



# MERCK FOUNDATION CORONA VIRUS RESPONSE PROGRAM

## Postgraduate Diploma in Acute Medicine

The aim of the course is to enhance existing skills of healthcare professionals and to have a comprehensive overview of applicable guidelines and procedures in the field of Acute Medicine which can be implemented in managing complex issues in patient management, which directly benefits patient care.

### This program specifically focuses on the following topics:

- Respiratory and Cardiovascular Emergencies
- Diabetes and Endocrine Emergencies
- Gastroenterological Emergencies
- Acute Presentations with Infection and Sepsis
- Acute Neurological Disorders and Stroke
- Acute Renal, Metabolic and Toxicological Emergencies



### Postgraduate Diploma in Acute Medicine, University from UK

<b>Duration</b>	1 - year online learning platform
<b>Eligibility</b>	<ul style="list-style-type: none"><li>• Bachelor's degree in Medicine and Surgery (Primary Medical Qualification) (e.g.: MBBS or MBChB)</li><li>• Candidates working within a public sector clinical setting</li><li>• Recommendation from the Ministry of Health or Office of The First Lady</li><li>• Proof of English language proficiency</li><li>• Accessibility to stable internet connection</li></ul>



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## Course Structure

The online course lasts one calendar year and is a part time distance learning course. It consists of 6 modules per year, each of 6 weeks duration.

### Module 1 - Respiratory and Cardiovascular Emergencies

#### Aims of the module:

- To be able to use relevant understanding, methodologies and approaches to address complex cases & to apply guideline and evidence-based care in the management of acutely ill patients with cardio-respiratory conditions.

#### Synopsis of the module content:

- Guideline directed approach to the management of patients with acute cardio-respiratory diseases including
  - Severe hypertension, acute heart failure, acute coronary syndrome, arrhythmias, thromboembolic disease, acute exacerbations of chronic respiratory disease, pneumonia, pneumothorax, pleural effusions, acute asthma, respiratory failure & cardiac arrest.

### Module 2 - Diabetes and Endocrine Emergencies

#### Aims of the module:

- To enhance the management of complex cases presenting with a variety of acute diabetic and endocrine conditions & apply guideline and evidence-based care in the management of acutely ill patients.

#### Synopsis of the module content:

- This module includes management of patients presenting with various acute diabetic and endocrine diseases like:
  - Diabetic ketoacidosis, hypoglycemia, hyperosmolar non-ketosis, acute hypercalcemia, thyrotoxicosis, hypocalcemia, adrenal crisis.



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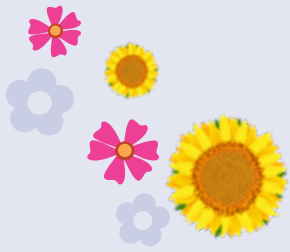
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### **Module 3 - Gastroenterological Emergencies**

#### **Aims of the module:**

- To manage effectively acutely ill patients presenting with gastrointestinal conditions.

#### **Synopsis of the module content:**

Effectively management of patients presenting with acute gastrointestinal (GI) illnesses like:

- Upper GI hemorrhage, acute abdominal pain, Intractable vomiting, Inflammatory bowel disease, acute liver disease, hepatic encephalopathy, cirrhosis, GI infections (such as dysentery and gastroenteritis) & GI malignancy.

### **Module 4 - Acute Presentations with Infection and Sepsis**

#### **Aims of the module:**

- Aim of this module is to teach how to apply guideline and evidence-based care in the management of acutely ill patients & to facilitate the critical evaluation of actions, methods and results used in the management of acute infections

#### **Synopsis of the module content:**

- Management, investigation & diagnosis of patients presenting with acute bacterial, viral and fungal infection relating to all organ systems, patient's sepsis, bacteremia & immune-compromised individual in relation to infection.

### **Module 5 - Acute Neurological Disorders and Stroke**

#### **Aims of the module:**

- To develop vital understanding for the assessment and management of acute neurological disorders and strokes

#### **Synopsis of the module content:**

Diagnosis & management of patients with acute neurological disorders like:

- Acute stroke, epilepsy, cerebral infections, cerebral haemorrhage, haematomas & venous sinus thrombosis, acute cerebral malignancy, dystonias, ataxias & acute neuropathies and neuropathies and raised intracranial pressure.



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## Module 6 - Acute Renal, Metabolic and Toxicological Emergencies

### Aims of the module:

- To develop relevant understanding of evaluation of acute kidney, metabolic and toxicological disorders

### Management of toxicological emergencies like:

- Overdoses (both accidental and non-accidental), acute drug reactions and anaphylaxis, patients with metabolic and renal issues, including acute kidney injury, acid-base disorders, hyperkalemia and acute hyponatraemia, Implementation of renal replacement therapy including dialysis.

## Assessment

Assessments are done using clinical scenarios to enhance problem-solving, critical analysis and evidence-based care. Each of the 6 modules has the same assessment format. Due to the online nature of the course, students are expected to login and participate in the course regularly throughout the module.

- Academic Forum - 40%
- Individual learning portfolio - 10%
- Group/individual Assignments - 20%
- Case based examination - 30%



## Eligibility Criteria

- Bachelor's degree in Medicine and Surgery (Primary Medical Qualification) (e.g.: MBBS or MBChB)
- Candidates working within a public sector clinical setting
- Recommendation from the Ministry of Health or Office of The First Lady
- Proof of English language proficiency
- Accessibility to stable internet connection

### Applicants should submit copies of the following with their application:

- A copy of your updated CV including your address and date of birth
- Copy of qualification certificates
- One written reference
- English language qualification



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