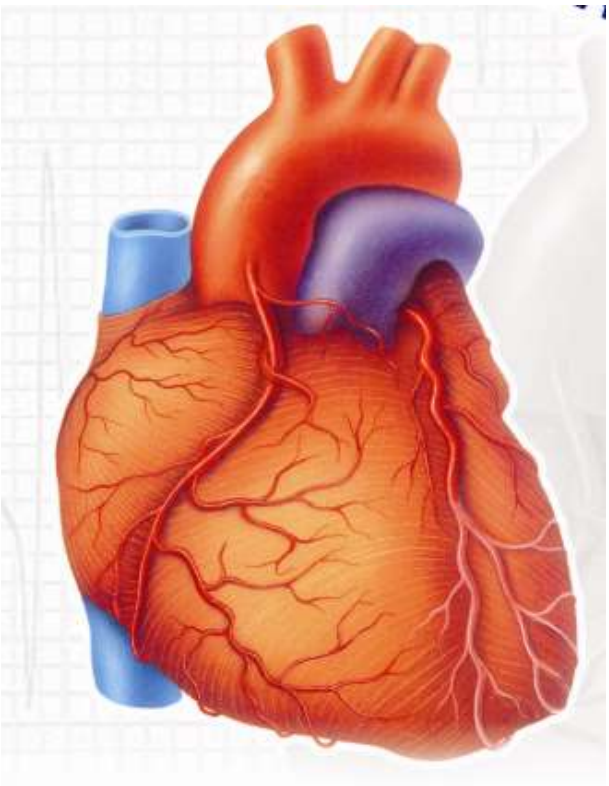
Faculty of Medicine
Quality Assurance Unit

Department of CARDIOLOGY
قسم طب القلب و الأوعية الدموية

Logbook
For
MD in Cardiovascular medicine
Credit point bylaws



2022-2023

Contents

NO	SUBJECT	PAGE
1	**Personal data**	
2	**Instructions to the use of logbook**	
3	**Program aims and curriculum structure**	
4	**Part1 Basic science Courses** **1- Course 1 Medical statistics.** **2- Course 2 Research methodology.** **3- Course 3 Medicolegal Aspects and Ethics in Medical Practice and Scientific Research.** **4- Course 4 Anatomy & Physiology.** **5- Course 5 Cardiovascular 1** **-Genetic and Molecular biology of cardiovascular diseases**	
5	**Part II Speciality courses** ***Course 6 :* Cardiovascular 2** **-Unit 1Cardio-vascular Diseases (CVD)** **- Unit 2 Cardiac emergency** **- Unit 3 Non invasive Investigation of CVD** **- Unit 4 Invasive investigations of CVD**	
6	**Elective Course 1**	
7	**Elective Course 2**	
8	**Other scientific activities**	
9	**Part III MD Thesis pathway**	
10	**Declaration**	

Personal data:

Name……

Date of birth……..
Address……..
Place of work……
Telephones……**Mobile phone(s)**…….
E mail……

Name of hospital	Period of work	Hospital director signature

Academic Information

MBBCh……/……/…… ……..University
Grade ……MSc… ……..University
Grade ……
Grade of Internal Medicine course on graduation ……..
Others……/……/…… ……..University
……/……/…… ……..University

* ***Aim of the activities book***

To provide one source of evidence for the assessment committee that you attained the desired level of competency required to gain the award.

In this book you will document all clinical, academic and other experiences and skills you attained during your training.

Sections of the book

For each module / course / rotation

You should fill the following sections:-

A- Clinical case log

1- You will first find list with all required cases in the concerned module and the minimum number of cases you must get exposed to and level of Participation you should achieve for each type of cases.

2- You should record all clinical cases in the module and each case should be Signed by you trainer.

Rotation / attendance proof

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التى تدرب بها	Entity

2- Clinical case presentation log

Record the cases related to the module that you have presented in a seminar of the activity.

3- Procedures / operations log

1- You will find a list for required procedure, diagnostic – therapeutic operations and level of desired performance you should achieve at the end of training.

2- You will find empty tables to write down the procedure, you level of participation and date and signature of supervisor.

4- Rotation / attendance proof

You should have evidence of achievement the required training hours within each module.

For the whole program fill the following sections.

1- Academic activities

A- Document all academic activities e.g. lecture, journal clubs, workshops, conference, services attended. This documentation should include the level of participation " attendance, preparation, presentation,……"

2- Academic achievements

A- Document all outcomes you achieved in the field of:-
- Audit participation
- Research "clinical trial" participation.
- Evidence- based medicine "generation of guidelines" protocols

3- Formative assessment log

This document all types of formative assessment attended e.g.:-
- Mini clinical examination
- Quizes
- MCQs

Program aims

1/1To enable candidates to master high level of clinical skills, bedside care skills, in addition to update medical knowledge as well as clinical experience and competence in the area of cardiovascular medicine and enabling the candidates of making appropriate referrals to a sub-specialist
2/1 Provide candidates with fundamental knowledge and skills of invasive and non-invasive cardiovascular investigations and procedures and proper dealing with cardiovascular emergencies.
3/1 To enable candidates to perform high standard scientific medical research and how to proceed with publication in indexed medical journals.
4/1 To enable candidates to describe the basic ethical and medicolegal principles relevant to cardiovascular diseases.
5/1 To enable candidates to have professional careers as a consultant in Egypt and recognized abroad.
6/1To enables candidates to continue self-learning in subspecialties.
7/1 To enable candidates to master different research methodology and do their own.

Program Structure

Program Time Table

Duration of program up to 4 years (could be extended to 6 years) divided into

- *Part 1*

Program-related basic science courses
- Medical statistics.
- Research methodology
-Medicolegal Aspects and Ethics in Medical Practice and Scientific Research
-Anatomy & physiology.
-Cardiovascular 1: -Genetic and Molecular biology of cardiovascular diseases.

Students are allowed to sit the exams of these courses after 6 months from applying to the M D degree.

- Thesis and 2 published researches
  For the M D thesis;
  MD thesis subject should be officially registered within 1 year from application to the MD degree,
  Discussion and acceptance of the thesis should not be set before 24 months from registering the M D subject;
  It could be discussed and accepted either before or after passing the second part of examination
- *Part 2*

Program –related speciality courses and ILOs
Students are not allowed to sit the exams of these courses before 4 years from .applying to the MD degree

Part I

Basic science Courses

Course	Name of the course
Course 1	Medical statistics
Course 2	Research methodology
Course 3	Medicolegal Aspects and Ethics in Medical Practice and Scientific Research
Course 4	Anatomy & Physiology.
Course 5	Cardiovascular 1 -Genetic and Molecular biology of cardiovascular diseases

Medical statistics

Requirements

- **Credit points: 1 credit point**
- Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Practical	Percentage of Achieved points
Medical statistics	1 credit point	Pubic Health & Community Medicine			100%
	0.1		Introduction 1 hour	SPSS Introduction 2H	10%
	0.1		Tables and graphics 1 Hour	Data entry and cleaning of data 2H	10%
	0.1		Sampling 1 Hour	Transforming of variables 2H	10%
	0.1		Methodology of data collection 1 Hour	Descriptive statistics 2 H	10%
	0.1		Type of variables 1 Hour	Graphic presentation 2 H	10%
	0.1		Proportion test Chi-square test 1 Hour	Chi square and interpretation of results 2 H	10%
	0.1		Student T test Paired T test 1 Hour	Student, Paired and ANOVA tests 2H	10%
	0.1		ANOVA test 1 Hour	Correlation Regression 2 Hour	10%
	0.1		Non parametric tests 1 Hour	Multiple and logistic Regression 2 H	10%
	0.1		Discrimination analysis factor analysis 1 Hour	Non parametric tests 2 H	10%
			Revision 1 H	Revision 2H	
Student signature			Principle coordinator signature		Head of the department signature

Medical Statistics

Lectures and tutorials

Date	Attendance	Topic	Signature

ResearchMethodology

Requirements

- **Credit points: 1 credit point**
- Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Research Methodology	1 credit point	Pubic Health & Community Medicine		100%
	0.15		4 hours Introduction & proposal writing	15%
	0.15		4 hours Epidemiological study designs	15%
	0.15		4 hours Screening & theoretical background	15%
	0.24		6 hours Screening practical	24%
	0.15		4 hours Sample size calculation	15%
	0.08		2 hours Research bias	8%
	0.08		2 hours Ethics in research	8%
	-		2 hours Revision	-
Student signature			**Principle coordinator signature**	**Head of the department signature**

Research Methodology

Lectures and tutorials

Date	Attendance	Topic	Signature

Medicolegal Aspects and Ethics in Medical Practice and Scientific Research

Requirements

- **Credit points: 1 credit point**

Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Medicolegal Aspects and Ethics in Medical Practice and Scientific Research	1 credit point	Forensic Medicine and Clinical Toxicology	10 hours	100%
	0.2		2 hours Suspicious death. Death and death certificate.	20%
	0.2		2 hours Supportive measures	20%
	0.2		2 hours Toxicological reports	20%
	0.2		2 hours Ethics in research.	20%
	0.2		2 hours Medical ethics.	20%
Student signature			Principle coordinator signature	Head of the department signature

Medicolegal Aspects and Ethics in Medical Practice and Scientific Lectures and tutorials

Date	Attendance	Topic	Signature

Course 4: Anatomy & physiology

Requirements

- **Credit points: 4 credit points (CP).**
- **Minimal rate of attendance 80%.**
- **It is divided into 2 units, 2CP for each :**

***Unit 1: Applied cardiovascular anatomy.**

***Unit 2: Applied cardiovascular physiology.**

Course 4: unit 1; Anatomy

Name of the course/unit	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course4; unit 1: Anatomy	2 credit point	Anatomy	20 hours	100%
	0.5CP		5 hours - Embryology of heart and arch of aorta - Surface anatomy of heart and great vessels.	25%
	0.5CP		5 hours - Anatomy of the heart and detailed anatomy of cardiac chambers - Anatomy of the heart and detailed anatomy of cardiac chambers.	25%
	0.5CP		5 hours - Anatomy of brachiocephalic vessels with special stress on access to CVP - Anatomy of aorta and peripheral vessels	25%
	0.5CP		5 hours - Anatomy of pulmonary circulation. -Anatomy of coronary vessels blood components.	25%
Student signature			**Principle coordinator signature**	**Head of the department signature**

Course 4; Unit 1: Anatomy (Didactics)

Date	Attendance	Topic	Signature

Course 4; unit 2: Physiology

Requirements

- **Credit points: 2 credit point**
- Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course 4; unit2: Physiology	2 credit point	Physiology	20 hours	100%
	0.5CP		5 hours - Functional characteristic of cardiovascular system & flow. - Physiology of cardiac muscles.	25%
	0.5CP		5 Hours - ECG & arrhythmias. - Cardiac cycle, arterial pulse& heart sounds. - Arterial and venous circulation and microcirculation.	25%
	0.5CP		5 hours - Syncope - Pulmonary circulation - Respiratory failure, hypoxia and cyanosis & O2 therapy	25%
	0.5CP		5 hours - Circulatory changes during exercise and training - Coronary & cerebral circulations	25%
Student signature			Principle coordinator signature	Head of the department signature

Course 4; unit2: Physiology (Didactics)

Date	Attendance	Topic	Signature

Course 5: Cardiovascular1 (Genetic and Molecular biology of cardiovascular diseases)

Requirements

- Credit points: 3 credit points
- Minimal rate of attendance 80%.

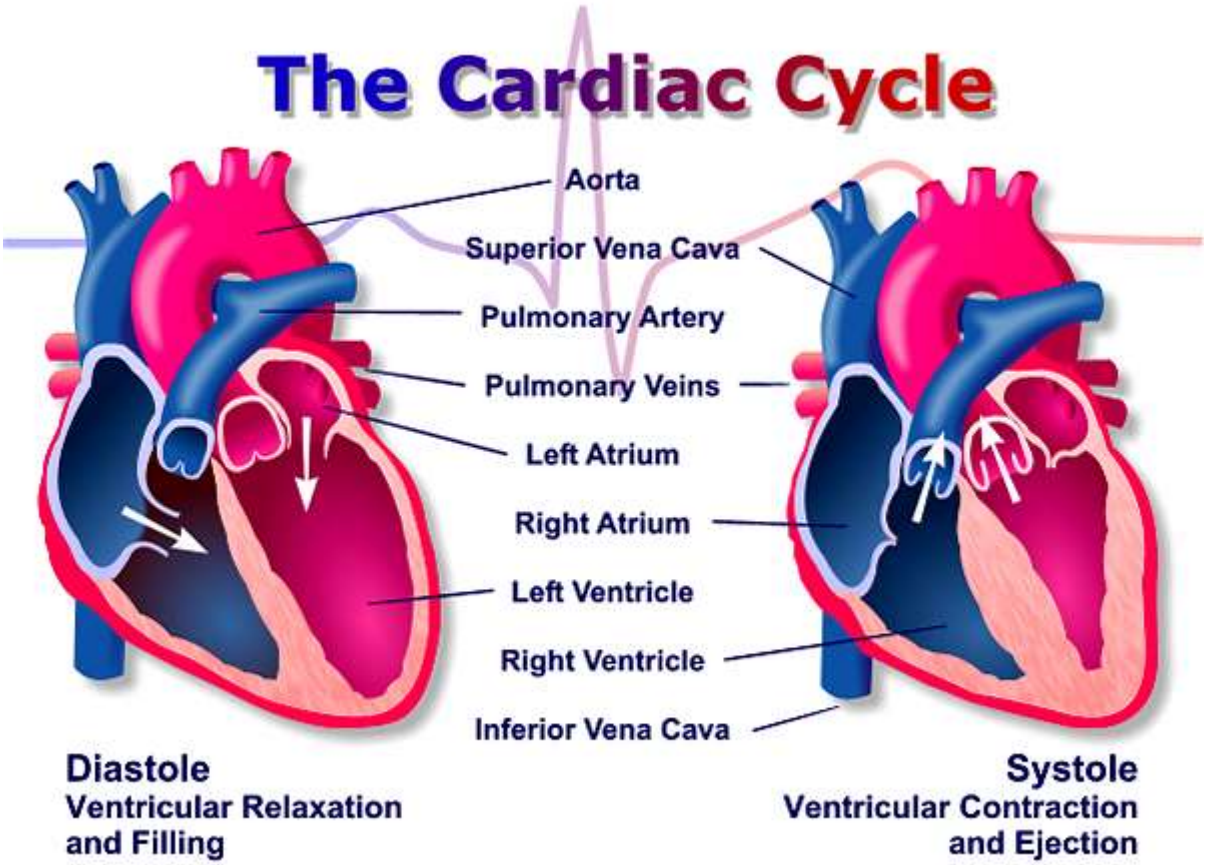
Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course 5: Cardiovascular1(Genetic and Molecular biology of cardiovascular diseases)	3CP	Clinical pathology and cardiology departments	30 hours	100%
	0.2CP	Clinical Pathology Department	1-Structure & function of the nucleic acid 2h.	6.66%
	0.2CP		2-Gene expression 2h.	6.66%
	0.2CP		3-Mutation 2h.	6.66%
	0.4CP		4-Biomolecular tools 4h.	13.3%
	0.4CP		5-Biomolecular techniques 4h.	13.3%
	0.4CP	Cardiology department	1-Application of the molecular biology techniques in the cardiovascular diseases 4h	13.3%
	0.4CP		2-Cardiovascular disorders associated with gene abnormalities (1)4h	13.3%
	0.4CP		3-Cardiovascular disorders associated with gene abnormalities (2)4h	13.3%
	0.4CP		4-Cardiovascular disorders associated with gene abnormalities (3)4h	13.3%
Student signature			Principle coordinator signature	Head of the department signature

Cardiovascular1: Genetics and Molecular biology of cardiovascular diseases (Didactics)

Date	Attendance	Topic	Signature

Part II

Course 6: Cardiovascular2(Cardiovascular medicine)



Course 6: Cardiovascular2(Cardiovascular medicine)

Units' Titles' list	% from total CP	Level (Year)	Core Credit points		
			Didactic	training	Total
1) Unit 1 "Cardiovascular diseases."	30%	1,2,3&4	7	37	44
2) Unit 2 " Cardiovascular emergencies."	30%	1,2,3&4	7	37	44
3) Unit 3 " Non-invasive testing."	25%	1,2,3&4	6	30	36
4) Unit 4 "Invasive testing."	15%	2&3	4	19	23
Total No. of Units:	4		24	123	147

- Minimal rate of attendance 80% of training and didactics for each unit.

Rotation / attendance proof

الأماكن التى تدرب بها

أسم المستشفى التى تدرب بها	توقيع رئيس القسم	توقيع مدير المستشفى

Module 1 Cardiovascular diseases:

	Didactic	% of unit 1 didactic points	Training	% of unit 1 training points
Year 1	2 credit points	28%	11 credit points	30%
Year 2	2 credit points	28%	9 credit points	24%
Year 3	2 credit points	28%	10 credit points	27%
Year 4	1 credit points	16%	7 credit points	19%
Total	7 credit points	100% points	37 credit points	100%

Year 1; 2 credit points for didactic

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course6; Unit 1: Cardiovascular diseases	**2CP**	**Cardiovascular department**	**Year 1**	**28.6% of the didactics of Unit 1**
			Topics and attendance	
	1CP 0.25CP for each topic		**10 hours attendance in the form of conferences or postgraduate teaching sessions** - Atherosclerosis and Ischemic heart diseases (IHD).2.5h Chronic ischemic heart disease 2.5h - Hypertension.2.5h - General pharmacology2.5h	14.28% 3.57% for each topic
	0.9CP		**Attendance of the weekly scientific Seminars 2 hours \week for at least 15 week and presentation of at least one of these conferences**	12.9%
	0.1CP		- Formative Assessment.	1.43%
Student signature			Principle coordinator signature	Head of the department signature

11 credit points (30% of unit training) out of total 30 points for training in year 1

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points of the total training of unit 1(37 CP)
Clinical training in Course 6; Unit 1: Cardiovascular diseases	4CP	Cardiovascular medicine department	☒ Practice with clinical cases for at least 2 months in the department including fulfilling; - Log of cardiovascular cases as mentioned below - Procedures log as mentioned below	36.4% of training in year 1
	3 CP		☒ Attendance in the outpatient clinic of at least 20 weeks (twice \month, 3 hours /day)	27.3% of training in year 1
	2 CP		☒ Attend clinical teaching and clinical teaching for students 2 hours /week for 30 week	18.2 % of training in year 1
	1 CP		☒ Attendance of at least 10 weeks in the pacemaker clinic (twice \month, 3 hours /day)	9.1% of training in year 1
	1 CP		☒ Formative assessment	9.1% of training in year 1
Student signature			Principle coordinator Signature	Head of the department Signature

Management plan of the following case logs

Case	Minimal Number	Case	Minimal Number
Cardiovascular medicine:			
Valvular heart disease.			
Infective endocardsitis	10		
Rheumatic fever	7	Cardiomyopathy:	
Chronic valvular dysfunction.	25	Idiopathic dilated cardiomyopathy	20
		Ischaemic cardiomyopathy	25
Ischaemic Heart Disease:		Restrictive cardiomyopathy	1
Chronic stable angina.	25	Hypertrophic Cardiomyopathy	1
Post-myocardial infarction rehab. Case.	25	Peripartum cardiomyopathy.	5
Post PCI and/or CABG rehab. Case.	20		
		Arrhythmias:	
Heart Failure:		Atrial fibrillatriuon and flutter.	20
Chronic heart failure	25	Heart block	15
Intractable heart failue.	5	Pericardial diseases:	
		Pericarditis	4
Congenital heart disease:		Pericardial effusion.	4
Cyanotic congenital heart disaease.	5	Constrictive pericarditis.	1
Acyanotic congenital heart disaease.	10		
		Aortic diseases	
Hypertension	25	Aortic aneurysm	1
Evaluation of a cardiac patient for a non cardiac surgery	4		
Cardiac diseases during pregnancy	5	Pulmonary vascular disease	
Cardiac affection in other systemic diseases	5	Vascular cor-pumonale	5

* Level of participation

A- Plan and carry out
B- Carry out
C- Carry out under supervision

Procedure and practical skills of:

Procedure	Number	Procedure	Number
CVP line insertion	Level C 30 Level B 20 Level A 5	Arterial blood sampling	Level C 30 Level A 30
Monitoring of vital signs	Level C 30 Level B 20 Level A 50	Blood gas interpretation	Level A 50
ECG Reporting	Level A 100	Pericardiocentesis	Level C 10 Level B 20 Level A 20
Pacemaker Programming	Level C 20 Level B 20 Level A 30	Endotracheal intubation	Level C 20 Level B 10 Level A 5
Permenant pacemaker	Level B 20 Level A 10		

*** Level of competency**

C- Observe

B- Perform under supervision

A- Independently perform.

Year 2; 2 credit points for didactics

Name of the unit	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course6; Unit 1: Cardiovascular diseases	**2CP**	**Cardiovascular department**	**Year 2**	**28.6% of the didactics of Unit 1**
			Topics and attendance	
	1CP 0.6CP (0.15CP for each topic) 0.4CP		**10 hours attendance in the form of conferences or postgraduate teaching sessions** - Rheumatic heart disease 1.5h. - Rheumatic fever1.5h - Infective endocarditis1.5h. - Heart failure1.5h. - Pharmacological details of :4h ☒ Antihypertensive. ☒ Diuretics. ☒ B blockers. ☒ Digoxin.	14.28% 8.57% 5.7%
	0.9CP		**Attendance of the weekly scientific Seminars 2 hours \week for at least 15 week and presentation of at least one of these conferences**	12.9%
	0.1CP		- Formative Assessment.	1.43%
Student signature			Principle coordinator Signature	Head of the department signature

9 credit points out of total 38 points for training in year 2

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points of the total training of unit 1(37 CP)
Clinical training in Course6; unit1: Cardiovascular diseases	3CP	Cardiovascular medicine department	☒ Practice with clinical cases for at least 2 months in the department including fulfilling; ☒ Log of cardiovascular cases as mentioned below ☒ Procedures log as mentioned below	33.3% of unit training in year2
	2 CP		☒ Attendance in the outpatient clinic of at least 20 weeks (twice \month, 3 hours /day)	22.2% of unit training in year2
	2 CP		☒ Attend clinical teaching and clinical teaching for students 2 hours /week for 30 week	22.2 % of unit training in year2
	1 CP		☒ Attendance of at least 10 weeks in the pacemaker clinic (twice \month, 3 hours /day)	11.1% of unit training in year2
	1 CP		☒ Formative assessment	11.1% of unit training in year2
Student signature			Principle coordinator Signature	Head of the department Signature

Management plan of the following case log

Case	Minimal Number	Case	Minimal Number
Cardiovascular medicine:		Cardiac affection in other systemic diseases	5
Valvular heart disease.		Cardiomyopathy:	
Infective endocardsitis	10	Idiopathic dilated cardiomyopathy	20
Rheumatic fever	7	Ischaemic cardiomyopathy	25
Chronic valvular dysfunction.	25	Restrictive cardiomyopathy	1
		Hypertrophic Cardiomyopathy	1
Ischaemic Heart Disease:		Peripartum cardiomyopathy.	5
Chronic stable angina.	25		
Post-myocardial infarction rehab. Case.	25	Arrhythmias:	
Post PCI and/or CABG rehab. Case.	20	Atrial fibrillatriuon and flutter.	20
		Heart block	15
Heart Failure:		Pericardial diseases:	
Chronic heart failure	25	Pericarditis	4
Intractable heart failue.	5	Pericardial effusion.	4
		Constrictive pericarditis.	1
Congenital heart disease:			
Cyanotic congenital heart disaease.	5	Aortic diseases	
Acyanotic congenital heart disaease.	10	Aortic aneurysm	1
Hypertension	25	Pulmonary vascular disease	
Evaluation of a cardiac patient for a non cardiac surgery	4	Vascular cor –pulmonale	5
Cardiac diseases during pregnancy	5		

* Level of participation

A- Plan and carry out
B- Carry out
C- Carry out under supervision

Procedure and practical skills of:

Procedure	Number	Procedure	Number
CVP line insertion	Level C 30 Level B 20 Level A 5	Arterial blood sampling	Level C 30 Level A 30
Monitoring of vital signs	Level C 30 Level B 20 Level A 50	Blood gas interpretation	Level A 50
ECG Reporting	Level A 100	Pericardiocentesis	Level C 10 Level B 20 Level A 20
Pacemaker Programming	Level C 20 Level B 20 Level A 30	Endotracheal intubation	Level C 20 Level B 10 Level A 5
Permenant pacemaker	Level B 20 Level A 10		

* Level of competency

C- Observe

B- Perform under supervision

A- Independently perform.

Year 3; 2 credit points for didactic

Name of the unit	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course6; Unit 1: Cardiovascular diseases	**2CP**	**Cardiovascular department**	**Year 3**	**28.6% of the didactics of Unit 1**
			Topics and attendance	
	1CP 0.5CP (0.1CP for each topic) 0.5CP		**10 hours attendance in the form of conferences or postgraduate teaching sessions** - Adult congenital heart disease (CHD) - Myocardial diseases - Pericardial diseases - Heart and other systems - Pregnancy and cardiac disease - **Pharmacological details of :** -Coronary vasodilators. -Anti-thrombotics and antiplatelets	14.28% 7.14% 7.14%
	0.9CP		**- Attendance of the weekly scientific Seminars 2 hours \week for at least 15 week and presentation of at least one of these conferences**	12.9%
	0.1CP		- Formative Assessment.	1.43%
Student signature			Principle coordinator signature	Head of the department signature

10 credit points out of total 37 points for training in year 3

Management plan of the following case logs

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points of the total training of unit 1(37 CP)
Clinical training in cardiology department	3	Cardiovascular medicine department	☒ Practice with clinical cases for at least 2 months in the department including fulfilling; - Log of cardiovascular cases as mentioned below -Procedures log as mentioned below	30% of unit training in year3
	2		☒ Attendance in the outpatient clinic of at least 20 weeks (twice \month, 3 hours /day)	20% of unit training in year3
	2		☒ Attend clinical teaching and clinical teaching for students 2 hours /week for 30 week	20 % of unit training in year3
	1		☒ Attendance of at least 10 weeks in the pacemaker clinic (twice \month, 3 hours /day)	10% of unit training in year3
	1		☒ Formative assessment	10% of unit training in year3
Student signature			Principle coordinator Signature	Head of the department Signature

Case	Minimal Number	Case	Minimal Number
Cardiovascular medicine:		Cardiac affection in other systemic diseases	5
Valvular heart disease.		Cardiomyopathy:	
Infective endocardsitis	10	Idiopathic dilated cardiomyopathy	20
Rheumatic fever	7	Ischaemic cardiomyopathy	25
Chronic valvular dysfunction.	25	Restrictive cardiomyopathy	1
		Hypertrophic Cardiomyopathy	1
Ischaemic Heart Disease:		Peripartum cardiomyopathy.	5
Chronic stable angina.	25		
Post-myocardial infarction rehab. Case.	25	Arrhythmias:	
Post PCI and/or CABG rehab. Case.	20	Atrial fibrillatriuon and flutter.	20
		Heart block	15
Heart Failure:		Pericardial diseases:	
Chronic heart failure	25	Pericarditis	4
Intractable heart failue.	5	Pericardial effusion.	4
		Constrictive pericarditis.	1
Congenital heart disease:			
Cyanotic congenital heart disaease.	5	Aortic diseases	
Acyanotic congenital heart disaease.	10	Aortic aneurysm	1
		Cardiomyopathy:	
Hypertension	25	Idiopathic dilated cardiomyopathy	20
Evaluation of a cardiac patient for a non cardiac surgery	4	Pulmonary vascular disease	
Cardiac diseases during pregnancy	5	Vascular cor-pulmonale	5

* Level of participation

A- Plan and carry out
B- Carry out
C- Carry out under supervision

Procedure and practical skills of:

Procedure	Number	Procedure	Number
CVP line insertion	Level C 30 Level B 20 Level A 5	Arterial blood sampling	Level C 30 Level A 30
Monitoring of vital signs	Level C 30 Level B 20 Level A 50	Blood gas interpretation	Level A 50
ECG Reporting	Level A 100	Pericardiocentesis	Level C 10 Level B 20 Level A 20
Pacemaker Programming	Level C 20 Level B 20 Level A 30	Endotracheal intubation	Level C 20 Level B 10 Level A 5
Permenant pacemaker	Level B 20 Level A 10		

*** Level of competency**

C- Observe

B- Perform under supervision

A- Independently perform.

Year 4; 1 credit points for didactic

Name of the unit	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 1 Cardiovascular diseases	**1CP**	**Cardiovascular department**	**Year 4**	**14.28% of the didactics of Unit 1**
			Topics and attendance	
	0.9CP 0.1CP for each topic		**- 9 hours attendance in the form of conferences or postgraduate teaching sessions** - Peripheral arterial diseases - Chronic diseases of aorta - Pulmonary arterial hypertension - Thrombo-embolic venous disease - Cardiac tumors -Preventive cardiology - Rehabilitation and exercise - Assessment of patients with -- _cardiovascular disease to non cardiac surgery. - Pharmacological details of : ☒ Anti-dyslipidaemic ☒ Anticoagulats ☒ Antiarrythmic drugs ☒ Hypogylemic drugs ☒ Inotropic drugs	12.86% 1.43% for each tp[ic
	0.1CP		- Formative Assessment.	1.43%
Student signature			Principle coordinator signature	Head of the department signature

7 credit points out of total 18 points for training in year 4

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points of the total training of unit 1(37 CP)
Clinical training in course6; unit1: **Cardiovascular diseases**	2CP	Cardiovascular medicine department	☒ Practice with clinical cases for at least 2 months in the department including fulfilling; ☒ . ☒ Log of cardiovascular cases as mentioned below ☒ Procedures log as mentioned below	28.6% of unit training in year4
	1CP		☒ Attendance in the outpatient clinic of at least 20 weeks (twice \month, 3 hours /day)	14.3% of unit training in year4
	2 CP		☒ Attend clinical teaching and clinical teaching for students 2 hours /week for 30 week	28.6% of unit training in year4
	1 CP		☒ Attendance of at least 10 weeks in the pacemaker clinic (twice \month, 3 hours /day)	14.3% of unit training in year4
	1 CP		☒ Formative assessment	14.3% of unit training in year4
Student signature			Principle coordinator Signature	Head of the department Signature

Management plan of the following case logs

Case	Minimal Number	Case	Minimal Number
Cardiovascular medicine:		Cardiac affection in other systemic diseases	5
Valvular heart disease.		Cardiomyopathy:	
Infective endocardsitis	10	Idiopathic dilated cardiomyopathy	20
Rheumatic fever	7	Ischaemic cardiomyopathy	25
Chronic valvular dysfunction.	25	Restrictive cardiomyopathy	1
		Hypertrophic Cardiomyopathy	1
Ischaemic Heart Disease:		Peripartum cardiomyopathy.	5
Chronic stable angina.	25		
Post-myocardial infarction rehab. Case.	25	Arrhythmias:	
Post PCI and/or CABG rehab. Case.	20	Atrial fibrillatriuon and flutter.	20
		Heart block	15
Heart Failure:		Pericardial diseases:	
Chronic heart failure	25	Pericarditis	4
Intractable heart failue.	5	Pericardial effusion.	4
		Constrictive pericarditis.	1
Congenital heart disease:			
Cyanotic congenital heart disaease.	5	Aortic diseases	
Acyanotic congenital heart disaease.	10	Aortic aneurysm	1
		Cardiomyopathy:	
Hypertension	25	Idiopathic dilated cardiomyopathy	20
Evaluation of a cardiac patient for a non cardiac surgery	4		
Cardiac diseases during pregnancy	5	Peripheral vascular disease:	
		Vascular cor pulmonale	10

* Level of participation

A- Plan and carry out
B- Carry out
C- Carry out under supervision

Procedure and practical skills of:

Procedure	Number	Procedure	Number
CVP line insertion	Level C 30 Level B 20 Level A 5	Arterial blood sampling	Level C 30 Level A 30
Monitoring of vital signs	Level C 30 Level B 20 Level A 50	Blood gas interpretation	Level A 50
ECG Reporting	Level A 100	Pericardiocentesis	Level C 10 Level B 20 Level A 20
Pacemaker Programming	Level C 20 Level B 20 Level A 30	Endotracheal intubation	Level C 20 Level B 10 Level A 5
Permenant pacemaker	Level B 20 Level A 10		

*** Level of competency**

C- Observe

B- Perform under supervision

A- Independently perform.

Academic activities (conferences, workshops and teaching or attendance of clinical teaching)

Activity	Date	Role	Signature

Activity	Date	Role	Signature

Activity	Date	Role	Signature

Activity	Date	Role	Signature

Outpatient clinic

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Pacemaker clinic

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Module 1: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision

Module 1: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision

Module 1: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision

Module 1: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision

Module 1: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision

Module 1 : Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision

Module 1: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision

Module: Procedure log

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Module1: Procedure log

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Module: Procedure log

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Module1: Procedure log

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Clinical Seminars log

First : Attendance

Date	Attendance	Topic	Signature

Second: Case presentation

Date	Staff member	Case	Signature

Post graduate teaching
Second: Tutorial

Date	Title	Signature of Staff member

Post graduate teaching
Third: Clinical Teaching

Date	Title of lecture	Signature of Staff member

Postgraduate student's program
Rotation in training assessment

**** Name:***

**** Period of training From:***

**** To:***

**** Site:***

****Rotation***

General skills	could not judge (0)	strongly disagree(1)	(3))	(2	(5))	(4	(6)	strongly agree (7)
Demonstrate the competency of continuous evaluation of different types of care provision to patients in the different area of his field.								
Appraise scientific evidence.								
Continuously improve patient care based on constant								

self-evaluation and life-long learning.								
Participate in clinical audit and research projects.								

General skills	could not judge (0)	strongly disagree(1)	(3)	(2	(5)	(4	(6)	strongly agree (7)
Practice skills of evidence-based Medicine (EBM).								
Educate and evaluate students, residents and other health professionals.								
Design logbooks.								
Design clinical guidelines and standard protocols of management.								
Appraise evidence from scientific studies related to the patients' health problems.								
Apply knowledge of study designs and statistical methods to the appraisal of clinical studies.								
Use information technology to manage information, access on-line medical information; for the important topics.								
Master interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals, including:- • Present a case. • Write a consultation note. • Inform patients of a diagnosis and therapeutic plan Completing and								

maintaining comprehensive. • Timely and legible medical records. • Teamwork skills.								

General skills	could not judge (0)	strongly disagree(1)	(3))	(2	(5))	(4	(6)	strongly agree (7)
Create and sustain a therapeutic and ethically sound relationship with patients.								
Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member or leader of a health care team or other professional group.								
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.								
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.								
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.								
Work effectively in health care delivery settings and systems related to specialty including								

good administrative and time management.								
Practice cost-effective healthcare and resource allocation that does not compromise quality of care.								

General skills)	**could not judge (0)**	**strongly disagree(1)**	**(3))**	**(2**	**(5))**	**(4**	**(6)**	**strongly agree (7)**
Advocate for quality patient care and assist patients in dealing with system complexities.								
Design, monitor and evaluate specification of under and post graduate courses and programs.								
Act as a chair man for scientific meetings including time management								

Course6; Module (unit) 2 Cardiovascular emergencies:

	Didactic	% of unit 2 didactic points	Training	% of unit 2 training points
Year 1	2 credit points	28%	14 credit points	38%
Year 2	2 credit points	28%	10 credit points	27%
Year 3	2 credit points	28%	7 credit points	19%
Year 4	1 credit points	16%	6 credit points	16%
Total	7 credit points	100%	37 credit points	100%

Year 1; 2 credit points for didactic

Name of the unit	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course6; Unit 2: Cardiovascular emergencies	2CP	Cardiovascular department	Year 1	28.6% of the didactics of Unit 2
			Topics and attendance	
	1CP 0.2CP 0.4CP 0.4CP		10 hours attendance in the form of conferences or postgraduate teaching sessions - Acute dyspnea 2h -Chest pain, Define different causes and differential diagnosis 4h - Acute coronary syndromes (unstable angina, non ST elevation myocardial infarction [MI] and ST elevation.4h	14.28% 2.8% 5.7% 5.7%
	0.9CP		Attendance of the weekly scientific Seminars 2 hours \week for at least 15 week and presentation of at least one of these conferences	12.9%

	0.1CP		- Formative Assessment.	1.43%
Student signature			Principle coordinator signature	Head of the department signature

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points of the total training of unit 2(37 CP)
Clinical training in **course6; unit2: Cardiovascular emergencies**	3	Cardiovascular medicine department	☒ Practice with clinical cases for at least 2 months in the department (in coronary ICU& Emergency unit) including fulfilling; ☒ Log of cardiovascular cases as mentioned below ☒ Procedures log as mentioned below	21.4% of unit training in year 1
	10		☒ Shift (CCU or ED, from 9am to 9am) 1/week for 10 weeks	71.4% of unit training in year 1
	1		☒ Formative assessment	7.1% of unit

				training in year 1
Student signature			Principle coordinator Signature	Head of the department Signature

Year 1; 14 credit points for training

Management plan of the following case logs

Case	Minimal Number	Case	Minimal Number
Cardiogenic shock	20	Ventricular tachycardia and ventricular fibrillation	5
Pulmonary edema	25	Supraventricular tachycardia with haemodynamic instability	5
Acute coronary syndrome	50	Heart block with haemodynamic instability	5
Syncopal attack	20	Pericardial effusion- tamponade	2
Pulmonary embolism	5	Dissecting aortic aneurysm	1

* Level of participation
  A- Plan and carry out
  B- Carry out
  C- Carry out under supervision

Procedure and practical skills of:

Procedure	Number	Procedure	Number
CVP line insertion	Level C 30 Level B 20 Level A 5	ECG reporting	Level A 100
Monitoring of vital signs	Level C 30 Level B 20	Arterial blood sampling	Level C 30

	Level A 20		Level A 10
Electrical cardioversion	Level C 50 Level B 30 Level A 20	Blood gas interpretation	Level A 50
Cardiopulmonary resuscitation	Level C 30 Level B 30 Level A 30	Pericardiocentesis	Level C 30 Level B 20 Level A 10
Temporary pacemaker	Level C 10 Level B 8 Level A 6	Endotracheal intubation	Level C 20 Level B 10 Level A 5

*** Level of competency**

C- Observe

B- Perform under supervision

A- Independently perform.

Year 2; 2 credit points for didactic

Name of the unit	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course6; Unit2 Cardiovascular emergencies	**2CP**	**Cardiovascular department**	**Year 2**	**28.6% of the didactics of Unit2**
			Topics and attendance	
	1CP 0.25CP for each topic		**10 hours attendance in the form of conferences or postgraduate teaching sessions** - Acute heart failure and cardiogenic shock 2.5h - Arrhythmia.2.5h - Syncope 2.5h - Sudden cardiac death & resuscitation 2.5h.	14.28% 3.6 % for each topic
	0.9CP		**Attendance of the weekly scientific Seminars 2 hours \week for at least 15 week and presentation of at least one of these conferences**	12.9%
	0.1CP		- Formative Assessment.	1.43%
Student signature			Principle coordinator Signature	Head of the department signature

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points of the total training of unit 2(37 CP)
Clinical training in Course6; unit2: **Cardiovascular emergencies**	0.5CP	Cardiovascular medicine department	☒ Practice with clinical cases for at least 2 months in the department (in coronary ICU& Emergency unit) including fulfilling; ☒ Log of cardiovascular cases as mentioned below ☒ Procedures log as mentioned below	5% of unit training in year 2
	9CP		☒ Shift (CCU or ED, from 9am to 9am) 1/week for 9	90% of unit training in

			weeks	year 2
	0.5CP		☒ Formative assessment	5% of unit training in year 2
Student signature			Principle coordinator Signature	Head of the department Signature

10 CP of the total 38 training points in year 2

Management plan of the following case logs

Case	Minimal Number	Case	Minimal Number
Cardiogenic shock	20	Ventricular tachycardia and ventricular fibrillation	5
Pulmonary edema	25	Supraventricular tachycardia with haemodynamic instability	5
Acute coronary syndrome	50	Heart block with haemodynamic instability	5
Syncopal attack	20	Pericardial effusion- tamponade	2

Pulmonary embolism	5	Dissecting aortic aneurysm	1

* Level of participation
  A- Plan and carry out
  B- Carry out
  C- Carry out under supervision

Procedure and practical skills of:

Procedure	Number	Procedure	Number
CVP line insertion	Level C 30 Level B 20 Level A 5	ECG reporting	Level A 100
Monitoring of vital signs	Level C 30 Level B 20 Level A 20	Arterial blood sampling	Level C 30 Level A 10
Electrical cardioversion	Level C 50 Level B 30 Level A 20	Blood gas interpretation	Level A 50
Cardiopulmonary resuscitation	Level C 30 Level B 30 Level A 30	Pericardiocentesis	Level C 30 Level B 20 Level A 10
Temporary pacemaker	Level C 10 Level B 8 Level A 6	Endotracheal intubation	Level C 20 Level B 10 Level A 5

*** Level of competency**

C- Observe

B- Perform under supervision

A- Independently perform.

Year 3; 2 credit points for didactic

Name of the unit	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course6; Unit2: Cardiovascular emergencies	**2CP**	**Cardiovascular department**	**Year 3**	**28.6% of the didactics of Unit 2**
			Topics and attendance	
	1CP 0.5CP for each topic		**10 hours attendance in the form of conferences or postgraduate teaching sessions** - Acute diseases of aorta and trauma to the aorta and heart 5h - Management of critically ill patients with hemodynamic disturbances 5h.	14.28% 7.14% for each topic
	0.9CP		**Attendance of the weekly scientific Seminars 2 hours \week for at least 15 week and presentation of at least one of these conferences**	12.9%
	0.1CP		- Formative Assessment.	1.43%
Student signature			Principle coordinator signature	Head of the department signature

7 CP of the total 37 training points in year 3

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points of the total training of unit 2(37 CP)
Clinical training in **course6; unit2:Cardiovascular emergencies**	0.5CP	Cardiovascular medicine department	Practice with clinical cases for at least 2 months in the department (in coronary ICU& Emergency unit) including fulfilling; ☒ Log of cardiovascular cases as mentioned below ☒ Procedures log as mentioned below	7.1% of unit training in year 3
	6CP		☒ Shift (CCU or ED, from 9am to 9am) 1/week for 6 weeks	85.7%of unit training in year 3
	0.5CP		☒ Formative assessment	7.1% of unit training in year 3
Student signature			Principle coordinator Signature	Head of the department Signature

Management plan of the following case logs

Case	Minimal Number	Case	Minimal Number
Cardiogenic shock	20	Ventricular tachycardia and ventricular fibrillation	5
Pulmonary edema	25	Supraventricular tachycardia with haemodynamic instability	5
Acute coronary syndrome	50	Heart block with haemodynamic instability	5
Syncopal attack	20	Pericardial effusion- tamponade	2
Pulmonary embolism	5	Dissecting aortic aneurysm	1

* Level of participation
  A- Plan and carry out
  B- Carry out
  C- Carry out under supervision

Procedure and practical skills of:

Procedure	Number	Procedure	Number
CVP line insertion	Level C 30 Level B 20 Level A 5	ECG reporting	Level A 100
Monitoring of vital signs	Level C 30 Level B 20 Level A 20	Arterial blood sampling	Level C 30 Level A 10
Electrical cardioversion	Level C 50 Level B 30 Level A 20	Blood gas interpretation	Level A 50
Cardiopulmonary resuscitation	Level C 30 Level B 30 Level A 30	Pericardiocentesis	Level C 30 Level B 20 Level A 10
Temporary pacemaker	Level C 10 Level B 8 Level A 6	Endotracheal intubation	Level C 20 Level B 10 Level A 5

*** Level of competency**

C- Observe

B- Perform under supervision

A- Independently perform.

Year 4;1 credit points for didactic

Name of the unit	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course6; Unit 2 Cardiovascular emergencies	**1CP**	**Cardiovascular department**	**Year 4**	**14.28% of the didactics of Unit 2**
			Topics and attendance	
	0.5CP (0.25CP for each topic)		**5 hours attendance in the form of conferences or postgraduate teaching sessions** Acute diseases of aorta and trauma to the aorta and heart2.5h - Management of critically ill patients with hemodynamic disturbances2.5h	7.14% 3.57% for each
	0.4CP		**Attendance of the weekly scientific Seminars 2 hours \week for at least 8 weeks and presentation of at least one of these conferences**	5.7%
	0.1CP		- Formative Assessment.	1.43%
Student signature			Principle coordinator signature	Head of the department signature

6 CP of the total 18 training points in year

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points of the total training of unit 2(37 CP)
Clinical training in **course6; unit2:Cardiovascular emergencies**	0.5CP	Cardiovascular medicine department	Practice with clinical cases for at least 2 months in the department (in coronary ICU& Emergency unit) including fulfilling; ☒ Log of cardiovascular cases as mentioned below ☒ Procedures log as mentioned below	8.35% of unit training in year 4
	5CP		☒ Shift (CCU or ED, from 9am to 9am) 1/week for 5 weeks	83.3% of unit training in year 4
	0.5CP		☒ Formative assessment	8.35% of unit training in year 4
Student signature			Principle coordinator Signature	Head of the department Signature

Management plan of the following case logs

Case	Minimal Number	Case	Minimal Number
Cardiogenic shock	20	Ventricular tachycardia and ventricular fibrillation	5
Pulmonary edema	25	Supraventricular tachycardia with haemodynamic instability	5
Acute coronary syndrome	50	Heart block with haemodynamic instability	5
Syncopal attack	20	Pericardial effusion- tamponade	2
Pulmonary embolism	5	Dissecting aortic aneurysm	1

* Level of participation
  - A- Plan and carry out
  - B- Carry out
  - C- Carry out under supervision

Procedure and practical skills of:

Procedure	Number	Procedure	Number
CVP line insertion	Level C 30 Level B 20 Level A 5	ECG reporting	Level A 100
Monitoring of vital signs	Level C 30 Level B 20 Level A 20	Arterial blood sampling	Level C 30 Level A 10
Electrical cardioversion	Level C 50 Level B 30 Level A 20	Blood gas interpretation	Level A 50
Cardiopulmonary resuscitation	Level C 30 Level B 30 Level A 30	Pericardiocentesis	Level C 30 Level B 20 Level A 10
Temporary pacemaker	Level C 10 Level B 8 Level A 6	Endotracheal intubation	Level C 20 Level B 10 Level A 5

*** Level of competency**

C- Observe

B- Perform under supervision

A- Independently perform.

Academic activities (conferences, workshops and teaching or attendance of clinical teaching)

Activity	Date	Role	Signature

Activity	Date	Role	Signature

Activity	Date	Role	Signature

Activity	Date	Role	Signature

Shifts (emergency department, CCU and department)

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Module 2: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision

Module 2: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision

Module 2: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision

Module 2: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision

Module 2: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision

Module2 : Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision

Module 2: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision

Module 2: Procedure of log book

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Module 2 : Procedure of log book

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Module2: Procedure of log book

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Module2: Procedure of log book

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Clinical Seminars log

First : Attendance

Date	Attendance	Topic	Signature

Second: Case presentation

Date	Staff member	Case	Signature

Post graduate teaching
Second: Tutorial

Date	Title	Signature of Staff member

Post graduate teaching
Third: Clinical Teaching

Date	Title of lecture	Signature of Staff member

Postgraduate student's program Rotation in training assessment

**** Name:***

**** Period of training From:***

**** To:***

**** Site:***

****Rotation***

General skills	could not judge (0)	strongly disagree(1)	(3))	(2	(5))	(4	(6)	strongly agree (7)
Demonstrate the competency of continuous evaluation of different types of care provision to patients in the different area of his field.								
Appraise scientific evidence.								
Continuously improve patient care based on constant self-evaluation and								

life-long learning.								
Participate in clinical audit and research projects.								

General skills	could not judge (0)	strongly disagree(1)	(3)	(2	(5)	(4	(6)	strongly agree (7)
Practice skills of evidence-based Medicine (EBM).								
Educate and evaluate students, residents and other health professionals.								
Design logbooks.								
Design clinical guidelines and standard protocols of management.								
Appraise evidence from scientific studies related to the patients' health problems.								
Apply knowledge of study designs and statistical methods to the appraisal of clinical studies.								
Use information technology to manage information, access on-line medical information; for the important topics.								
Master interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals, including:- • Present a case. • Write a consultation note. • Inform patients of a diagnosis and therapeutic plan Completing and								

maintaining comprehensive. • Timely and legible medical records. • Teamwork skills.								

General skills	could not judge (0)	strongly disagree(1)	(3))	(2	(5))	(4	(6)	strongly agree (7)
Create and sustain a therapeutic and ethically sound relationship with patients.								
Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member or leader of a health care team or other professional group.								
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.								
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.								
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.								
Work effectively in health care delivery settings and systems related to specialty including								

good administrative and time management.								
Practice cost-effective healthcare and resource allocation that does not compromise quality of care.								

General skills)	could not judge (0)	strongly disagree(1)	(3))	(2	(5))	(4	(6)	strongly agree (7)
Advocate for quality patient care and assist patients in dealing with system complexities.								
Design, monitor and evaluate specification of under and post graduate courses and programs.								
Act as a chair man for scientific meetings including time management								

Module 3 Non-invasive testing

	Didactic	% of unit 3 didactic points	Training	% of unit 3 training points
Year 1	2 credit points	34%	5 credit points	16%
Year 2	1 credit points	16%	10 credit points	34%
Year 3	1 credit points	16%	10 credit points	34%
Year 4	2 credit points	34%	5 credit points	16%
Total	6 credit points	100%	30 credit points	100%

Year 1; 2 credit points for didactic

Name of the unit	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course6; Unit 3: Non-invasive testing	**2CP**	**Cardiovascular department**	**Year 1**	**28.6% of the didactics of Unit 3**
			Topics and attendance	
	1CP 0.33CP for each topic		**10 hours attendance in the form of conferences or postgraduate teaching sessions** - Electrocardiogram (ECG) -chest x ray interpretation - Ambulatory ECG	14.28% 4.28% for each
	0.9CP		**Attendance of the weekly scientific Seminars 2 hours \week for at least 15 week and presentation of at least one of these conferences**	12.9%
	0.1CP		- Formative Assessment.	1.43%
Student signature			Principle coordinator signature	Head of the department signature

5 credit points from total of 30 CP of training in year 1

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points of the total training of unit 3 (30 CP)
Clinical training in **course6; Unit 3: Non-invasive testing**	1.5CP	Cardiovascular medicine department	☒ Attendance of at least 15 weeks in the (once \week) echocardiography lab (3 hours /day) including fulfilling procedure log	30% of unit training in year 1
	0.5CP		☒ Attendance of at least 5 weeks in the Holter monitoring unit (once \month, 3 hours /day) including fulfilling procedure log	10% of unit training in year 1
	1CP		☒ Attendance of at least 10 weeks in the stress echo lab (once \month, 3 hours /day including fulfilling procedure log	20% of unit training in year 1
	1CP		☒ Attendance of at least 10 weeks in the stress ECG lab (thrice \month, 1 hours /day including fulfilling procedure log	20% of unit training in year 1
	0.5CP		☒ Attendance of at least 5 weeks in the cardiac Multislice CT (once \month, 3 hours /day including fulfilling procedure log).	10% of unit training in year 1
	0.5CP		☒ Formative assessment	10% of unit training in year 1
Student signature			Principle coordinator Signature	Head of the department Signature

Procedure and practical skills of:

Procedure	Number
ECG Reporting	Level A 100
Echocardiography	Level A 100 Level C 100
TEE	Level C 30 Level B 20 Level A 10
Stress ECG	Level C 150 Level B 50 Level A 30
Holter ECG	Level A 20 Level C 20
MSCT coronary angiography	Level C 5

*** Level of competency**

C- Observe

B- Perform under supervision

A- Independently perform.

Year 2; 1 credit points for didactic

Name of the unit	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course6; Unit 3: Non-invasive testing	**1CP**	**Cardiovascular department**	**Year 2**	**14.3% of the didactics of Unit 3**
			Topics and attendance	
	0.5CP (0.25CP for each topic)		**10 hours attendance in the form of conferences or postgraduate teaching sessions** **5 hours attendance in the form of conferences or postgraduate teaching sessions** - Stress testing - Echocardiography	7.14% 3.6% for each
	0.4CP		**Attendance of the weekly scientific Seminars 2 hours \week for at least 5 weeks and presentation of at least one of these conferences**	5.7%
	0.1CP		- Formative Assessment.	1.43%
Student signature			Principle coordinator signature	Head of the department signature

10 credit points from total of 38 CP of training in year 2

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points of the total training of unit 3 (30 CP)
Clinical training in **course6; Unit 3: Non-invasive testing**	3CP	Cardiovascular medicine department	☒ Attendance of at least 15 weeks in the (once \week) echocardiography lab (4 hours /day) including fulfilling procedure log	30% of unit training in year2
	1 CP		☒ Attendance of at least 5 weeks in the Holter monitoring unit (once \month, 3 hours /day) including fulfilling procedure log	10% of unit training in year2
	2 CP		☒ Attendance of at least 10 weeks in the stress echo lab (once \month, 3 hours /day including fulfilling procedure log	20% of unit training in year2
	2 CP		☒ Attendance of at least 10 weeks in the stress ECG lab (thrice \month, 1 hours /day including fulfilling procedure log	20% of unit training in year2
	1 CP		☒ Attendance of at least 5 weeks in the cardiac Multislice CT (once \month, 3 hours /day) including fulfilling procedure log	10% of unit training in year2
	1 CP		☒ Formative assessment	10% of unit training in year2
Student signature			Principle coordinator Signature	Head of the department

				Signature

Procedure and practical skills of:

Procedure	Number
ECG Reporting	Level A 100
Echocardiography	Level A 100 Level C 100
TEE	Level C 30 Level B 20 Level A 10
Stress ECG	Level C 150 Level B 50 Level A 30
Holter ECG	Level A 20 Level C 20
MSCT coronary angiography	Level C 5

*** Level of competency**

C- Observe

B- Perform under supervision

A- Independently perform.

Year 3;1 credit points for didactic

Name of the unit	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 3 Non-invasive testing	**1CP**	**Cardiovascular department**	**Year 3**	**14.3% of the didactics of Unit 3**
			Topics and attendance	
	0.5CP (0.25CP for each topic)		**10 hours attendance in the form of conferences or postgraduate teaching sessions** **5 hours attendance in the form of conferences or postgraduate teaching sessions** - Echocardiography - Interpretation of cardiac CT and MRI	7.14% 3.6% for each
	0.4CP		**Attendance of the weekly scientific Seminars 2 hours \week for at least 5 weeks and presentation of at least one of these conferences**	5.7%
	0.1CP		- Formative Assessment.	1.43%
Student signature			Principle coordinator signature	Head of the department signature

10 credit points from total of 38 CP of training in year 3

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points of the total training of unit 3 (30 CP)
Clinical training in **Unit 3 Non-invasive testing**	3CP	Cardiovascular medicine department	☒ Attendance of at least 15 weeks in the (once \week) echocardiography lab (4 hours /day) including fulfilling procedure log	30% of unit training in year3
	1		☒ Attendance of at least 5 weeks in the Holter monitoring unit (once \month, 3 hours /day) including fulfilling procedure log	10% of unit training in year3
	2		☒ Attendance of at least 10 weeks in the stress echo lab (once \month, 3 hours /day including fulfilling procedure log	20% of unit training in year3
	2		☒ Attendance of at least 10 weeks in the stress ECG lab (thrice \month, 1 hours /day including fulfilling procedure log	20% of unit training in year3
	1		☒ Attendance of at least 5 weeks in the cardiac Multislice CT (once \month, 3 hours /day) including fulfilling procedure log	10% of unit training in year3
	1		☒ Formative assessment	10% of unit training in year3
Student signature			Principle coordinator Signature	Head of the department Signature

Procedure and practical skills of:

Procedure	Number
ECG Reporting	Level A 100
Echocardiography	Level A 100 Level C 100
TEE	Level C 30 Level B 20 Level A 10
Stress ECG	Level C 150 Level B 50 Level A 30
Holter ECG	Level A 20 Level C 20
MSCT coronary angiography	Level C 5

*** Level of competency**

C- Observe

B- Perform under supervision

A- Independently perform.

Year 4; 2 credit points for didactic

Name of the unit	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course6;Unit 3 :Non-invasive testing	**2CP**	Cardiovascular department	**Year 4**	**28.6% of the didactics of Unit 3**
			Topics and attendance	
	1CP 0.5CP for each topic		**10 hours attendance in the form of conferences or postgraduate teaching sessions** **- sessions** - Echocardiography - Nuclear cardiology study interpretation	14.28% 7.14% for each
	0.9CP		**Attendance of the weekly scientific Seminars 2 hours \week for at least 10 week and presentation of at least one of these conferences**	12.9%
	0.1CP		- Formative Assessment.	1.43%
Student signature			Principle coordinator signature	Head of the department signature

5 credit points from total of 18 CP of training in year 4

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points of the total training of unit 3 (30 CP)
Clinical training in **Unit 3 :Non-invasive testing**	1.5CP	Cardiovascular medicine department	☒ Attendance of at least 15 weeks in the (once \week) echocardiography lab (4 hours /day)	30% of unit training in year4
	0.5CP		☒ Attendance of at least 5 weeks in the Holter monitoring unit (once \month, 3 hours /day) including fulfilling procedure log.	10% of unit training in year4
	1CP		☒ Attendance of at least 10 weeks in the stress echo lab (once \month, 3 hours /day including fulfilling procedure log	20% of unit training in year4
	1CP		☒ Attendance of at least 10 weeks in the stress ECG lab (thrice \month, 1 hours /day including fulfilling procedure log	20% of unit training in year4
	0.5CP		☒ Attendance of at least 5 weeks in the cardiac Multislice CT (once \month, 3 hours /day) including fulfilling procedure log	10% of unit training in year 4
	0.5CP		☒ Formative assessment	10% of unit training in year 4
Student signature			Principle coordinator Signature	Head of the department Signature

Procedure and practical skills of:

Procedure	Number
ECG Reporting	Level A 100
Echocardiography	Level A 100 Level C 100
TEE	Level C 30 Level B 20 Level A 10
Stress ECG	Level C 150 Level B 50 Level A 30
Holter ECG	Level A 20 Level C 20
MSCT coronary angiography	Level C 5

*** Level of competency**

C- Observe

B- Perform under supervision

A- Independently perform.

Academic activities (conferences, workshops and teaching or attendance of clinical teaching)

Activity	Date	Role	Signature

Activity	Date	Role	Signature

Activity	Date	Role	Signature

Activity	Date	Role	Signature

Echocardiography lab.

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Holter monitoring unit

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Stress Echocardiography unit

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Stress ECG unit

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Cardiac MSCT center

Date and duration	Location	Signature of supervisor

Module 3: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
  A- Plan and carry out
  B- Carry out
  C- Carry out under supervision

Module 3: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
  A- Plan and carry out
  B- Carry out
  C- Carry out under supervision

Module 3: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
  A- Plan and carry out
  B- Carry out
  C- Carry out under supervision

Module3: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
  A- Plan and carry out
  B- Carry out
  C- Carry out under supervision

Module 3: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
  A- Plan and carry out
  B- Carry out
  C- Carry out under supervision

Module 3: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
  A- Plan and carry out
  B- Carry out
  C- Carry out under supervision

Module 3: Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

* Level of participation
  A- Plan and carry out
  B- Carry out
  C- Carry out under supervision

Module3: Procedure of log book

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Module3: Procedure of log book

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Module3: Procedure of log book

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Module3: Procedure of log book

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Clinical Seminars log

First : Attendance

Date	Attendance	Topic	Signature

Second: Case presentation

Date	Staff member	Case	Signature

Post graduate teaching
Second: Tutorial

Date	Title	Signature of Staff member

Post graduate teaching
Third: Clinical Teaching

Date	Title of lecture	Signature of Staff member

Postgraduate student's program
Rotation in training assessment

**** Name:***

**** Period of training From:***

**** To:***

**** Site:***

****Rotation***

General skills	could not judge (0)	strongly disagree(1)	(3)) (2		(5)) (4		(6)	strongly agree (7)
Demonstrate the competency of continuous evaluation of different types of care provision to patients in the different area of his field.								
Appraise scientific evidence.								
Continuously improve patient care based on constant self-evaluation and life-long learning.								
Participate in clinical audit and research projects.								

General skills	could not judge	strongly disagree(1)	(3)) (2	(5)) (4	(6)	strongly agree (7)

	(0)							
Practice skills of evidence-based Medicine (EBM).								
Educate and evaluate students, residents and other health professionals.								
Design logbooks.								
Design clinical guidelines and standard protocols of management.								
Appraise evidence from scientific studies related to the patients' health problems.								
Apply knowledge of study designs and statistical methods to the appraisal of clinical studies.								
Use information technology to manage information, access on-line medical information; for the important topics.								
Master interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals, including:- • Present a case. • Write a consultation note. • Inform patients of a diagnosis and therapeutic plan Completing and maintaining comprehensive. • Timely and legible medical records. • Teamwork skills.								

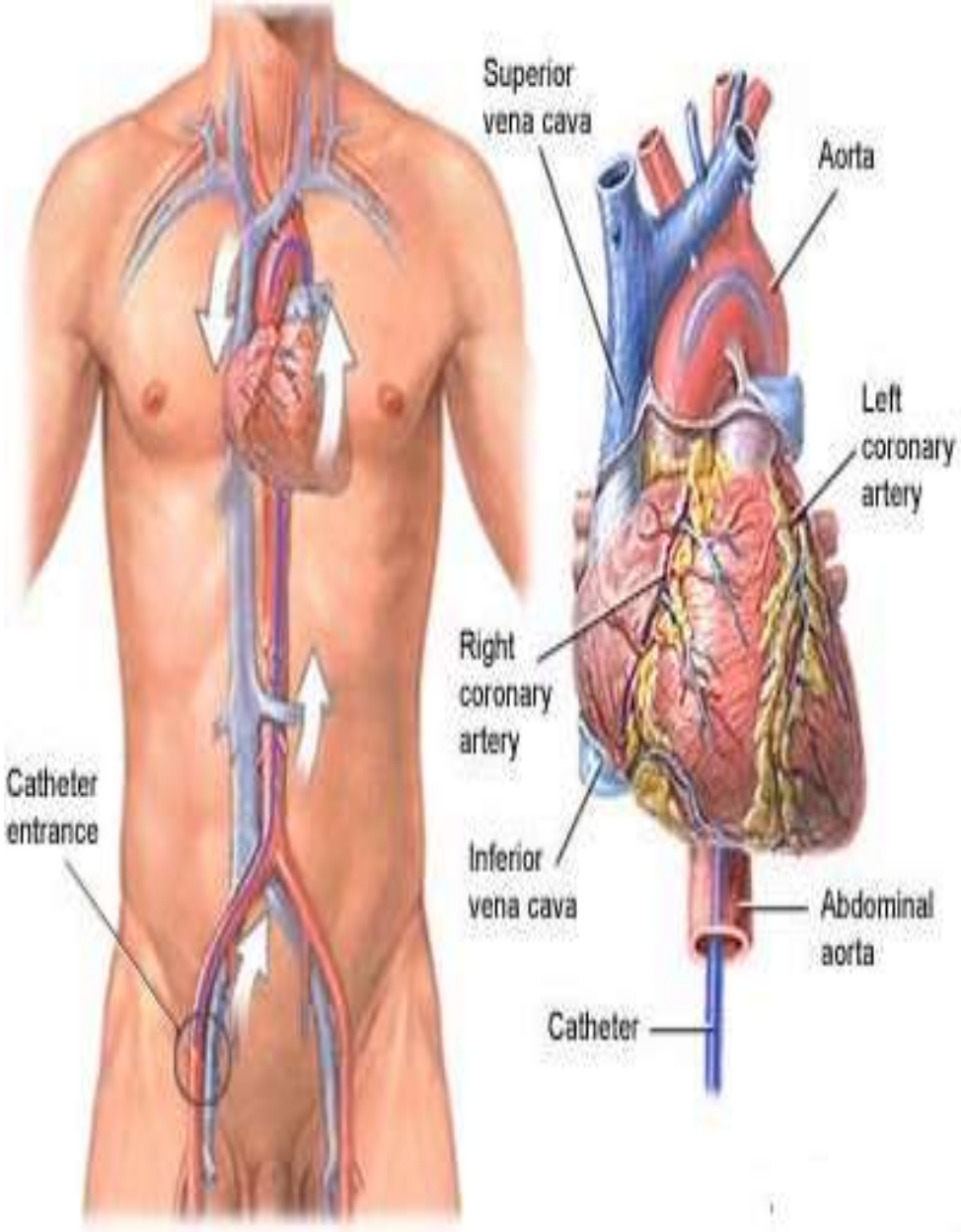
General skills	could not judge (0)	strongly disagree(1)	(3))	(2	(5))	(4	(6)	strongly agree

								(7)
Create and sustain a therapeutic and ethically sound relationship with patients.								
Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member or leader of a health care team or other professional group.								
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.								
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.								
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.								
Work effectively in health care delivery settings and systems related to specialty including good administrative and time management.								
Practice cost-effective healthcare and resource allocation that does not compromise quality of care.								

General skills)	could not judge (0)	strongly disagree(1)	(3)) (2	(5)) (4	(6)	strongly agree

								(7)
Advocate for quality patient care and assist patients in dealing with system complexities.								
Design, monitor and evaluate specification of under and post graduate courses and programs.								
Act as a chair man for scientific meetings including time management								

Module (unit) 4 Invasive Testing



	Didactic	% of unit 3 didactic	Training	% of unit 3 training

		points		points
Year 2	2 credit points	50%	9 credit points	47%
Year 3	2 credit points	50%	10 credit points	53%
Total	4 credit points	100%	19 credit points	100%

Year 2; 2 credit points for didactic

Name of the unit	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course6:Unit 4 invasive testing	**2CP**	**Cardiovascular department**	**Year 2**	**50% of the didactics of Unit 4**
			Topics and attendance	
	1CP 0.33CP for each topic)		**10 hours attendance in the form of conferences or postgraduate teaching sessions** - Coronary angiography. - Percutaneous coronary intervention. - Left and right heart catheterization.	25% 8.3% for each
	0.9CP		**Attendance of the weekly scientific Seminars 2 hours \week for at least 15 week and presentation of at least one of these conferences**	22.5%
	0.1CP		- Formative Assessment.	2.5%
Student signature			Principle coordinator signature	Head of the department signature

9 credit points from total of 38 CP of training in year

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points of the total training of unit 4 (19 CP)
Course6; Unit 4 invasive testing	7CP	Cardiovascular medicine department	☒ Attendance of at least 30 weeks in the Cath lab (Twice \week, 4 hours /day including fulfilling procedure log)	77.8% of unit training in year2
	2CP		☒ Formative assessment	22.2% of unit training in year2
Student signature			Principle coordinator Signature	Head of the department Signature

Procedure and practical skills of:

Procedure	Number
Coronary angiography	Level C 25 Level B 10 Level A 10
Coronary interventions	Level C 15 Level B 5
Valvuloplasty	Level C 5 Level B 2
Pericardiocentesis	Level C 15 Level B 10 Level A 5
Obtain a consent for invasive cardiac procedure	Level C 30 Level A 10

*** Level of competency**

C- Observe

B- Perform under supervision

A- Independently perform.

Year 3;2 credit points for didactic

Name of the unit	Credit points	Responsible department	Attendance	Percentage of Achieved points
Course6; Unit 4 invasive testing	2CP	Cardiovascular department	Year 2	50% of the didactics of Unit 4
			Topics and attendance	
	1CP 0.5CP for each topic)		**10 hours attendance in the form of conferences or postgraduate teaching sessions** - Endomyocardial biopsy. - Percutaneous Valvuloplasty	25% 12.5% for each
	0.9CP		**Attendance of the weekly scientific Seminars 2 hours \week for at least 15 week and presentation of at least one of these conferences**	22.5%
	0.1CP		- Formative Assessment.	2.5%
Student signature			Principle coordinator signature	Head of the department signature

10 credit points from total of 37 CP of training in year 3

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points of the total training of unit 4 (19 CP)
Clinical training in **course6; Unit 4 invasive testing**	8CP	Cardiovascular medicine department	☒ Attendance of at least 30 weeks in the Cath lab (Twice \week, 4 hours /day) including fulfilling procedure log.	80% of unit training in year3
	2CP		☒ Formative assessment	20% of unit training in year3
Student signature			Principle coordinator Signature	Head of the department Signature

Procedure and practical skills of:

Procedure	Number
Coronary angiography	Level C 25 Level B 10 Level A 10
Coronary interventions	Level C 15 Level B 5
Valvuloplasty	Level C 5 Level B 2
Pericardiocentesis	Level C 15 Level B 10 Level A 5
Obtain a consent for invasive cardiac procedure	Level C 30 Level A 10

*** Level of competency**

C- Observe

B- Perform under supervision

A- Independently perform.

Academic activities (conferences, workshops and teaching or attendance of clinical teaching)

Activity	Date	Role	Signature

Activity	Date	Role	Signature

Activity	Date	Role	Signature

Activity	Date	Role	Signature

Catheterization lab.

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Date and duration	Location	Signature of supervisor

Module 4: Procedure log

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Module 4 : Procedure log

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Module4: Procedure log

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Module 4: Procedure log

Procedure	Level of competency*	Signature	Procedure	Level of competency*	Signature

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Post graduate teaching
Didactics first lectures

Date	Title of topics	Signature of Staff member

Clinical Seminars log

First : Attendance

Date	Attendance	Topic	Signature

Second: Case presentation

Date	Staff member	Case	Signature

Post graduate teaching
Second: Tutorial

Date	Title	Signature of Staff member

Post graduate teaching
Third: Clinical Teaching

Date	Title of lecture	Signature of Staff member

Postgraduate student's program Rotation in training assessment

**** Name:***

**** Period of training From:***

To:

**** Site:***

****Rotation***

General skills	could not judge (0)	strongly disagree(1)	(3))	(2	(5))	(4	(6)	strongly agree (7)
Demonstrate the competency of continuous evaluation of different types of care provision to patients in the different area of his field.								
Appraise scientific evidence.								
Continuously improve patient care based on								

constant self-evaluation and life-long learning.								
Participate in clinical audit and research projects.								

General skills	could not judge (0)	strongly disagree(1)	(3)	(2	(5)	(4	(6)	strongly agree (7)
Practice skills of evidence-based Medicine (EBM).								
Educate and evaluate students, residents and other health professionals.								
Design logbooks.								
Design clinical guidelines and standard protocols of management.								
Appraise evidence from scientific studies related to the patients' health problems.								
Apply knowledge of study designs and statistical methods to the appraisal of clinical studies.								
Use information technology to manage information, access on-line medical information; for the important topics.								
Master interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals, including:- • Present a case. • Write a consultation note.								

• Inform patients of a diagnosis and therapeutic plan Completing and maintaining comprehensive. • Timely and legible medical records. • Teamwork skills.								

General skills	could not judge (0)	strongly disagree(1)	(3))	(2	(5))	(4	(6)	strongly agree (7)
Create and sustain a therapeutic and ethically sound relationship with patients.								
Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member or leader of a health care team or other professional group.								
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.								
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.								
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.								
Work effectively in health care delivery settings and systems								

related to specialty including good administrative and time management.								
Practice cost-effective healthcare and resource allocation that does not compromise quality of care.								

General skills	could not judge (0)	strongly disagree(1)	(3))	(2	(5))	(4	(6)	strongly agree (7)
Advocate for quality patient care and assist patients in dealing with system complexities.								
Design, monitor and evaluate specification of under and post graduate courses and programs.								
Act as a chair man for scientific meetings including time management								

Elective Course 1

Requirements

- **Credit points:** 1.5 credit point.

- Minimal rate of attendance 80% of lectures and 80% of training

One of these courses

- Advanced medical statistics.
- Evidence based medicine.
- Advanced infection control.
- Quality assurance of medical education.
- Quality assurance of clinical practice.
- -Hospital management

Name of the elective course: ----------

Elective Course Lectures

Date	Attendance	Topic	Signature

Elective Course Practical skills

Date	Attendance	Topic	Signature

Elective Course 2

Requirements

- **Credit points:** 1.5 credit point.

- Minimal rate of attendance 80% of lectures and 80% of training

One of these courses

- Advanced medical statistics.
- Evidence based medicine.
- Advanced infection control.
- Quality assurance of medical education.
- Quality assurance of clinical practice.
- -Hospital management

Name of the elective course: ----------

Elective Course Lectures

Date	Attendance	Topic	Signature

Elective Course Practical skills

Date	Attendance	Topic	Signature

Other scientific activities

Cardiovascular academic activities: **It involves any lectures, seminars, conferences or congresses, journal club the candidate attend in the field of cardiovascular medicine2.**

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization

C. Presentation

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization

C. Presentation

Cardiovascular activity:

Activity	Your role **	Date	Signature of supervisor

** Your role:-

A- Attendance
B- Organization
C. Presentation

Cardiovascular activity:

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization
C. Presentation

Cardiovascular Activity:

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization
C. Presentation

Cardiovascular activity:

activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization
C. Presentation

Cardiovascular activity:

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization
C. Presentation

Cardiovascular activity:

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization
C. Presentation

Cardiovascular activity:

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization
C. Presentation

Cardiovascular activity:

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization
C. Presentation

Cardiovascular activity:

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization
C. Presentation

Cardiovascular activity:

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization
C. Presentation

Cardiovascular activity:

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization
C. Presentation

Cardiovascular activity:

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization
C. Presentation

Cardiology activity:

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization
C. Presentation

Formative assessment and MCQ

Exam	Score	Grade*	Date	Signature

*Degree

A- Excellent B- very good C- Good D- Pass

Formative assessment and MCQ

Exam	Score	Grade*	Date	Signature

*Degree
A- Excellent B- very good C- Good D- Pass

الرسائل العلمية

عنوان الرسالة

عربـــــــــــــــــــــــي :

انجلـــــــــــــــــــــــيزي :

المشرفـــــــــــــــــــون :

1- .....
2- .....
3 .....
4- .....

تاريخ القيـــد لدرجـــة : ..... / /

تاريخ التسجيل الموضوع: .....

المتابعة الدوريـــــــــــة : .....

.

التاريخ	ما تم انجازه من بروتوكول البحث	المتبقي	توقيع المشرفين

Declaration

Course Structure Mirror	Responsible (Course) Coordinator Name:	Signature	Date
First Part			
-Course 1: Medical statistics			
-Course 2: Research methodology			
-Course 3: Medicolegal Aspects and Ethics in Medical Practice and Scientific Research			
-Course 4: Anatomy & physiology			
-Course 5:Cardiovascular1			
Second Part			
Course 6: Cardiovascular 2(Cardiovascular medicine)			
Unit (Module)1			
Unit(Module) 2			
Unit (Module)3			
Unit (Module)4			
- Elective Course (1) Certificate Dates:			
- Elective Course (2) Certificate Dates:			
- M. D. Thesis Acceptance Date:			

- Fulfillment of required credit points prior to final examination			
Cardiovascular medicine M.D. Degree Principle Coordinator:			
Date approved by Cardiovascular medicine Department Council:			

يعتمد ،
رئيس القسم