

Isfahan University of Medical Sciences

Evaluation Method for Cardiology Clerks

1. Multiple-Choice Examination

At the end of the cardiology clerkship, students will take an electronic multiple-choice examination at the Shahid Soleimani Examination Center.

The examination accounts for 13 points of the final grade.

It consists of 50 multiple-choice questions covering the 14 mandatory ("must-know") topics.

2. Assessment of Performance during Emergency Department Shifts

Each clerk is required to complete three emergency department shifts from 2:00 PM to 7:00 PM at Chamran and Khorshid Hospitals.

During each shift, the student must complete the following tasks and obtain approval from the senior emergency medicine resident:

1. Perform a standard 12-lead ECG independently after observing the procedure in the ECG unit.
2. Interpret the ECGs of four patients admitted to the emergency department.
3. Learn the operation of the DC shock (defibrillator) device.
4. Obtain two complete medical histories and physical examinations from emergency department patients and provide appropriate differential diagnoses.

Each shift is worth 1 point.

The three shifts contribute a total of 3 points to the final grade.

3. Assessment of Ward Performance

Student performance during each two-week rotation block will be evaluated by the assigned resident.

Assessment criteria include:

Daily patient progress notes

EKG interpretation

This component contributes 2 points to the final rotation grade.

4. Log book: this component contributes 2 points to the final rotation grade.

Mandatory Topics and References

1 Approach to Chest Pain: Harrison's Principles of Internal Medicine, 22nd Edition

2 Approach to Dyspnea: Harrison's Principles of Internal Medicine, 22nd Edition

3 Approach to Peripheral Edema: Harrison's Principles of Internal Medicine, 22nd Edition

4 Cardiovascular History Taking and Physical Examination: Cardiovascular Diseases (Nematipour et al.)

5 Electrocardiography (ECG): Cardiovascular Diseases (Nematipour et al.)

6 Atrial Fibrillation (AF): Educational Slides —

7 Hypertension: Cardiovascular Diseases (Nematipour et al.)

8 Dyslipidemia: Educational Slides —

9 Acute Coronary Syndrome (ACS): Cardiovascular Diseases (Nematipour et al.) Chapters

10 Heart Failure: Cardiovascular Diseases (Nematipour et al.)

- 11 Venous Thromboembolism and Pulmonary Embolism: Cardiovascular Diseases (Nematipour et al.)
- 12 Clinical Pharmacology of Cardiovascular Drugs: Educational Slides —
- 13 Valvular Heart Disease :Cardiovascular Diseases (Nematipour et al.)
- 14 Cardiopulmonary Resuscitation (CPR) Cardiovascular Diseases: (Nematipour et al.)

Grade Distribution Summary

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| Multiple-Choice Examination | 13 |
| Emergency Department Shift Performance | 3 |
| Ward Performance Evaluation | 2 |
| Log book | 2 |
| Total | 20 |

Cardiology Clerkship Director

Dr. Saeed Soltani