



CURRICULUM

POSTGRADUATE COURSES / TRAINING
PROGRAMMES

MD Gastroenterology



Postgraduate Medical Centre, LUMHS, Jamshoro





CURRICULUM

MD Gastroenterology

DEPARTMENT OF GASTROENTEROLOGY
LIAQUAT UNIVERSITY OF MEDICAL & HEALTH
SCIENCES, JAMSHORO



INTRODUCTION

Department of Gastroenterology Liaquat University of Medical and Health Sciences (LUMHS) Jamshoro caters for the Gastroenterology services to the patients of entire Sindh, although its main intake comes from city of Hyderabad and its surrounding rural town. Most of the district hospitals do not have the trained Gastroenterologists to meet the demand of patients suffering from various Gastroenterology ailments, though most of these hospitals don't have facilities of acute Gastro emergency care units, hence it would be timely to train doctors with general medical background in the specialty of clinical Gastroenterology.

Apart from undergraduate teaching, currently department of Gastroenterology is also involved in Post Graduate teaching. The department of Gastroenterology provides training to post graduate courses of FCPS (Gastroenterology) offered by the College of Physician Surgeons Pakistan. Whereas, the aim of the postgraduate course leading of the master's degree of MD Gastroenterology is to introduce the medical graduate to more advance areas of Clinical and investigative Gastroenterology and medical Research. The course aims to illustrate the students, principles of medical research in the theoretical and practical manners through an structured program and the completion of a research project. Finally we aim to foster an interest in the conduct of research throughout a medical career and the ability to critically evaluate research work in general.

The clinical services have a distinguished history of providing care to acute and seriously ill Gastroenterology patient populations as well as tertiary level care. The goals of the department's educational programs are to attract the most outstanding trainees, enforce rigorous standard of



achievement to develop a learning environment and individualized program of study that help trainees reach their full potential, and to create an exemplary mixture of professionalism, service and integrity.

VISION OF LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO:

Liaquat University of Medical & Health Sciences seeks to be a top-tier healthcare institution, producing ingenious academic leaders, medical researchers, and healthcare advocates to serve global community.

MISSION OF LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO:

To establish a benchmark in healthcare education, enriching skilled professionals with ethical integrity while fostering social responsibility. Through collaborative efforts and lifelong learning, we strive to elevate standards in healthcare education and practice, ensuring our graduates positively impact on global communities with compassion and excellence.

MISSION STATEMENT OF MD GASTROENTEROLOGY PROGRAM

The MD Gastroenterology Program at Liaquat University of Medical & Health Sciences aims to set the standard in gastroenterology education, cultivating highly skilled and ethically grounded professionals. Committed to social accountability and lifelong learning, we endeavor to enhance healthcare quality through innovative education and research. Our graduates are prepared to serve their communities with compassion and excellence, positively impacting global health outcomes.



FACULTY OF GASTROENTEROLOGY

Dr. Muhammad Akram Bajwa

MBBS,MD (Gastroenterology)
PHD (Gastroenterology)
Associate Professor
& Incharge Department of Gastroenterology

Dr. Riaz Hussain Awan

MBBS, FCPS (Gastroenterology)
Associate Professor

Dr. Nand Lal Seerani
MBBS, FCPS (Gastroenterology)
Assistant Professor

Dr Khadim Hussain Samejo

MBBS, FCPS (Gastro) Senior Registrar



1. OBJECTIVES

At the end of MD Gastroenterology course the student should be able to:

- 1.1 Recognize the key importance of Gastrointestinal problems in the context of the health priority of the country.
- 1.2 Practice the specialty of Gastroenterology in keeping with the principles of professional ethics.
- 1.3 Identify social, economic, environment, biological and emotional determinants of adult Gastrointestinal medicine and know the preventive, therapeutic and rehabilitative measure to provide holistic care to all patients.
- 1.4 Take a detailed history, perform full physical examination and make a clinical diagnosis.
- 1.5 Plan & deliver comprehensive treatment of illness in adults using principles of rational drug therapy.
- 1.6 Plan & advice measures for the prevention of Gastrointestinal disease.
- 1.7 Plan rehabilitation of Gastrointestinal patients after they recovered from Acute emergency and chronic illness.
- 1.8 Manage Gastrointestinal emergencies efficiently.
- 1.9 Demonstrate skills in documentation of case details, and of morbidity and mortality data relevant to the assigned situation.
- 1.10 Demonstrate communication skill of a high order in explaining management and prognosis, providing counseling and giving health education massages to patients, families and communities.
- 1.11 Develop skills as a self-directed leaner, recognize continuing educational needs: use appropriate learning resources, and critically analyze relevant published literature in order to practice evidence- based Gastroenterology.
- 1.12 Demonstrate competence in basic concepts of research



methodology and epidemiology.

- 1.13 Facilitate learning of medical/ nursing students, practicing physicians, para- medical health workers and other providers as teacher- training.
- 1.14 Play the assigned role in the implementation of national health programs, effectively and responsibly.
- 1.15 Organize and supervisors the desired managerial and leadership skills:
- 1.16 Function as a productive member of a team engaged in health care, research and education.

2. OUTCOME

1.1 To develop competence in the management of Gastrointestinal diseases, problems in indoor and outdoor patients, those referred by family physicians and other doctors and in selecting patients for referral to advance Gastrointestinal disease and liver transplant center

3. <u>LENGTH OF COURSE</u>

The course will be of five years duration, starting from January every year.

4. NUMBER OF CANDIDATES

Two candidates will be admitted every year per supervisor.

5. ELIGIBILTY

- 5.1 MBBS or equivalent qualification recognized by PMC.
- 5.2 One year house job in a recognized institute of which 6 month will be in Medicine and / or Gastroenterology.

6. <u>CRITERIA FOR SELECTION</u>

- 6.1 Candidate will be admitted in MD Gastroenterology course after passing Part I examination conducted by Post Graduate Medical Centre, LUHMS, Jamshoro.
- 6.2 Candidates who have passed MD Medicine, FCPS Medicine



- or an equivalent degree recognized by PMC are exempted from Part I conducted by Post Graduate Medical Center, LUMHS, Jamshoro.
- 6.3 Candidates who have passed FCPS, IMM in Medicine and Allied, Mid- term MD Medicine shall be exempted from Part I conducted by Post Graduate Medical Center, LUMHS, Jamshoro.

7. COURSE AND TRAINI NG

- 7.1 Clinical Training:
 - 7.1.1 The period of training shall be for Five years.
 - 7.1.2 Candidate shall attend 75% of all clinical and or class room activity prescribed for him, else s/ he will not be eligible for final examination.
 - 7.1.3 Enrollment with university after admission within 03 months.
 - 7.1.4 Registration as a research scholar. The postgraduate student is required to choose a topic of research and write a synopsis on the topic within 06 months of admission.

7.2 Rotations:

7.2.1	Gastroenterology WARD	26 MONTHS
7.2.2	Endoscopy Suite	10 MONTHS
7.2.3	ER (Gastroenterology EMERGENCY)	5 MONTHS
7.2.4	OPD	8 MONTHS
7.2.5	GI Radiology	1 MONTHS
7.2.6	GI Histopathology	1 MONTHS
7.2.7	Liver transplant	1 MONTHS
9.2.8	PEDIATRICS GASTROENTEROLOGY	1 MONTHS
7.2.9	General Medicines	3 MONTHS



7.2.10	ICU	1 MONTH
7.2. 11	Cardiology	1 MONTHS
7.2. 12	PULMONOLOGY	1 MONTH
7.2.13	NEPHROLOGY	1 MONTH

7.3 Mandatory Workshops:

The candidate has to attend the following mandatory Workshops:

- 7.3.1 Computer and internet
- 7.3.2 Research methodology and thesis writing
- 7.3.3 Communication Skills
- 7.3.4 Basic Life Support (BLS)
- 7.3.5 Advanced Cardiac Life Support (ACLS)

7.4 Thesis:

The Candidate has to submit and got approved thesis six months before appearing in the MD Part-II Examination.

7.5 Log Book:

The candidates are required to maintain a prescribed log book with entries of academic session, procedures carried out and seminars/symposia attended during the five years tenure duly signed by Supervisor & In-charge. The log book is to be submitted to the examination Department along with MD Part-II examination form.

8. ROLE OF THE SUPERVISOR

The supervisor has to play a pivotal role in training of the candidates by imparting theoretical and practical knowledge to them. The supervisor is a person with post-graduation recognized PMC, HEC and by the LUHMS having a vast experience of teaching and administration.

8.1 The prime role of supervisor is to impart knowledge to the



trainee in order to train him to diagnose and manage the acute and chronic Gastrointestinal problems with responsibility.

- 8.2 He is responsible to provide a conductive atmosphere for trainee learning.
- 8.3 He should help out the trainee at any time of difficulty with open heart.
- 8.4 He should make the trainee capable of interpreting the findings or laboratory investigations and act accordingly.
- 8.5 The supervisor is required to maintain a liaison with Director PG and examination department for uninterrupted training of the candidate.
- 8.6 He is required to inform the authorities regarding any misconduct or irregularity of the candidates in due time.
- 8.7 He is required to ensure that the trainee has completed the training in stipulated time as per requirement of the syllabus.

9. RESPONSIBILITIES OF TRAINEE

Having provided the conductive atmosphere by the university, trainee is required to engage himself in acquiring knowledge and enhance his capabilities in dealing with the patients in the stipulated period.

- 9.1 The trainee should acquire a complete knowledge of the course he is entering in, in order to prepare himself / herself for the future.
- 9.2 The trainee should select his/ her supervisor at his/ her own will.
- 9.3 The trainee should undergo his/ her training with due sense of responsibility and dedication.
- 9.4 The trainee should select a reasonable and applicable topic for thesis in consultation with his supervisor and plan for the research on the approved topic within the time allocated.
- 9.5 The trainee is required to submit his/ her thesis duly singed by the supervisor six months ahead of the examination.



- 9.6 The trainee is required to fulfill all the requirements for appearing in the examination.
- 9.7 He is required to Enroll with university within first two weeks after admission.
- 9.8 Registration as research scholar.

The post graduate student is required to choose a topic of research and write a synopsis on the topic within six months of admission, to be evaluated by the Scrutiny Committee of and then by Advanced Studies &five search Board for final registration.

10. SPECIFIC LEARNING OBJECTIVES

Residents completing MD Gastroenterology training will have firm instruction, clinical experience, and will be able to demonstrate competence in the evaluation and management of adult patients and apply scientific principles for the identification, prevention, treatment rehabilitation of following acute and chronic disorders in Gastroenterology:

• 10.1 Inpatient care

Trainees should be directly involved in the routine care of patients admitted for assessment and treatment.

• 10.2 Gastroenterology consultation

A trainee should provide gastroenterology consultation service for the whole hospital under the supervision of the supervisors to whom they are attached.

• 10.3 Gastroenterology Emergency care.

Trainees should be directly involved in assessment, investigation and management of all type of gastroenterology emergencies referred both from a general hospital or a specialist center (depending on the phase of the program)

The trainee should take part in an on call emergency Rota for General surgery when appropriate .

• 10.4 Gastroenterology Outpatient Clinics.

The trainee will have a regular commitment to Gastro



out-patient. The trainee should participate in Gastroenterology outpatient clinics throughout their training.

• 10.5 Endoscopy

A trainee must have a basic knowledge and principles of all diagnostic and therapeutic endoscopic procedures. At the end of training he/she will be able to perform all diagnostics and most of basic therapeutics endoscopic procedures.

- 10.6 Endoscopic Retrograde Cholangiopancreatography(ERCP)
- The trainee must have basic knowledge and principles of ERCP and at last year hand on will be given on intubation, duodenal positioning, cannulation and Stent removal
- 10.7 Teaching

All trainees will be actively involved in teaching undergraduate nurses, and technicians as appropriate.

• 10.8 GI imaging

All trainees need to be experts in a wide range of GI imaging including interpretation of Ultrasound Abdomen, MRCP, CT scan abdomen and pelvis, MRI scan of abdomen and pelvis, EUS and PET scan.

• 11. DIDACTIC TRAINING

Over the five years of postgraduate training, different didactic include includes:

- 11.1 Weekly grand rounds.
- 11.2 Practice guideline and research presentation.
- 11.3 Core Curriculum Seminar.



- 11.4 Morbidity and Mortality (M & M) meetings.
- 11.5 Journal Club.
- 11.6 Morning Report (Inpatient and Outpatient).

A comprehensive-yearive year didactic core curriculum addresses both inpatient and outpatient Gastrointestinal Patients.

11. GENERAL SKILLS

During ,traipostgraduatest graduate require skills that are irrespective of the specific training post and 'generic' to the doctor. This is an exciting opportunity to build upon skills already established as an undergraduate.

12.1 Generic Skills

12.1.1 History clinical care

History taking, physical examination and medical clerking skills

Time management, risk, management and decision making skills Basic life support

12.1.2 A Maintaining good medical practice

Learning new Evidence and guideline

Communication skills

Within a consultation

Breaking bad news

With colleagues

Complaints

- 12.1.3 Working with Colleagues (team working)
- 12.1.4 Maintaining trust.

Professional behavior

Ethics and legal issues

Patient partnership and health promotion



12.1.5 Teaching & training

These objectives should not restrict lea,rning, they do however, outline the minimum requirements for satisfactory completion of postgraduate clinical training.

12. PRINCIPLE AREAS OF COMPETENCE

- 13.1 Clinical Expertise and Judgment
- 13.1.1.1 Basic Clinical Skills
- 13.1.1.2 The ability to obtain a reliable history and elicit abnormal physical signs.
- 13.1.1.3 The ability to interpret findings and the the result of investigation.
- The ability to perform the defined practical procedure needed for the management of medical emergencies.

13.1.1.5 Clinical Reasonssess

The ability to asses and diagnose complex medical problems, particularly those involving multiple systems and determine their relative priority.

13.1.1.6 Expert Management

- 13.1.3.1 The ability to investigate clinical problems in well-informed, systcost-effective ormed and cost effective way.
- 13.1.3.2 The ability to recognize and manage all major medical emergencies and other acute presentations of illness affecting concurrently one or more organ systems.
- 13.1.3.3 This should include the administration of the nsary immediate care and in an appropriate evidence-based way.
- 13.1.3.4 Expertise in the ongoing care and management of chronic community aspects of the disease.



- 13.1.3.5 The ability to determine the indication for transfer to a specialist unit.
- 13.1.3.6 The ability to manage patieholistically way, considering all psychosocial as well as medical factors improving quality of life.
- 13.1.3.7 The ability to plan and achieve, successful patient discharge from hospital, including knowledge of the various discharge options.
- 13.1.3.8 The ability to determine when the emphasis of treatment should change from the curative to the patients whose prognosis is limited.

13.2 Establishing Effective Doctor *I* Patient Relationship

13.2.1 Communication Skills

- 13.2.1.1 The ability to promote and cooperate and to help patients cope with distressing or other emotions, and the following skills:
- 13.2.1.2 Active listening
- 13.2.1.3 Understanding the need for and enabling the venventilation ings.
- 13.2.1.4 Warmth, support and em, pathy.
- 13.2.1.3 Respect, guidance, partnership.
- 13.2.1.4 The ability to educate and motivate patients towards co-operating with advice and to demonstrate the following skills: elicitation of existing views/ knowledge.
- 13.2.1.5 Offering clear explanatioexplanation suctions checking understant ounderstanding.
- 13.2.1.6 Problem using positive attribution and praise.



- 13.2.1.7 The ability to deal with special situations e.g. breaking bad news to patients and related other sensitive issues; preparation for life threlife-threateninges.
- 13.2.1.8 Obtaining informed consent; conducting family conferenceonferencesng with complaint,s etc.

13.2.2 Ethical Principles

The observation of clear ethical principles such as dignity of patients, their right to privacy and confidentiality, their right to the best possible care, their right of giving autonomy and informed consent, their right to decline treatment or to take part in teaching or research.

13.3 Leadership and Personal Management Skills

13.3.1 Personal Achievement

- 13.3.1.1 The ability to exercise independent judgment and clinical self-confidence. The ability to be self directed and to achieve objectives. The ability to have high internal standards and a desire to improve. The ability to maintain effective work performance under pressure when appropriate and to cope with one's own emotions.
- 13.3.1.2 The ability to accept and act on constructive criticism.

13.3.1.3 Interpersonal Skills

- 13.3.1.4 The ability to initiate, build and maintain good relationships, both one to one and in groups.
- 13.3.1.5 The ability to lead by example.
- 13.3.1.6 The ability to put oneself in the place of another and correctly interpret their concerns and feelings.



- 13.3.2.4 The ability to calculate in advance the likely effect of ones words or actions on an individual or group in order to bring about a desired effect.
- 13.3.2.5 The ability to time ones actions or interventions in order to maximize their effectiveness.

13.3.2 Managing Others

- 15.3.3.1 The ability to get others to work effectively by planning and delegating work.
- 15.3.3.2 The ability to coach and supervise others and give clear feedback about performance, good or bad.

13.4 Organization, Planning and Service Management Skills

- 13.4.1 The ability to conduct and administer a general medical service, including seeing patient referrals, dictating letters, summaries and reports etc.
- The ability to liaise and work effectively with professional colleagues' particularly general practitioners and members of the multidisciplinary team.
- 13.4.3 The ability to participate in committee work concerned with planning and organizing services.
- 13.4.4 The ability to supervise and work with medical & allied staff.
- 13.4.5 The ability to develop a strategic view & health service management system.

13.5 Education and Mentoring Skills

13.5.1 Being a Role Model

The ability to set an example of good practice and be respected as a Physician.

13.5.2 Educational Supervision



		13.5.2.1	The ability to motivate, demonstrate and explain particularly the reason for clinical decisions.
		13.5.2.2	The ability to build relationships with trainees.
		13.5.2.3	The ability to use appropriate teaching methods and styles.
		13.5.2.4	The ability to assess the performance of trainees.
13.6	Quality Sta	ndard, Effect	iveness, Research and Development Skills
	13.6.1	The ability to plan and conduct clinical audit studies of aspects of the G(I) M service in order to improve service quality.	
	13.6.2	The ability to present the results of audit or research to both small and large audience.	
	13.6.3	The ability to evaluate research publications to assess their importance.	
	13.6.4	A Secondary I	to reflect on clinical practice and plan ational needs.
	13.6.5	To maintain an expert knowledge of the diagnosis and treatment of a broad range of common acute disorders through systematic continuing professional development.	
	J.	الناسِ	الم ومنال الاشتال خالم



14. COMPETENCE AT THE END OF TRAINING

At the completion of training the post graduate will have to demonstrate his/ her competence in all the above listed abilities to the satisfaction of their supervisor. In particularly he should be able to demonstrate,

- 14.1 The ability to diagnose, investigate and manage the patients independently and care for patients irrespective of the nature of the patients problems.
- 14.2 The ability to select the patients who require care of other specialists.
- 14.3 The breadth of clinical experience and competence in the management of the full spectrum to acute emergencies especially Gastrointestinal emergencies.
- 14.4 The ability to demonstrate the knowledge, skills and attitudes contained in the syllabus.
- 14.5 The ability to perform the specified list of practical procedures.

PARTIAL LIST OF SUGGESTED READING

15.1	Books	1 8
R	15.1.1	Sleisenger and Fordtran's Gastrointestinal and liver diseases
	15.1.2	CURRENT Diagnosis & Treatment Gastroenterology, Hepatology, & Endoscopy
A	15.1.3	Sherlock's Diseases of the Liver and Biliary System
15.2	Journals	
	15.2.1	The American journal of Gastroenterology
	15.2.2	Journal of Herpetology
	15.2.3	The European Association for the Study of the Liver Diseases (EASL)



- 15.2.4 The American Association for the Study of the Liver Diseases (AASLD)
- 15.2.5 The British Society of Gastroenterology (BSG)

16. THESIS AND PUBLICATION

- 16.1 Candidate shall present thesis for MD Gastroenterology. Every candidate shall get his subject of thesis as well as supervisor approved by the advance board of studies six months before the date of final examination and shall forward the thesis to the registrar of university at least 04 months before the final date of the commencement of examination accompanied by the prescribed fees and certificate from the supervisor that the work is being undertaken under his supervision.
- 16.2 The thesis shall embody the result of candidate's own research or experience and be accompanied by precise reference to publication quoted. In the thesis the candidate shall indicate on what respect his contribution appears to him to advance the knowledge or practice of medicine. The thesis must attain to high standard and be satisfactory as regards, literacy, presentation, as well as in other respects. The thesis must be typed on a paper 11 by 8.5" with a margin of 11/2" each side. Only one side paper is to be typed. It shall be bound in cloth with the name and title on cover and should end with a summary embodying conclusion arrived at by the author.
- 16.3 The thesis if accepted shall be the property of Liaquat University of Medical and Health Sciences Jamshoro with all copyright. It shall not be published by author without permission from the university and the Professor of Gastroenterology. The thesis will be kept in library of Liaquat University of Medical and Health Sciences Jamshoro.



16.4 The thesis shall be examined by three examiners, one internal (not the supervisor) two external recommended by the board of studies, who shall report whether the thesis is accepted or rejected. If the thesis is approved at least by two examiners, the candidate shall be allowed to appear in the part II examination provided other eligibility criteria are full filled.

17. EXAMINATION

Candidate has to pass Intermediate Assessment Examination (IAE) after completion of two years training before appearing in part-II examination of MD Gastroenterology.

17.1 Method of Intermediate Assessment Examination (IAE)

	S.#	TYPE OF QUESTIONS	TOTAL NUMBER OF QUESTIONS	TOTAL MARKS
17.1.1	Ι	SINGLE BEST QUESTION (SBQ)	50 50	50
17.1.2	II	SHORT ESSAY QUESTION (SEQ)	10	100
17.1.3	III	BED SIDE ASSESSMENT OF CLINICAL SKILLS	LONG CASE 1	50
17.1.4	R		SHORT CASE 2	50
17.1.5		الله في الناس	OSPE (OBJECTIVE STRUCTED PRACTICAL EXAMINATION) / CVS	50

17.2 Part II Examination

The candidate is eligible to appear in the final examination after fulfilling the following criteria:

17.2.1 Completion of full tenure of course with at least 75% attendance.



- 17.2.2 Submission and approval of thesis.
- 17.2.3 Satisfactory report from the supervisor.
- 17.2.4 Evidence of mandatory workshops attended.
- 17.2.5 Completed log book duly signed by supervisor.
- 17.2.6 Must have passed intermediate Assessment Examination (IAE).

17.3 Part-II Theory Examination

	PAPER #	CONTENT	NO: OF QUESTIONS	MARKS
17.3.1	PAPER I	MCQs	75	100
17.3.2	PAPER II	SHORT ESSAY QUESTIONS (SEQ)	10	100
17.3.3	PAPER III	LONG ESSAY QUESTIONS (LEQ)	04	100

17.4 Table of Specifications (TOS)

	Topics	MCQs	Short Essay	Long Essay
17.4.1	Esophagus	07		201
17.4.2	Acid peptic is orders of the gastrointestinal tract	04		
17.4.3	Motor disorders of the gastrointestinal tract	03	10 questions allowed for	04 questions allowed for
17.4.4	Other Stomach Conditions	02	entire course as per examiner's	entire course as per examiner's
17.4.5	Irritable bowel syndrome and Functional Gi disorders	01	choice	choice
17.4.6	Inflammatory bowel	03		



	diseases (I BD)	
	discuses (1 DD)	
17.4.7	Other Colonic Disease	05
17.4.8	Other small bowel and colonic diseases	01
17.4.9	Solitary Rectal Ulcer Syndrome	01
17.4.10	Vascular disorders of the gastrointestinal tract	01
17.4.11	Gastrointestinal infections	01
17.4.12	Gastrointestinal neoplastic disease Tumorbiology	01
17.4.13	Hepatology	ED12A
17.4.14	Pancreatic Diseases	04
17.4.15	Biliary Diseases	04
17.4.16	Pediatric Gastroenterology	02
17.4.17	Geriatric gastroenterology	01
17.4.18	Gastrointestinal bleeding	01
17.4.19	Genetic/ inherited disorders	01
17.4.20	Advance Endoscopic Technique	01
17.4.21	Anal canal diseases/ disorder	01

Department of Gastroenterology Liaquat University of Medical & Health Sciences, Jamshoro



17.4.22	Other Topics	01	
17.4.23	Advanced Imaging Techniques in GI / Liver	02	
17.4.24	Nutrition	02	
17.4.25	Techniques used in the basic investigation of gas trointestinaleancer	01	
17.4.26	Professional Skills	01	
17.4.27	Procedural and Technical Skills	01	
17.4.28	Endoscopic procedures	03	
17.4.29	Liver transplant	02	

17.5 Objective Structured Practical/Clinical Examination (OSPE/OSCE) & Bedside Assessment of Clinical Skills:

Eligibility

The candidate will be eligible it he qualifies the theory of Part-II with at least 60% marks in each paper.

The Clinical examination will consist of the following:

17.5.1	One long case (Gastroenterology) marks	100
17.5.2	Four Short cases (Gastroenterology) marks (25 marks each)	100
17.5.3	OSCE	



Outcomes

DOMAIN	LEARNING OUTCOME	WEIGHTAGE	ASSESSMENT
	Identify common sign and symptoms of GI diseases	20%	MCQ
Knowledge	Explain pathophysiology of CA esophagus based on histopathology	20%	SEQs
	Describe various diagnostic method for peptic ulcer disease	10%	SEQs
Skills	Presenting examination technique on patient pleurisy with distension of abdomen	20%	OSCE
Onno	Perform accurate steps diagnostic endoscopy on a mannequin	15%	OSCE
Affective	Demonstrate empathy and effective communication with IBD patients	15%	Role Pray
	Effectively counsel patient with CA pancreas about prognosis professionalism & Ethics	10%	Role Pray

Step 2: Determine the Weightage for Each Domain

Domain	Weightage %
Knowledge	40%
Skills	40%
Affective	20%

Department of Gastroenterology Liaquat University of Medical & Health Sciences, Jamshoro



50 Stations: 100 Marks

	STATIONS	QUANTITY
19.5.1 .3.1	Endoscopic Images	09
19.5.1.3.2	ERCP Cholangiogram/EUS	08
19.5.1.3.3	MRCP	04
19.5.1.3.4	Barium X rays	06
19.5.1 .3.5	CT scan image	02
19.5.1.3.6	MRI Image	02
19.5.1 .3.7	Endoscopy instrument	12
19.5.1.3.8	PET scan's	01
19.5.1.3.9	Acute gastro Emergency	02
19.5.1.3.10	Chronic disease	02
19.5.1.3.11	Recent gastroenterology dugs	01
19.5.1.3.12	GI Disease and pregnancy	01

17.6 Subsequent Examination:

The candidate who has passed theory of MD Gastroenterology Part-II Examination.

If the candidate fails three consecutive attempts he shall have to repeat theory examination of Part-II.

He shall be eligible to take two further attempts of OSCE consecutively.