I've never taken my blood pressure off, but I don't feel anything, you know? I lived a normal life, I go out with my friends, we drink like a barbecue for me it's all quiet. Yes, I know I'm a little above the prisoner, but unfortunately I can't do any physical exercise, you know?

**Image 1.** The physical examination data is displayed on the screen.

The physical examination file must also be made available in a folder for consultation by the candidate. 30-second timer for analysis. The candidate has the option to move on to the interaction. The image remains on the screen during interaction 4.

### Interaction 4. Question 3/10.

Command: Which findings of the physical examination of this patient are most relevant to the case?

Candidate clicks to start the video. 1-minute timer for this activity.

### Interaction 5. Question 4/10

Command: Which laboratory tests do you consider most relevant to stratify the overall risk of this patient?

Candidate clicks on the available options: blood glucose, urea, creatinine, total cholesterol and fractions, triglycerides and uric acid.

### Video 5 (time: 6")

**Standardized patient:** But do I have to do all this, doctor? I don't feel anything. Why do all this?

### Interaction 6. Question 5/10

Command: What would you answer to the patient?

Candidate clicks to start the video. 1-minute timer for this activity.

#### Video 6 (time: 1'23")

**Narrator:** 2 months later, the patient returns for the reassessment appointment at the basic health unit. Measurements taken by the nurse in the pre-consultation Blood pressure of 150 x 90 millimeters of Mercury, height of 1.70 m and weight of 83 kg.

Video showing the nurse measuring the pressure

Command: Observe the pressure measurement

### Interaction 7. Question 6/10

Command: Write down two problems with the blood pressure measurement technique performed by the nurse in the pre-consultation.

Field for writing. Candidate writes the answer. 1 minute timer.

#### Video 7 (time: 17")

**Standardized patient:** Doctor, I've been checking my blood pressure at the pharmacy near my house and it's been about 5 times since the last appointment and it's always around 140 over 90. Last time, it was 160 over 100. I don't know if I was nervous. What do you think?

### Interaction 8. Question 7/10

Command: What would you answer to the patient?

Candidate clicks to start the video. 1-minute timer for this activity.

#### Image 2. Electrocardiogram

30-second timer for analysis. The candidate has the option to move forward.

The electrocardiogram file must also be made available in a folder for consultation by the candidate. The image remains on the screen during interaction 9.

Command: Observe and evaluate the result of the electrocardiogram.

### Interaction 9. Question 8/10

Command: How do you interpret the result of the ECG exam?

Candidate clicks to start the video. 1-minute timer for this activity.

**Image 3.** On the screen, the data of the laboratory tests is displayed.

**30-second** timer for analysis. The candidate has the option to move forward.

The laboratory test file must also be made available in a folder for consultation by the candidate. The image remains on the screen during interaction 10.

**Interaction 10.** Question 9/10

Comando: How do you assess the Global Risk Score (according to Framingham) and how do you stratify the cardiovascular risk of this patient? Explain

Candidate clicks to start the video. **1-minute** timer for this activity.

**Interaction 11.** Question 10/10

Command: What recommendations would you make for this patient at this time?

Candidate clicks to start the video. Timer of **1 minute and 30 seconds** for this activity. If he doesn't start, move on to the next question.

**Attachments.**

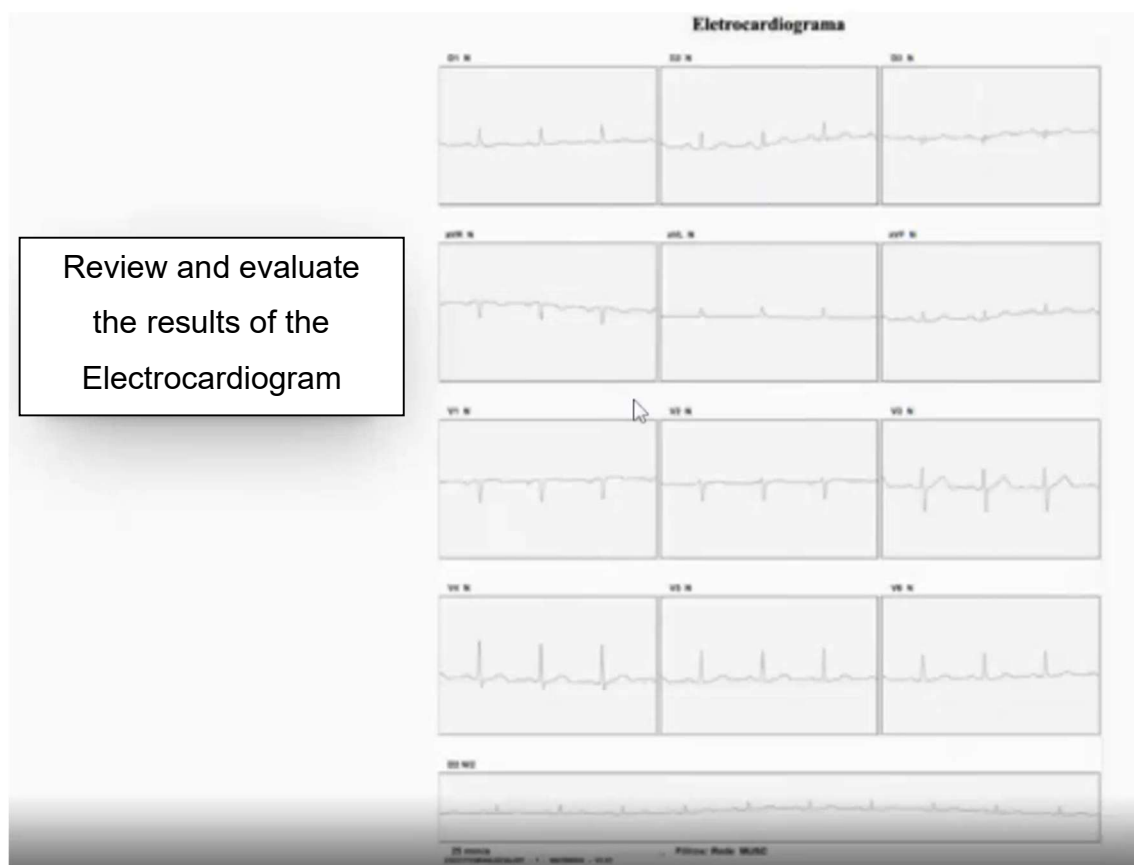
**Image 1.** Physical examination

**PHYSICAL EXAM**

General: Patient in good general condition, afebrile, non-cyanotic, non-icteric and hydrated; alert, oriented to time and space.

Clinical Data	Findings
Weight (kg)	75
Height (m)	1.70
BMI	To be calculated
Abdominal circumference (cm)	93
Blood pressure (mmHg)	136 x 84
Pulse (bpm)	80
Heart rate (bpm)	80
Respiratory rate (rpm)	18
O2 Saturation (room air)	96%
Cardiovascular exam	Normal
Respiratory auscultation	Normal
Abdominal exam	Normal
Neurological exam	Normal

**Image 2.** Electrocardiogram



**Image 3.** Laboratory tests

Now review and evaluate the results of the lab tests the patient brought to the follow-up appointment

## LABORATORY TESTS

Laboratory Tests	Result	Normal Range
Fasting blood glucose	98 mg/dL	70 to 99 mg/dL
Urea	35 mg/dL	13 to 43 mg/dL
Creatinine	0.8 mg/dL	0.7 to 1.3 mg/dL
Total cholesterol (fasting)	210 mg/dL	< 190 mg/dL
LDL cholesterol (fasting)	120 mg/dL	< 100 mg/dL
HDL cholesterol (fasting)	39 mg/dL	> 40 mg/dL
Triglycerides (fasting)	150 mg/dL	< 150 mg/dL
Uric acid	6.5 mg/dL	3 to 7 mg/dL – Male