

**Fourth Year MBBS 2025**

**Study Guide**

**Renal Module**

**University Moto, Vision, Values & Goals**

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| **RMU Motto** | **Mission Statement**To impart evidence-based research-oriented health professional education in order to provide best possible patient care and inculcate the values of mutual respect, ethical practice of healthcare and social accountability.**Vision and Values**Highly recognized and accredited center of excellence in Medical Education, using evidence-based training techniquesfor development of highly competent health professionals, who are lifelong experiential learner and are socially accountable.**Goals of the Undergraduate Integrated Modular Curriculum**The Undergraduate Integrated Learning Program is geared to provide you with quality medical education inan environment designed to:* Provide thorough grounding in the basic theoretical concepts underpinning the practice of medicine.
* Develop and polish the skills required for providing medical services at all levels of the Health caredelivery system.
* Help you attain and maintain the highest possible levels of ethical and professional conduct in yourfuture life.
* Kindle a spirit of inquiry and acquisition of knowledge to help you attain personal and professionalgrowth & excellence.
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**Renal Module Team**

**Module Name: Renal Module Duration of Module: 4 Weeks Coordinator: Dr. Uzma Umar**

**Co-coordinator:Dr. Zoefashanfatima**

**Review by:Module Committee**

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| **Module Committee** |  |  | **Module Task Force Team** |
| 1. | Vice Chancellor RMU | Prof. Dr. Muhammad Umar |  | 1. | Coordinator | Dr. Uzma Umar (APWMO) |
| 2. | Director DME | Prof. Dr. Rai Muhammad Asghar |  | 2. | DME Focal Person | Dr. Maryum Batool |
| 3. | Convener Curriculum | Prof. Dr. Naeem Akhter |  | 3. | Co-coordinator | Dr. Zoefashan Fatima(Demonstrator) |
| 4. | Dean BasicnSciences | Prof. Dr. Ayesha Yousaf |  |  |  |  |
| 5. | Additional Director DME | Prof. Dr. Ifra Saeed |  |  |  |  |
| 6. | Chairperson Pharmacology | Dr. Attiya munir |  |  |
| 7. | Chairperson Pathology | Prof. Dr. Mobina Dhodhy |  | **DME Implementation Team** |
|  |  |  |  | 1. | Director DME | Prof. Dr. Rai Muhammad Asghar |
| 8. | Focal person community medicine | Dr Mehwish Riaz |  | 2. | Additional Director DME | Assoc.Prof Dr Asma Khan |
| 9. | Focal Person Pathology | Dr Aisha |  | 3. | Module planner & Implementation coordinator | Dr. Omaima Asif |
| 10. | Focal Person Quran Translation Lectures | Mufti abdul Wahid |  | 4. | Editor | Dr Omaima Asif |
| 11. | Focal Person Family Medicine | Dr Sadia |  |
| 12. | Focal Person Bioethics Department | Prof. Dr. Akram Randhawa |
| 13. | Focal Person Surgery | Dr Huma Sabir |
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**Week 1**

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|  | **8:00 AM – 9:00 AM** | **09:00am – 10:00am** | **BREAK 10:00AM – 10:30A** | **10:30am – 12:00pm** | **12:00pm - 02:00pm** |
|  |  | **Clinical clerkship** |
| **Tuesday** **30-09-25** | **PATHOLOGY (LGIS 1)** | **Pharmacology(LGIS)** |
| **Mechanism Of Glomerular Injury, Nephritic Syndrome** | **DIURETICS I** |
| **Even/lec. hall 1** | **Odd/lec. hall2** | **Even/lec.hall 2** | **Odd/lec. Hall 1** |
|  |  | Dr attiya munir | Dr haseeba talat |
| **Wednesday** **01-10-25** | **COMMUNITY MEDICINE (LGIS)** | **Pharmacology(LGIS)** |
| **Disaster management** | **DIURETICS II** |
| **Even/lec hall 1** | **Even/lec.hall 2** | **Even/lec.hall 2** | **Odd/lec. Hall 1** |
| Dr.Narjis (Senior Demo) | Dr Imrana (Senior Demo) | Dr attiya munir | Dr haseeba talat |
| **Thursday** **02-10-25** | **PATHOLOGY(LGI 2S)** | **COMMUNITY MEDICINE (LGIS)** |
| **Diseases Causing Nephritic Syndrome** | **Medical Entomology I Transmission Of Arthropods** |
| **Even/lec hall 2** | **Odd/ Lec hall 1** | **Even/lec.hall 1** | **Odd/lec. hall2** |
| DrMudassira Zahid | Dr Mehreen Fatima | Dr. Afifa Kulsoom AP | Dr. Mehwish Riaz AP |
| **Friday 03-10-2025** | **08:00AM – 09:45AM** | **09:45AM – 10:30** | **10:30AM – 11:15AM** | **11:15AM – 12:00PM** |  |
| **SGD** | **UROLOGY (LGIS)** | **NEPHROLOGY (LGIS)** | **PATHOLOGY(LGIS 3)** |

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|  | **Community Medicine / Pathology** |  |  |  |  |
| Parasitic disease/ Chronic Pyelonephritis , Introduction and Classification of ParasitesAmoebiasis ,ascariasis | **Lower Urinary Tract Congenital Anomalies** | **Glomerulonephritis** | **Pathologic Basis Of Nephrotic Syndrome (Primary Glomerular Diseases)** |
| **Batch A-H** | **Batch I-P** | **Even hall 4** | **Odd hall 5** | **Even /lec hall 5** | **Odd lec hall 4** | **Even/lec hall 5** | **Odd/lec hall4** |
| Dr. Afifa Kulsoom AP,Dr AbdulQuddus |  | Dr. Zein El Amir (Professor) | Dr M. Amin (sr. registrar) | Dr Sana Kifayat(asst prof,BBH) | Dr Asmara Asrar (asstProf,HFH) | Dr Fatima Tuz Zahra | Dr Kiran Fatima |
|  | **08:00AM – 09:45AM** | **09:45AM – 10:30** | **10:30AM – 11:15AM** | **BREAK 11:15AM – 11:45AM** | **11:45AM – 12:30PM** | **12:30PM – 01:15PM** | **01:15PM – 02:00PM** |
| **Saturday** **04-10-25** | **SGD / skill lab Community Medicine /****Pathology** | **ISLAMIC STUDIES (LGIS)** | **NEPHROLOGY (LGIS)** | **PATHOLOGY (LGIS 4 )** | **PAEDIATRICS (LGIS)** | **UROLOGY (LGIS)** |
|  | Qari abdul wahid | **Nephritic Syndrome** | **Nephrotic Syndrome In Systemic Diseases** | **Nephrotic Syndrome** | **Upper Urinary Tract Stone Diseases** |
| **SEMINAR NEPHROTIC SYNDROME** | **Batch I-P** | **Batch A-H** |  | **ODD hall 4** | **Even hall 5** | **Even/lec hall 5** | **Odd/lec hall 4** | **Even/lec hall 5** | **Odd****Odd/ Lec hall 4** | **Even/lec hall 5** | **Odd/ lec hall 4** |
| Dr. Afifa Kulsoom AP,Dr AbdulQuddus | Dr Mahjabeen | Dr Sana Kifayat(asst prof,BBH) | Dr Asmara Asrar(asst prof,HFH) | Dr. Mudassira Zahid | Dr Fatima Tuz Zara | Dr quat ul ain | Dr Maryam amjad | Dr M.Amin (Sr registrar) | Dr M Ali (Sr registrar) |

**Wk 2**

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| **DATE / DAY** | **8:00 AM – 9:00 AM** | **09:00am – 10:00am** | **BREAK 10:00AM – 10:30AM** | **10:30am – 12:00pm** | **12:00pm - 02:00pm** |
| **Monday****06-10-25** | **COMMUNITY MEDICINE** | **PHARMACOLOGY (LGIS)** | **CLINICAL CLERKSHIP of community medicine attached as annexures at the end of document Community oriented clerkship and other rotations will remain same. These will be completed at end of yr.** |
| **Vector Born Diseases Epidemiological Determinants** | **Diuretics 1II Potassium sparing** |
| **Odd /Lec hall 1** | **Even Even/lec hall 2** | **Even Even/lec hall 2** | **Even/lec hall 2** |
| Dr.Khola Noreen Assoc P | Dr. Sana Bilal Assoc P | Dr attiya munir | Dr haseeba talat |
| **Tuesday** | **COMMUNITY MEDICINE(LGIS)** | **PHARMACOLOGY (LGIS)** |

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| **7-10-25** | **Vector Born Diseases Prevention & Control** | **Diuretics 1II Potassium sparing** |  |  |
| **Even/lec hall 2** | **odd/lec hall 1** | **Even Even/lec hall 2** | **Odd /Lec hall 1** |
| Dr.Khola Noreen Assoc P | Dr Narjis (Senior Demo) | Dr attiya munir | Dr haseeba talat |
| **Wednesday 8-10-25** | **UROLOGY (CBL)** | **COMMUNITY MEDICINE (LGIS)** |
| **Trauma Urinary Tract.** | **Medical Entomology II Prevention and control** |
| **Odd /Lec hall 1** | **Even/lec hall 2** | **Even/lec hall 2** | **Odd /Lec hall 1** |
| Dr Zeeshan Qadeer(associate prof) | Dr Sadaat hashmi (chief consultant) | Dr. Afifa Kulsoom AP | Dr. Mehwish Riaz AP |
| **Thursday 9-10-25** | **UROLOGY (LGIS)** | **FAMILY MEDICINE (LGIS)** |
| **Lower Urinary Tract Stone Diseases** | **Red Flags Of BPH& Heamaturia** |
| **Odd /Lec hall 1** | **Even/lec hall 2** | **Even/Odd /Lec hall 1** |
| Dr ZeeshanQadeer (associate prof) | Dr.M. Ali (sr. registrar) | Dr sadia khan |
| **Friday 10-10-25** | **08:00AM – 09:45AM** | **09:45AM – 10:30** | **10:30AM – 11:15AM** | **11:15AM – 12:00PM** |  |
| **SGD / SKILL LAB** | **ISLAMIC STUDIES (LGIS)** | **NEPHROLOGY (LGIS)** | **PATHOLOGY (SGD 1)** |
| **Community Medicine Epidemiology of parasiticdisease; dracunculiasis &hookworm infestation / Pathology****presentations/(Wilms Tumor) SGD** | Qari abdul wahid | **Acute Renal Failure** | **Renal Vascular Diseases** |
| **Batch A-H** | **Batch I-P** | **Odd /Lec hall 1****Even** | **Even lecture hall 4** | **Odd lecture hall 5** | **Even lecture hall 4,6** | **Odd lecture hall 5,3** |
| Dr Asif (Senior Demo).Dr.Mehwish RiazAP |  |  | Dr Sana Kifayat (asst prof,BBH) | Dr Asmara Asrar(asst prof,HFH) | Dr Fatima Tuz ZahraDr Mudassira | Dr Mehreen Dr shabih Haider |
| **Saturday 11-10-25****SEMINAR RENAL FAILURE** | **08:00AM – 09:45AM** | **09:45AM – 10:30** | **10:30AM – 11:15AM** | **BREAK 11:15AM – 11:45AM** | **11:45AM – 12:30PM** | **12:30PM – 01:15PM** | **01:15PM – 02:00PM** |
| **PAL / SKILL LAB****Community Medicine Epidemiology of parasiticdisease; dracunculiasis &hookworm infestation / Pathology** | **PATHOLOGY (SGD 2)** | **NEPHROLOGY (LGIS)** | **PARMACOLOGY(SDL)** | **PAEDIATRICS (LGIS)** | **UROLOGY (LGIS)** |
| **SGD/Wilms Tumor** | **Tubulointerstitial Diseases** | **Chronic Renal Failure** | **Diuretics SDL** | **Renal Failure** | **Urinary Incontinence.** |
| **Batch I-P** | **Batch A-H** | **Hall 3,4** | **Hall 5,6** | **Even hall 4** | **Even hall 5** | **Even hall 4** | **Odd hall 5** | **Even hall 4** | **Odd hall5** | **Even hall 4** | **Odd hall5** |
| Dr Asif (Senior Demo).,Dr. | Dr Unaiza Aslam | Dr MudassiraZahid | Dr Kiran FatimaDr Sarah Rafi | Dr Sana Kifayat | Dr AsmaraAsrar(asst | Dr ayesha | Dr saba | Dr sadaf | Drmuneeba | **Dr. M.****Ameen (sr.** | Dr.M. Ali(sr. registrar |

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|  | Mehwish Riaz AP |  | Dr Fatima TuzZahra |  | (asst prof,BBH) | prof,HFH) |  |  |  |  |  | **registrar** |  |

**Wk 3**

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| **DATE / DAY** | **8:00 AM – 9:00 AM** | **09:00am – 10:00am** | **BREAK 10:00AM – 10:30AM** | **10:30am – 12:00pm** | **12:00pm - 02:00pm** |
| **Monday****13-10-25** | **UROLOGY (CBL)** | **COMMUNITY MEDICINE (LGIS)** | **CLINICAL CLERKSHIP of community medicine attached as annexures at the end of document Community oriented clerkship and other rotations will remain same. These will be completed at end of yr.** |
| **Benign Prostatic Hyperplasia.** | **Zoonotic Diseases Classification, Epidemiology Of Viral****Zoonotic Diseases Rabies** |
| **Odd /Lec hall 1** | **Even/lec hall 2** | **Odd /Lec hall 1** | **Even/lec hall 2** |
| Dr. Zeeshan Qadeer( associate Professor) | Dr. Faraz Basharat (Sr. registrar) | Dr Narjis Zaidi | Dr Imrana Saeed |
| **Tuesday****14-10-25** | **UROLOGY (LGIS)** | **COMMUNITY MEDICINE (LGIS)** |
| **Carcinoma Prostate** | **Epidemiology Of Viral Zoonotic Diseases, Chikungunya, Japanese Encephalitis** |
| **Even/lec hall 2** | **Odd /Lec hall 1** | **Even/lec hall 2** | **Odd /Lec hall 1** |
| Dr. Zein El Amir (Professor) | Dr Faraz(sr. registrar) | Dr Narjis Zaidi | Dr Imrana Saeed |
| **Wednesday****15-10-25** | **UROLOGY (LGIS)** | **COMMUNITY MEDICINE (LGIS)** |
| **Renal Cell Carcinoma.** | **Epidemiology Of Bacterial Zoonotic Plague ,Brucellosis** |
| **Even/lec hall 2** | **Odd /Lec hall 1** | **Even/lec hall 2** | **Odd /Lec hall 1** |
| Dr Zain el Amir ( prof) | Dr M. Ali (sr. registrar) | Dr Abdul Quddus | Dr Asif |
| **Thursday****16-10-25** | **UROLOGY (LGIS)** | **COMMUNITY MEDICINE (LGIS)** |
| **Bladder Tumors.** | **Epidemiology Of Bacterial Zoonotic Tetanus, Anthrax** |
| **Even/lec hall 2** | **Odd /Lec hall 1** | **Even/lec hall 2** | **Odd /Lec hall 1** |
| Dr. Zeeshan Qadeer (Associateprofessor) | Dr Rameez Ahmed(sr. registrar) | Dr Abdul Quddus | Dr Asif |
| **Friday****17-10-25** | **08:00AM – 09:45AM** | **09:45AM – 10:30** | **10:30AM – 11:15AM** | **11:15AM – 12:00PM** |  |
| **Community medicine****SGD / skill lab** | **PATHOLOGY (SGD3)** | **NEPHROLOGY (LGIS)** | **PATHOLOGY** |

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|  | genetics | **Renal Tumors** | **Renal Tumors** | **Revision class/SDL** |  |
| **Cpc hall** |  | **Even hall 4** | **Even hall 5,6/forensic lab** | **Even hall 4** | **Odd hall 5** | **Even hall 4** | **Odd hall 5** |
| Dr abdul qudoos |  | Dr Kiran Fatima Dr Fatima Tuz Zahra | Dr MehreenDr Shabih Haider | Dr Sana Kifayat(asst prof,BBH) | Dr Asmara Asrar(asst prof,HFH) | Dr Mehreen | Dr Shabih Haider |
| **Saturday****18-10-25** **SEMINAR** | **08:00AM – 09:45AM** | **09:45AM – 10:30** | **10:30AM – 11:15AM** | **11:15A M –****11:45A** | **11:45AM – 12:30PM** | **12:30PM –****01:15PM** | **01:15PM – 02:00PM** |
| **Pathology CPC hall** | **PATHOLOGY- CBL** | **NEPHROLOGY (SDG)** | **PHARMACOLOGY (SGD)** | **PAEDIATRICS (LGIS)** | **UROLOGY(LGIS)** |

**12:00pm - 02:00pm**

**09:00am – 10:00am**

**8:00 AM – 9:00 AM**

**DATE / DAY**

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| **Saturday****18-10-25****SEMINAR** | **/Renal Cell Carcinoma And Transitional Cell Carcinoma** | **UTI** | **Urinary Tract Infections** | **11:15A M –****11:45A** | **Drugs Used To Treat Urinary Tract Infection** | **Urinary Tract Infections** | **Urinary Tract Infections.** |
| **Whole class** | **Hall 3,4** | **Hall 5,6** | **Even hall 4** | **Even hall 5** | **Even hall 3,4** | **Odd hall 5,6/forensic lab** | **Even hall 4** | **Odd hali 5** | **Even hall 4** | **Odd hall 5** |
|  |  |
| Dr Iqbal Haider) | Dr syeda Aisha Dr Faiza Zafar | Dr Mahjabeen Dr Nida Fatima | Dr Sana Kifayat (asst prof,BBH) | Dr Asmara Asrar(asst prof,HFH) | **Drarsheen Dr uzma****Dr zoefishan** | **Dr memuna Dr aisha Dr saba****Dr zaheer** | Dr sumbal ghazi | Dr nadia mumtaz | **Dr. M.****Ameen (sr. registrar** | Dr.M. Ali (sr. registrar |

**Week 4**

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| **DATE / DAY** | **8:00 AM – 9:00 AM** | **09:00am – 10:00am** |  | **10:30am – 12:00pm** | **12:00pm – 2:00pm** |
| **Monday****20-10-25** | **COMMUNITY MEDICINE (LGIS)** | **PATHOLOGY (SDG4)** |  |  |
| **BIOETHICS Duties of ERB Medical** | **Renal Cystic Diseases** |
| Even/lec hall 2 | Odd/lec hall 1 | Even/lec hall 2 | Odd/lec hall 1 |
| Dr. Sana Bilal Assoc P | Dr. Khola NoreenAssoc. P | Dr Mudassira Dr KiranFatima | Dr Shabih HaiderDr Mehreel |
| **Tuesday****21-10-25** | **NEPHROLOGY****(LGIS)** | **PHARMACOLOGY (CBL)** |
| **BIOETHICS****ethical issues in renal transplant** | **Role Of Diuratics In Pulmonary Edema** |
| **odd/lec hall1** | **Even Even/lec hall 2** | **Even/lec hall 2****Drarsheen Dr uzma****Dr zoefishan** | **Odd/lec hall 1****Dr memuna Dr aisha Dr saba Dr zaheer** |
| **Dr nouman butt** | **Dr Sana kifayat)** |
| **Wednesday****22-10-25** | **UROLOGY (LGIS)** | **COMMUNITY MEDICINE (LGIS)** |
| **Upper Urinary Tract Congenital Anomalies** | **Prevention of snake bite** |
| **Even/lec hall 2****Dr. Zein el Amir (Prof)** | **Odd/lec hall 1****Dr. M.****Ameen (sr. registrar)** | **Even/lec hall 2****Dr Sana** | **Odd/lec hall 1****Dr Imrana** |

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| **Thursday****23-10-25** | **Module exam** |  |  |

**Distribution of Teaching Hours of Disciplines**

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| **Sr. No.** | **Disciplines** | **LGIS** | **SGD** | **CBL** | **SDL** | **Hours** |
| 1. | Pharmacology | 4 | 01 | 01 | 2 | 8 |
| 2. | Pathology | 04 | 04 | 01 | 04 | 13 |
| 3. | Community Medicine | 11 | 2- | - | 3 | 15 |
| 4. | Surgery | 11 | - | - | - | - |
| 5. | Medicine | 6 | - | - | - | - |
| 6. | Paediatrics | 3 | - | - | - | - |
| 7. | Ethics | 2 | - | - | - | - |
|  | Total hours | 40 | 7 | 02 | 9 | **58** |

**Practical & Clerkship Hours**

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| **Disciplines** | **Practical hours** | **Disciplines** | **Clerkship hours** |
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| Pathology | x4 = 08 hrs | Medicine | x 16= 35 hrs |
| Community Medicine | x4 = 08 hrs | Sub Specialty | x 16 = 35 hrs |

* LGIS (L) \*
* SGD (S) \*\*
* CBL (C) \*\*\*
* SDL (SL) \*\*\*\*

**VENUES FOR ACADEMIC SESSIONS 4th YEAR MBBS**

* + **LARGE GROUP INTERACTIVE SESSIONS (LGIS)**

Odd roll numbers: Lecture Hall 01

Even roll numbers: Lecture Hall 02

* + **SMALL GROUP DISCUSSION (SGD) /CASE BASED LEARNING (CBL)**

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| Lecture Hall 01 |
| Lecture Hall 02 |
| Lecture Hall 04 |
| Lecture Hall 05 |

In case of non availability of these venues due to 4th Year Prof CPC will be used for two batches

The batch distribution & venues for whole year are fixed with no change except for extra ordinary situations.