ELECTIVE NEUROLOGY

Name of the block	Block B
Name of the elective	Neurology
Location	Medical college hospital
Name of the internal preceptor	Dr Shazia Umar
Name of the external preceptor	
Learning objectives of the elective	1. Diagnosis of Neuropathic, Stroke Movement disorders and epilepsy patients on the base of history and clinical examination. 2. Rehabilitation of stroke patients. 3. Optimization treatment of epilepsy patients. 4. Initiate students in Neurodiagnostic evolution.
Number of the student	2
List of activities of student participation	1. Participate in OPD. 2. Participate in teaching sessions in department. 3. Present two fully worked up case in teaching session. 4. At the end of posting students should be able to understand how to recognize and approach patient with above disorders and diagnosis approach and treatment.
Learning resources	1.Harrison's principle of internal medicine 2.Bradly & Daroffess Neurology and clinical practice
Portfolio entries required	Documentation of worked up cases in log book. Feedback from preceptor.
Log book entry required	Completion of posting signed by preceptor.
Assessment	Participation in evaluation of patients. Case presentation. Attendance.
Other comments	

ELECTIVE Gastroenterology

Name of the block	Block B
Name of the elective	Gastroenterology (upper gastrointestinal bleeding)
Location	Medical college hospital
Name of the internal preceptor	Dr Bilal Wani
Name of the external preceptor	
Learning objectives of the elective	5. To diagnosis patients with upper GI bleeding on the basis of history and examination 6. To diagnose and find etiology on the basis of endoscopy. 7. Management of upper GI bleeding. 8. Introduce students to endoscopy lab.
Number of the student	2
Prerequisites for elective	Endoscopy lab
List of activities of student participation	5. Participate in OPD& IPD patients 6. Participate in teaching sessions in department. 7. Present two fully worked up case in teaching session.
Learning resources	Harrison's principle of internal medicine. Sleisenger and Fodtran"s Gastrointestinal and liver desease
Portfolio entries required	Documentation of worked up cases in log book. Feedback from preceptor.
Log book entry required	Completion of posting signed by preceptor.
Assessment	Participation in evaluation of patients. Case presentation. Attendance.
Other comments	

HAMDARD INSTITUTE OF MEDICAL SCIENCES & RESEARCH

DEPARTMENT OF MEDICINE

Name of Block	Block 2
Name of Elective	Obesity-assessment and management
Location of hospital Lab or research facility	Department of Medicine, HIMSR
Name of internal preceptor(s)	Dr. Afreen Khan
Name of external preceptor if applicable	
Learning objectives of elective	1. To diagnose and assess patients with obesity 2. To evaluate for obesity-associated comorbid conditions 3. To counsel patients about lifestyle modifications in obesity appropriately 4. To assess need for pharmacological therapy in obesity
Number of students that can be accommodated in this elective	02
Prerequisites for elective	Must have received necessary immunisations, Basic Life Support training
List of activities of student participation	1. Participate in OP and IP rounds 2. Participate in afternoon teaching sessions of the department 3. Present at least one case in the teaching session 4. Participate in patient education and multidisciplinary team meetings
Learning Resources	Harrison's Principles of Internal Medicine Davidson's Principles and Practice of Medicine
Portfolio entries required	**Assignments provided** One worked up case record that has been presented Documentation of self-directed learning as summary and reflection
Log book entry required	Satisfactory completion of posting by a preceptor with a "meets expectation 'M' grade"

Assessment	Attendance **Formative:** Participation in OP & IP rounds and team activities, Presentation of worked up cases, Documentation of attendance and required portfolio and log book entries
Other comments	

Week	Activities
Week 1 Day 1 Day 2 Day 3 Day 4 Day 5	**To diagnose and assess patients with obesity** Estimation of BMI Diagnosis of degree of obesity Difference in Asian standards for obesity Obesity focused history taking Physical examination of the obese patient **To evaluate for obesity-associated comorbid conditions** Evaluation of comorbid conditions based on symptoms, risk factors and index of suspicion
Week 2 Day 1 Day 2 Day 3 Day 4 Day 5	**To counsel patients about lifestyle modifications in obesity appropriately** Assessment of the patient's readiness to change Lifestyle management in obesity • Diet therapy • Physical activity therapy • Behavior therapy **To assess need for pharmacological therapy** Indications for anti-obesity drugs Drugs approved for weight loss

Hamdard Institute of Medical Sciences and Research
Department of Medicine

Name of Elective : Renal Replacement HAHC Hospital, HIMSR

Name of the Faculty : HAHC Hospital Dialysis Unit

Name of the Supervisor : Dr. Mohd. Ashraf Khan

Learning Activity : Daily round on patients on hemodialysis

a) See wide range of renal and electrolyte disorders in patients with AKI or CKD
b) Exposure to Hemodialysis unit
c) Participate in patients education
d) Prepare at least 2 cases

Learning Objective : At the end of posting students should be able to

(a) Know indications & criteria for renal replacement therapy
(b) Type of renal replacement therapy
(c) Principals of hemodialysis & peritoneal dialysis
(d) Complications of hemodialysis

Number of students : 2 (Three)

Duration : 2 weeks

Learning Resources : Harrison text book of Medicine Brenner & Rector's text book of nephrology

List of activities

i. Daily rounds of all patients with CKD
ii. See wide range of renal & electrolyte disorders in patients admitted with acute or chronic renal failure
iii. Exposure to Hemodialysis unit/ ward
iv. Know types of renal replacement therapy
v. Criteria/ indications for hemodialysis
vi. Complications during dialysis

Assessment : : Attendance

: Log book entries

: Dialysis rounds

Hamdard Institute of Medical Sciences and Research
Department of Medicine

Name of Elective	: Care of patients on mechanical ventilation
	: HAHC Hospital, HIMSR
Name of the Supervisor	: Dr. Arvind Kumar
Learning Objective	: Understand the indications, contraindications, and complications of mechanical ventilation.
	Develop skills in setting up, managing, and weaning patients from mechanical ventilation.
	Appreciate the importance of multidisciplinary teams in caring for mechanically ventilated patients.
	Familiarize yourself with current guidelines and best practices for mechanical ventilation.
Number of students	: 5
Duration	: 2 weeks

Clinical Experience	Intensive Care Unit (ICU) rotations: Participate in ICU rounds to manage mechanically ventilated patients.
	Mechanical ventilation management: Assist in setting up, adjusting, and troubleshooting mechanical ventilation systems.
	Patient assessment: Develop skills in assessing patients' respiratory status, including interpreting arterial blood gases (ABGs) and chest radiographs.
	Multidisciplinary team meetings: Attend meetings to understand the role of different healthcare professionals in caring for mechanically ventilated patients.
Topics to Cover	Indications for mechanical ventilation: Respiratory failure, cardiac arrest, neurosurgical procedures.

Modes of mechanical ventilation: Assist-control (AC), synchronized intermittent mandatory ventilation (SIMV), pressure support ventilation (PSV).

Ventilator settings: Tidal volume, respiratory rate, inspiratory pressure, positive end-expiratory pressure (PEEP).

Complications of mechanical ventilation: Ventilator-associated pneumonia (VAP), barotrauma, volutrauma.

Weaning from mechanical ventilation: Criteria for weaning, weaning protocols, non-invasive ventilation.

Learning Resources : Textbooks: "Mechanical Ventilation" by Martin J. Tobin, "Principles of Critical Care" by Hall, Schmidt, Wood.

Online resources: American Thoracic Society (ATS) website, Society of Critical Care Medicine (SCCM) website.

Journals: "American Journal of Respiratory and Critical Care Medicine", "Critical Care Medicine", "Intensive Care Medicine".

Assessment : : Attendance

: Log book entries

: Dialysis rounds

Hamdard Institute of Medical Sciences and Research
Department of Medicine

Name of Elective	: Diabetes and its complications HAHC Hospital, HIMSR
Name of the Supervisor	: Dr. Luqman Hafeez
Learning Objective	Understand the pathophysiology and clinical presentation of diabetes-related complications. Develop skills in diagnosing and managing diabetes-related complications. Appreciate the importance of multidisciplinary teams in managing diabetes-related complications. Familiarize yourself with current guidelines and treatment options for diabetes-related complications.
Clinical Experience	1. Outpatient clinics: Attend diabetes clinics to observe and assist in patient consultations. 2.Ward rounds: Participate in ward rounds to manage hospitalized patients with diabetes-related complications. 3. Multidisciplinary team meetings: Attend meetings to understand the role of different healthcare professionals in managing diabetes-related complications**.**
Topics to Cover	1. Diabetic retinopathy: Pathophysiology, diagnosis, treatment options, and management strategies. 2. Diabetic nephropathy: Pathophysiology, diagnosis, treatment options, and management strategies. 3. Diabetic neuropathy: Pathophysiology, diagnosis, treatment options, and management strategies. 4. Diabetic foot: Pathophysiology, diagnosis, treatment options, and management strategies.

5. Cardiovascular disease in diabetes: Pathophysiology, diagnosis, treatment options, and management strategies.

Learning Resources : Textbooks: "Joslin's Diabetes Mellitus" by C. Ronald Kahn, "Diabetes Mellitus: A Fundamental and Clinical Text" by Derek LeRoith.

Online resources: American Diabetes Association (ADA) website, International Diabetes Federation (IDF) website.

Journals: "Diabetes Care", "Diabetologia", "Journal of Clinical Endocrinology and Metabolism".

Assessment : : Attendance

: Log book entries

: Dialysis rounds