



ELECTIVE ROTATION MANUAL FOR PESHAWAR INSTITUTE OF CARDIOLOGY



KHYBER GIRLS MEDICAL COLLEGE



Dear Students,

We are delighted to provide you with this manual to help you prepare for your elective rotation and make the most of this valuable learning experience.

This manual provides essential information about the policies and procedures for the elective rotation program at PIC. We encourage you to read it carefully and refer to it often during your rotation.

We hope that your elective rotation at PIC will be a rewarding experience, providing you with the opportunity to enhance your medical knowledge, develop practical skills, and gain exposure to the latest medical technologies and practices.

Undertaking an elective rotation at Peshawar Institute of Cardiology can be a valuable stepping stone for students who are considering a career in cardiology or related medical fields.

We wish you the best of luck in your elective rotation and look forward to your successful completion of the program.

Sincerely,

The Elective Rotation Team at Khyber Girls Medical College

INTRODUCTION

This manual is intended to provide guidance and information for students of Khyber Girls Medical College (KGMC) who are undertaking Elective rotations at Peshawar Institute of Cardiology (PIC). The manual outlines the requirements, rules and regulations, and resources available to students during their Elective rotations at PIC.

The Elective rotations at PIC provide an excellent opportunity for students to gain hands-on experience in cardiology and related medical fields. The Elective rotations are designed to help students develop practical skills, enhance their medical knowledge, and gain exposure to the latest medical technologies and practices.

Undertaking an elective rotation at Peshawar Institute of Cardiology can provide students with a valuable opportunity to gain exposure to the field of Cardiology and explore their interest in pursuing a career in this specialty.

We hope that students find this manual informative and helpful, and we wish them the best of luck in their elective rotations at PIC.

This manual provides detailed information on the following topics:

1. Introduction to PIC
2. Eligibility criteria and Duration of the Elective rotation
3. Application process
4. Specialties offered at PIC for Electives
5. Obligations of the student during the Elective rotation
6. Electives cancellation policy
7. Electives rotation assessment and completion certificate
8. Contact information for PIC and KGMC Elective coordinators

We hope that this manual will help students of KGMC to have a productive and enjoyable elective rotation experience at PIC. We encourage students to read the manual carefully and familiarize themselves with the policies and procedures before embarking on their elective rotation.

1. Introduction to Peshawar Institute of Cardiology - MTI



Peshawar Institute of Cardiology - MTI is a state-of-the-art Heart & Vascular hospital that provides the most advanced and comprehensive care for cardiac, vascular and pulmonary problems in Khyber Pakhtunkhwa, Pakistan.

A full time devoted team of experienced Cardiologists, Cardiac Surgeons, Anesthetists, OT Assistants, Cath Lab technicians, Nurses, and Pharmacists work together to provide integrated & individualized care to every patient.

The departments are offering a wide range of clinical services as well as diagnostic, therapeutic and rehabilitation facilities for the patients. PIC-MTI Cardiac Emergency services are also contributing by reducing fatality risk significantly in heart attack/chest pain patients with timely, quality, 24/7 care.

2. ELIGIBILITY CRITERIA AND DURATION OF THE ELECTIVES

Eligibility:

- a. Electives are open to undergraduate medical students who have successfully completed their first two professional exams.
- b. Electives will be compulsory for third-year MBBS and optional for 4th and Final year MBBS students

Duration and Location:

- a. Duration of electives will be three weeks and the timing will be 8 am to 4 pm.
- b. Electives will be done only during summer break.
- c. Khyber Girls Medical College has a memorandum of understanding with Peshawar Institute of Cardiology where students of 3rd, 4th, and final year MBBS can avail electives in summer break.

Requirements:

Students are required to identify their area of interest and choose an elective program that aligns with their career goals. They must also provide evidence of their academic standing and meet any other specific requirements of the program.

3. APPLICATION PROCESS:

- a. Students are required to submit their Elective form to the Elective Director and Electives Assistant Director (for review and approval)
- b. The elective form must include a choice of specialty (at least three choices) amongst those available at PIC

Required documents include:

1. Form for Elective Study at PIC is downloadable from website.
2. Three passport size pictures
3. Proof of passing the 2nd Professional examination (2nd Prof. DMC)
4. Select three departments in order of priority.

Applications must be complete and received 30 days prior to the elective start date. No exceptions

APPLICATION FORM FORMAT FOR ELECTIVE ROTATION**Khyber Girls Medical College**
Elective Rotation Form for PIC

Name of Student:

Father Name:

Contact No:

Email Address:

Year:

Choice of Specialty in order of preference:

1. _____

2. _____

3. _____

Marks in Previous Professional Examination: _____

Availability of Electives

- Elective placements will be made according to the needs of individual departments, and on a space-available basis.
- Due to the rotating nature of electives, college administration will be unable to respond to inquiries regarding their availability.
- The department of choice will be allotted according to merit among applicants for that particular department.
- College administration will be unable to reserve a position pending the receipt of an application.
- Only completed applications will be considered, and students are advised to provide alternate courses and/or dates.
- Students will be notified of acceptance as soon as possible, and college administration will always inform students at least two weeks before the course begins.
- Acceptance notifications will be communicated via email/SMS.

4. SPECIALITIES OFFERED AT PIC

PIC offers the following specialties for electives:

- i. Cardiology**
- ii. Cardiac Surgery**
- iii. Cardiac Care Unit**
- iv. Intensive Care Unit**
- v. Accident & Emergency**
- vi. Pediatric Cardiology**

Cardiology:

Location:	Department of Cardiology Peshawar Institute of Cardiology
Duration and Timings:	3 weeks (8AM to 4PM)
Months offered:	Summer break
Approving Authority:	Head of the department
Focal person	<ul style="list-style-type: none"> • Assistant professor • Personal secretary to Head of the Department
Prerequisite:	Notification from Electives Director KGMC

Rotation Description:

- History of common presentation of heart disease (chest pain, dyspnea)
- Cardiovascular examination.
- Conducting ECG.
- Observe common cardiac procedures such as ECHO, ETT, and Angiography.
- Attend OPD.
- Awareness of emergency treatment of myocardial infection.
- Checking Blood pressure and Pulse

Cardiac Surgery:

Location:	Department of Cardiac Surgery Peshawar institute of Cardiology
Duration and Timings:	3 weeks (8AM to 4PM)
Months offered:	Summer break
Approving Authority:	Head of the Department
Focal person	<ul style="list-style-type: none"> • Assistant Professor • Personal secretary to Head of the department
Prerequisite:	Notification from Electives Director KGMC

Rotation Description:

- Take history of a common Cardiac surgical presentations
- Practice the Cardiac examinations.
- Observe the common procedures such as cardiac monitoring etc
- BP and Pulse monitoring
- Attend OPD regularly
- Proper care of post-surgical patients
- Practice of proper IV cannulation.
- Observe the common cardiac surgical procedures

Pediatric Cardiology:

Location:	Department of Pediatrics Cardiology Peshawar Institute of Cardiology
Duration and Timings:	3 weeks (8 AM to 4 PM)
Months offered:	Summer break
Approving Authority:	Head of the Department
Focal person	<ul style="list-style-type: none"> • Assistant Professor • Personal secretary to Head of the department
Prerequisite:	Notification from Electives director KGMC

Rotation Description:

- Take history of a patient of a child with common presentations such as congenital heart diseases
- Measure the weight and height of child and Plotting of a growth chart.
- Observe and practice IM and IV injection.
- Observe the common procedures such as IV cannulation, catheterization and lumbar puncture.
- Attend the neonatal ICU.
- Attend the ward rounds and OPDs.
- Enter and trace the investigation of patients.
- Assist the patient in carrying departmental calls.

Intensive care Medicine:

Location:	Department of Intensive care Medicine Peshawar Institute of Cardiology
Duration and Timings:	3 weeks (8 AM to 4 PM)
Months offered:	Summer break
Approving Authority:	Head of the Department
Focal person	<ul style="list-style-type: none"> • Assistant Professor • Personal secretary to Head of the department
Prerequisite:	Notification from Electives director KGMC

Rotation Description:

- To take daily progress report of critical patient.
- Observe the different procedure such as intravenous cannulation, catheterization, nasogastric intubation, central line insertion and tracheal intubation.
- Observe the monitor and ventilator.
- Observe the handling and taking over the records of a ICU patient.
- To enter and trace the investigation of a patient.
- To observe the cardiopulmonary resuscitation.

Cardiac Care Unit:

Location:	CCU Peshawar Institute of Cardiology
Duration and Timings:	3 weeks (8 AM to 4 PM)
Months offered:	Summer break
Approving Authority:	Head of the Department
Focal person	<ul style="list-style-type: none"> • Assistant Professor • Personal secretary to Head of the department
Prerequisite:	Notification from Electives director KGMC

Rotation Description:

- To take daily progress report of critical patient.
- Observe the different procedure such as intravenous cannulation, catheterization, nasogastric intubation, central line insertion and tracheal intubation.
- Observer the monitor and ventilator.
- Observe the handling and taking over the records of a ICU patient.
- To enter and trace the investigation of a patient.
- To observe the cardiopulmonary resuscitation.

Emergency care Medicine:

Location:	Department of Emergency care Medicine Peshawar Institute of Cardiology
Duration and Timings:	3 weeks (8 AM to 4 PM)
Months offered:	Summer break
Approving Authority:	Head of the department
Focal person	<ul style="list-style-type: none"> • Assistant Professor • Personal secretary to Head of the Department
Prerequisite:	Notification from Electives Director KGMC

Rotation Description:

- To take history and perform relevant examination.
- To assess the patient based on triage.
- To perform different procedure like as intravenous cannulation, catheterization, nasogastric intubation, central line insertion and tracheal intubation.
- To assess the patient in placing and shifting.
- Acquired skill in first aid.
- To practice stitching and dressing.
- To perform ECG of patient with chest pain.
- To observe cardiopulmonary resuscitation.
- To be aware the treatment of common emergency such as hypoglycemia, stroke and MI.

5. OBLIGATIONS OF STUDENTS

- Students from KGMC undertaking elective rotations at PIC shall abide by the rules and regulations of PIC.
- They will be expected to attend all clinical and educational activities arranged during their elective period.
- KGMC and PIC shall not be liable for any injury or loss suffered by students undertaking elective rotations at PIC. Students shall be responsible for their own safety and wellbeing during their elective rotations.

6. ELECTIVES CANCELLATION POLICY

Elective must be cancelled a minimum of one week prior to the start date via an application to Director Electives at KGMC.

7. ELECTIVES ROTATION ASSESSMENT AND COMPLETION **CERTIFICATE**

The certificate will be awarded by respective head of department based on feedback from ward Head nurse, Registrar and Assistant Professor

8. CONTACT INFORMATION FOR PIC AND KGMC ELECTIVE COORDINATORS

The students are required to submit their forms to the following:

i) Director Electives:

DR SARAH SHAHID: Assistant Professor Physiology Department, KGMC

ii) Assistant Director:

DR USHNA ZOOFEN: Lecturer Physiology Department, KGMC

iii) Focal Person at PIC:

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Feedback:

The elective director and assistant director will take feedback from students (experience of electives and suggestions for improvement) and submit it to the department of medical education.
