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# **STUDY GUIDE**

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**THIRD,FOURTH YEAR and FINAL YEAR COURSE**

Department of Radiology  
Ameer-ud-Din Medical College, Lahore

## INTRODUCTION TO STUDY GUIDE

Dear student,

Radiology department welcomes 3<sup>rd</sup> year, 4<sup>th</sup> year and final year students. Department of Radiology will facilitate you to understand radiological knowledge about disease in 3 years of your clinical side.

The purpose of your rotation in department of radiology is to provide basic support to understand the radiological diagnosis in management of medicine, surgery, gynae & obs, Paedes , eye and ENT disease..

For any assistance please do not hesitate to contact the teaching faculty of the department of Radiology.

We hope that your rotation in our department will be very fruitful and enjoyable and will equip you for future practical life.

**With compliments from:**

Head of department and members of faculty, Department of Radiology.

## **OBJECTIVES OF CURRICULUM**

General objectives of under graduate Radiology teaching and training are to equip the students with essential knowledge, skills and attitudes, so that they are able to:

- Select/advise the required radiological examination correctly.
- Identify gross abnormalities in the films.
- List indications and advantages of modern techniques.
- Recognize major abdominal viscera and their imaging characteristics.

## **CURRICULUM MAP**

You are entering in 1st year of clinical classes. Here you are going to study General Principles in Radiology along with other subjects.

In 3<sup>rd</sup> year you will get ward rotations only.

In 4<sup>th</sup> year you will get ward rotation and lectures as well, on radiological evaluation of diseases of ophthalmology and ENT.

Final year you are supposed to get lectures on radiological evaluation of diseases of surgery, medicine, gynae & obs and paedes.

# **STRUCTURE OF THIRD, FOURTH and FINAL YEAR**

## **3rd YEAR**

- In 3<sup>rd</sup> year class will be divided in multiple batches and each batch will be rotated in radiology ward for 2 days a week for a period of 3 weeks to learn about equaling 9 ward hours per batch.
- Orientation with machines
- Orientation of safety measures.
- Classes on images and films.

## **4<sup>th</sup> YEAR**

- In 4<sup>th</sup> year class will be divided in multiple batches and each batch will be rotated in radiology ward for 4 days a week for a period of 4 weeks to learn about equaling 24 ward hours per batch.
- Orientation with machines
- Orientation of safety measures.
- Classes on images and films.
- Four lectures will be conducted on 45mins duration per year equaling 3 lecture hours in which students will be learning about radiological evaluation of ophthalmological and ENT diseases.

## **Final Year**

- Fifteen lectures will be conducted in final year of 45 mins duration each. Resulting in total 12 lecture hours in which students will learn about radiological evaluation of diseases of surgery, medicine, gynae & obs and paedes.



**TIME TABLE FOURTH YEAR MBBS SESSION 2015-2020**  
**POSTGRADUATE MEDICAL INSTITUTE /**  
**AMEER-UD-DIN MEDICAL COLLEGE, LAHORE.**  
 Valid from 26.11.2018 to 31.08.19



DAY & LOCATION	08:00-08:45 AM	08:45 AM-9:30 AM	9:30 AM-10:15 AM	10:15 AM-10:30 AM	10:30 - 12:30 PM	12:30 - 02:30 PM
Monday (LGH)	Ophthalmology	ENT	Pediatrics	Break	Ward	
Tuesday (LGH)	ENT	Ophthalmology	Internal Medicine		Ward	
Wednesday (PGMI)	Community Medicine	Community Medicine	Community Medicine		Community Medicine Tutorial/Practical/Trip	
Thursday (LGH)	Pathology	Pathology	Internal Medicine		Practical/Tutorial Pathology	
Friday (LGH)	Gynae & Obstt	General Surgery	Pathology		10:30-12:00	
Saturday (LGH)	Pathology	General Surgery	Neurology/Neurosurgery Urology/ Pulmonology Dermatology/Anesthesia Orthopedic/Radiology		Ward	

- Lectures of Neurology will start from 26.11.18 to 22.12.18.
- Lectures of Neurosurgery will start from 01.01.19 to 02.02.19.
- Lectures of Urology will start from 04.02.19 to 09.03.19.
- Lectures of Pulmonology will start from 11.03.19 to 13.04.19.
- Lectures of Dermatology will start from 15.04.19 to 11.05.19.

- Lectures of Anaesthesia will start from 13.05.19 to 01.06.19
- Lectures of Orthopedics will start from 08.07.19 to 03.08.19
- Lectures of Radiology will start from 05.08.19 to 31.08.19
- Printed On 22.11.18

*[Signature]*  
 Head of Community  
 Medicine Department

*[Signature]*  
 Head of Pathology  
 Department

*[Signature]*  
 Head of ENT  
 Department

*[Signature]*  
**Prof. Muhammad Moiz**  
 MRCP(ophth); FRCO(ophth)(UK); FRCS(Edin); MCPS-HPE  
 Head of Ophthalmology Department  
 DIRECTOR  
 Medical Education Department  
 PGMI/AMC, LAHORE.

*[Signature]*  
**Prof. Mohammad Tayyab**  
 Professor of Obstetrics and Gynecology  
 FRCOG; FRCS (Edin); MRCP (Ire) FCPS; MCPS (HPE)  
 PRINCIPAL  
 Postgraduate Medical Institute  
 Ameer-ud-Din Medical College, Lahore.



**WARD ROTATION PROGRAM / FOURTH YEAR MBBS SESSION 2015-2020**  
**POSTGRADUATE MEDICAL INSTITUTE / AMEER-UD-DIN MEDICAL COLLEGE, LAHORE.**  
 Valid from 26.11.2018 to 31.08.19



Date & Half	A (1-10)	B (11-20)	C (21-30)	D (31-40)	E (41-50)	F (51-60)	G (61-70)	H (71-80)	I (81-90)	J (91-101)
Student Coordinator	R. No.07	R. No.11	R. No.28	R. No.39	R. No.48	R. No.57	R. No.67	R. No.71	R. No.85	R. No.93
26.11.18 to 22.12.18 4 Weeks	1 <sup>st</sup> Half 26 Nov-8 Dec S2=1-4 S3=5-7 S1=8-10	Ortho=11-15 Rad=16-20	Anae=21-25 Rad=26-30 Pschy=21-25	G2=31-34 G3=35-37 G1=38-40	Neuro*=41-45 Uro=46-50	Pulmo=51-55 Paeds=56-60	ENT2=60-65 ENT1=66-70	Eye2=71-74 Eye3=75-77 Eye1=78-80	Eye2=81-83 Eye3=84-86 Eye1=87-90	M1=91-93 M2=94-97 M3=98-101
01.01.19 to 19.01.19 3 Weeks	1 <sup>st</sup> Half 21-30 Jan M2=1-4 M3=5-7 M1=8-10	S2=11-14 S3=15-17 S1=18-20	Ortho=21-25 Rad=26-30 Ortho=26-30 Rad=21-25	Anae=31-35 Pschy=36-40	G2=41-44 G3=45-47 G1=48-50	Neuro*=51-55 Uro=56-60 Paeds=51-55	Pulmo=61-65 Paeds=66-70	ENT2=71-75 ENT1=76-80	ENT2=81-85 ENT1=86-90	Eye2=91-93 Eye3=94-97 Eye1=98-101
21.01.19 to 09.02.19 3 Weeks	2 <sup>nd</sup> Half 31 Jan-9 Feb Eye2=1-4 Eye3=5-7 Eye1=8-10	M2=11-14 M3=15-17 M1=18-20	S2=21-24 S3=25-27 S1=28-30	Ortho=31-35 Rad=36-40	Anae=41-45 Pschy=46-50	G2=51-53 G3=54-56 G1=57-60	Neuro* =61-65 Uro=66-70 Paeds=61-65	Pulmo=71-75 Paeds=76-80	ENT2=81-85 ENT1=86-90	ENT2=91-95 ENT1=96-101
11.2.19 to 09.03.19 3 Weeks	1 <sup>st</sup> Half 11-20 Feb 2 <sup>nd</sup> Half 21 Feb-9 Mar	Eye2=11-14 Eye3=15-17	M2=21-24 M3=25-27 M1=28-30	S2=31-34 S3=35-37 S1=38-40	Ortho=41-45 Rad=46-50	Anae=51-55 Pschy=56-60	G2=61-64 G3=65-67 G1=68-70	Neuro* =71-75 Uro=76-80	Pulmo=81-85 Paeds=86-90	Pulmo=86-90 Paeds=81-85



**TIME TABLE, FINAL YEAR MBBS SESSION 2014-2019**  
**POSTGRADUATE MEDICAL INSTITUTE / AMEER-UD-DIN MEDICAL COLLEGE,**  
**LAHORE.**



Valid from 12.12.18 to 14.09.19

DAY	08:00 – 08:50 AM	08:50 – 09:40 AM	09:40 – 10:30 AM	10:30 – 10:45 AM	10:45 – 12:30 PM	12:30 – 02:30 PM
Monday	General Surgery	Internal Medicine	Obstetrics & Gynaecology	BREAK	Wards	Wards
Tuesday	Internal Medicine	Plastic Surgery* Dermatology**	Psychiatry** Urology/ ** CPC last week of Month		Wards	Wards
Wednesday	Paediatric	Neurology* Neurosurgery**	Internal Medicine		Wards	Wards
Thursday	Obstetrics & Gynaecology	Internal Medicine	Paediatric		Wards	Wards
Friday	General Surgery	Orthopedic* Pulmonology*	09:30 – 12:00 PM			
			Wards			
Saturday	General Surgery	Radiology* Anaesthesia**	Obstetrics & Gynaecology		Wards	Wards


\* Lectures from **12.12.18 to 17.04.19.**

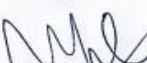
\*\* Lectures from **18.04.19 to 14.09.19.**

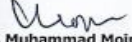
- Winter Vacation Break 24<sup>th</sup> Dec to 31<sup>st</sup> Dec.
- Spring Vacation Break 1<sup>st</sup> April to 8<sup>th</sup> April.


- Sports + Extra Curricular Activities in last week of Feb.
- Summer Vacation Break 03.06.19 to 06.07.19.
- **Printed On 06.12.2018.**

  
**Head of Paediatrics  
 Department**

  
**Head of Medicine  
 Department**

  
**Head of Surgery  
 Department**

  
**Prof. Muhammad Moin**  
 MRCOphth; FRCOphth(UK); FRCS(Edin); MCPS-HPE  
 Head of Ophthalmology Department  
 DIRECTOR  
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**WARD ROTATION PROGRAM, FINAL YEAR MBBS SESSION 2014-2019**  
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
Valid from 12.12.18 to 14.09.19


Rotation No.	Periods / Weeks Student Coordinator	A=1-8	B=9-17	C=18-26	D=27-34	E (35-43)	F (44-51)	G (52-61)	H (62-69)	I (70-78)	J (79-86)	K (87-95)	L (96-103)
		R. No.	R. No.	R. No.	R. No.	R. No.	R. No.	R. No.	R. No.	R. No.	R. No.	R. No.	R. No.
1.	12.12.18 to 05.01.19	S1	S3	S2	P1	P2	P2	G1	G2	G3	M1	M3	M2
2.	07.01.19 to 23.01.19	S3	S2	S1	P2	P1	P1	G2	G3	G1	M3	M2	M1
3.	24.01.19 to 09.02.19	S2	S1	S3	Derma/ Pschy	Derma/ Pschy	Derma/ Pschy	G3	G1	G2	M2	M1	M3
4.	11.02.19 to 06.03.19	P1	P2	P2	S1	S3	S2	M1	M3	M2	G1	G2	G3
5.	07.03.19 to 23.03.19	P2	P1	P1	S3	S2	S1	M3	M2	M1	G2	G3	G1
6.	25.03.19 to 17.04.19	Derma/ Pschy	Derma/ Pschy	Derma/ Pschy	S2	S1	S3	M2	M1	M3	G3	G1	G2
7.	18.04.19 to 04.05.19	G1	G2	G3	M1	M3	M2	S1	S3	S2	P1	P2	P2
8.	06.05.19 to 22.05.19	G2	G3	G1	M3	M2	M1	S3	S2	S1	P2	P1	P1
9.	23.05.19 to 13.07.19	G3	G1	G2	M2	M1	M3	S2	S1	S3	Derma/ Pschy	Derma/ Pschy	Derma/ Pschy
10.	15.07.19 to 31.07.19	M1	M3	M2	G1	G2	G3	P1	P2	P2	S1	S3	S2
11.	01.08.19 to 24.08.19	M3	M2	M1	G2	G3	G1	P2	P1	P1	S3	S2	S1
12.	26.08.19 to 14.09.19	M2	M1	M3	G3	G1	G2	Derma/ Pschy	Derma/ Pschy	Derma/ Pschy	S2	S1	S3

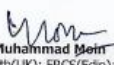
- Winter Vacation Break 24<sup>th</sup> Dec to 31<sup>st</sup> Dec.
- Spring Vacation Break 1<sup>st</sup> April to 8<sup>th</sup> April.
- Sports + Extra Curricular Activities in last week of Feb.
- Summer Vacation Break 03.06.19 to 06.07.19.


- Each Half consists of 7 + 8 = 15 Days.
- Printed on 06.12.2018

  
**Head of Paediatrics  
 Department**

  
**Head of Medicine  
 Department**

  
**Head of Surgery  
 Department**

  
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## **Learnig Resources:**

Radiological portions of the all the text books and Atlases



**Independent learning from the Internet**



## ATTITUDES

Attitude is a collection of behaviors. "Attitude is a learned predisposition to respond in a favorable or unfavorable manner towards people, an object, an idea or a situation" - - Martin Fishbein. Attitudes are based on predispositions and emotions and result in specific human behaviors. They are very difficult to learn. However observation and mentoring for attitudes or giving them weightage as in exams can influence learning of attitudes.

Sr.	
01.	Appearance of a doctor – professional dress up
02.	How to address a patient – polite, "Mrs", "Miss"
03	Body language – Behave with dignity
04	Respectful to patient
05	Empathetic & humane
06	Listen & examine (thorough)
07	Informed consent
08	Privacy - Covering the patient
09	Counseling & communication
10	Hard working
11	Documentation

## **SKILLS**

At the end of the session the students will be able to identify radiological images and films.

They will be fully oriented with radiological machines and safety measures