MERCK FOUNDATION CAPACITY ADVANCEMENT PROGRAM

Postgraduate Diploma in Gastroenterology

This theoretical course is intended to help students develop a better understanding of common gastroenterology disorders that they can experience in the community, as well as to improve their diagnostic and management skills.

The aim of the course is:

- To enable students to formulate professional decisions in a variety of diverse and dynamic contexts, integrating an evidence-based justification.
- To enable students to have a comprehensive understanding of dermatology in clinical practice and will be trained to work in and lead the implementation and development of related treatment.
- To demonstrate evaluation skills in the delivery of care to patients

Postgraduate Diploma in Gastroenterology, University from UK	
Duration	1 - year online learning platform



Eligibility:

- Bachelor's degree in Medicine and Surgery (Primary Medical Qualification) (e.g.: MBBS or MBChB)
- Candidates working within a public sector clinical setting (Preferably) with the aim to continue working in the public sector after graduation, in order to improve patient access to quality and equitable healthcare solutions
- Recommendation from the Ministry of Health or Office of The First Lady
  (For Asian Countries- Recommendation letter from The Ministry of Health or Vice Chancellor/Dean/Rector of the Medical University or President of respective Society or Medical Association)
- Proof of English language proficiency
- Accessibility to stable Internet connection

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 - Oesophagus

Aims of the module:

- To obtain a detailed understanding of the oesophagus' anatomy, physiology, and diseases.

Synopsis of the module content

- Oesophagus: anatomy and physiology, diagnostic test.
- Oesophagus and Barrett's Oesophagus, Vomiting.
- Oesophageal dysmotility, Cancer.

At the end of the module students will be able to critically apply anatomical and physiological functions of the oesophagus to a variety of oesophageal diseases.

Module 2 - Stomach

Aims of the module:

- To develop understanding of anatomy, physiology and diseases of the stomach.

Synopsis of the module content

- Stomach: anatomy and physiology, Gastroscopy
- Peptic ulcer disease, Helicobacter pylori
- Gastric cancer
- Pernicious Anemia

- At the end of the module students will be able to critically apply anatomical and physiological functions of the stomach to a variety of diseases affecting the stomach

Module 3 - Pancreas

Aim of the module:

- To develop understanding of the anatomy, physiology and diseases of the Pancreas

Synopsis of the module content

- Anatomy and physiology of Pancreas
- Pancreatic function tests
- Pancreatic insufficiency
- Acute Pancreatitis
- Chronic Pancreatitis
    - Pancreatic Cysts
- Pancreatic cancer
    - Neuroendocrine Tumours

- At the end of the module students will be able to critically apply anatomical and physiological functions of the pancreas to a variety of diseases affecting the pancreas.





Module 4 - Liver

Aims of the module:

- To develop understanding of the anatomy, physiology and diseases of the Liver.

Synopsis of the module content

- Anatomy and physiology of the liver
- Liver function tests
- Cirrhosis and complications
  - Cancer
- Drug and alcohol induced liver injury
- Viral liver disease
- Biliary disease

- At the end of the module students will be able to critically apply anatomical and physiological functions of the liver to a variety of diseases affecting the liver

Module 5 - Small Bowel and Nutrition

Aims of the module:

- To develop a critical understanding of the anatomy, physiology and diseases of the small bowel.
- To learn about basic principles of managing nutrition in health and disease

Synopsis of the module content

- Anatomy and physiology of the small bowel
- Basic principles of nutrition
- Coeliac disease
- Crohn's disease
- PEG feeding
- Bile salt malabsorption
  - Infection related to systemic illness & Photodermatoses

- At the end of the module students will be able to critically apply anatomical and physiological functions of the small bowel to a variety of diseases affecting the small bowel

Module 6 - Colon

Aims of the module:

• To develop understanding of the anatomy, physiology and diseases of the Colon.

Synopsis of the module content



- Colonic anatomy and physiology
- Irritable Bowel Syndrome
- Ulcerative Colitis
- Infective diarrhoea
  - Clostridium difficle
- Colonic cancer
  - Stoma: colostomy and ileostomy
- Colonoscopy, screening and diagnosis

• At the end of the module students will be able to critically apply anatomical and physiological functions of the colon to a variety of diseases affecting the colon.

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%

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.
- English language qualification.
- Personal statement.
- Recommendation from the Ministry of Health or Office of The First Lady (For Asian Countries- Recommendation letter from The Ministry of Health or Vice Chancellor/ Dean/Rector of the Medical University or President of respective Society or Medical Association)
- Income proof (one month Salary/Pay slip or Salary Statement or 3 months bank statement)