



## COURSE SPECIFICATIONS

### Faculty of Medicine– Mansoura University

#### (A) Administrative information

(1) Programme offering the course.	Postgraduate Doctorate degree of Gastroenterology and Hepatology– HGMED610
(2) Department offering the programme.	Internal medicine department– Gastroenterology and Hepatology Unit
(3) Department responsible for teaching the course.	Internal medicine department– Gastroenterology and Hepatology Unit
(4) Part of the programme.	Second part– Elective course – <b>Intervention radiology in Gastroenterology and Hepatology</b>
(5) Date of approval by the Department`s council	<b>26/7/2016</b>
(6) Date of last approval of programme specification by Faculty council	<b>9/8/2016</b>
(7) Course title.	<b>Intervention radiology in Gastroenterology and Hepatology</b>
(8) Course code.	HGMED610ER
(9) Total teaching hours &Credit hours.	30 teaching hours (2 credit hours)

## **(B) Professional information**

### **(1) Course Aims:**

The broad aims of the course are as follows:

Provide candidates with basic knowledge about the role of intervention radiology in diagnosis and treatment of diseases in the field of gastroenterology and hepatology.

### **(2) Intended Learning Outcomes (ILOs):**

On successful completion of the course, the candidate will be able to:

#### **(A) Knowledge and Understanding**

**A1.** Recall the indications and contraindications of each modality in interventional radiological techniques used in either diagnosis and/or treatment of different GI and liver disease.

**A2.** Identify the risk factors and complications of each modality of interventional radiological techniques used in either diagnosis and/or treatment of different GI and liver disease.

**A3.** Recognize and describe the moral, ethical and legal principles in the practice of intervention radiology in gastroenterology and hepatology.

#### **(B) Intellectual skills**

**B1.** Evaluate the fitness and readiness of patients with GI and liver diseases for the interventional procedure.

**B2.** Select and tailor the appropriate modality for each disease entity.

### **(3) Course content:**

Course title	Code	No of Hours/ week	Total	Credit
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		Theoretical (hr)		Total weeks	hours	hours
		Lecture	Seminar			
<u><b>Intervention radiology in Gastroenterology and Hepatology</b></u> <ul style="list-style-type: none"> <li>• Percutaneous management of HCC</li> <li>• TACE in HCC .</li> <li>• Splenic artery embolization.</li> <li>• Transjugular biopsy</li> <li>• TIPS for Portal hypertension .</li> <li>• Percutaneous management of obstructive jaundice.</li> <li>• Embolization and balloon-retrograde transverse obliteration ( for Gastric varices.</li> <li>• Gastrostomy tube placement.</li> </ul>	HGMED 610IR	4	2	5	30	2

#### **(4) Teaching methods:**

- 4.1: Lectures with power point presentations and discussions.
- 4.2: Interactive bedside teaching with clinical case presentations of difficult and interesting cases and group discussions.
- 4.3: Problem solving case scenarios (commentary).
- 4.4: Seminars and presentation of an essay by the postgraduate students.
- 4.5. Journal clubs for critical appraisal of journal articles.
- 4.6. Workshops and training courses for procedural skills.
- 4.6. Attendance of activities in the department including thesis discussion, conferences, clinical rounds, outpatient clinics, procedures ...with both senior staff and junior staff .....

#### **(5) Assessment methods:**

Written exam 25 marks(=20 essay questions+5 MCQ)

Oral. 25 marks

Assessment schedule:

Part of Second part exam, 3 years from admission to the program.

Assessment 1:

Written& Oral exam

Assessment 2:

Log book for assessment of the attendance and activities throughout the whole program.

#### **(6) References of the course:**

- Course notes  
  - Paper and/or electronic
- Essential books  
  - Intervention radiology in Gastroenterology and Hepatology
- Textbook of interventional radiology.
- Textbook of Hepatology: From Basic Science to Clinical Practice, Third Edition
- Websites:  
  - The Society of Interventional Radiology
  - The American Board of Radiology

**(7) Facilities and resources mandatory for course completion.**

Candidates and their learning are supported in a number of ways:

- Induction course introducing study skills
- Candidates logbook
- Programme Specification and Handbooks
- Extensive library and other learning resources
- Computer laboratories with a wide range of software
- Intranet with a wide range of learning support material

**Course coordinator:**

Prof Salah El-Gamal (General Supervisor):

Prof Hasan El-Asklany (Academic Guide):

**Head of the department:**

Prof Salah Gamal.....

**Date:**