

Course specification of Hepatology Medicine

Course

A-Administrative information:

Course title: Hepatology Medicine

Code: HEPT816

Department giving the course: Hepatology department

Program on which the course is given: MD. Hepatologyl Medicine

Department offering the program: Hepatology Medicine department

Academic level: 2nd

Date of specification: 2011

Date of approval by department and Institute council:2011

hours: 28 hrs

B-Professional information:

1. AIM OFTHE COURSE:

- 1-a) Be oriented to the causation, pathogenesis, clinical features, diagnosis, management, and control of infectious diseases of hepatobiliary system .
- 1-b) Be oriented to the causation, pathogenesis, clinical features, diagnosis, management, and control of hepatological and gastrointestinal diseases.
- 1-c) Know the line of treatment and prophylaxis of each disease.
- 1-d) Be well-experienced to the basic interventions at the field of hepatology and gastroenterology as endoscopy and ultrasonography as well as their updates.

2. Intended Learning Outcomes (ILOs)

a- Knowledge and Understanding:

By the end of the course, students should be able to:

- a-1)** Recognize the updates in viral, bacterial and parasitic diseases of hepatobiliary system.
- a-2)** Discuss on evidence bases the laboratory diagnostic tests for hepatic diseases.
- a-3)** Identify the new trends in anti-microbial chemotherapy.
- a-4)** Clarify the advances in the pathogenesis, the clinical features, diagnosis, management, and control of the major hepatic diseases
- a-5)** Define the updates in vaccines.
- a-6) Discuss the basic physiology of immune system as well as GIT & liver physiology.
- a-7) Describe the causation, pathogenesis, clinical features, diagnosis, management, and control of hepatological and gastrointestinal diseases.
- a-8) Define the basic sciences about GIT endoscopy and their applications.

a-9) Approve the ethical and legal principles of medical and professional practice.

a-10) Apply the principles of quality assurance in medical practice.

a-11) Appraise the principles, methods, ethics, and various tools of medical research.

b- Intellectual Skills

By the end of the course, the students should be able to:

b-1) Apply different types of investigations to reach the diagnosis.

b-2) Apply full clinical skills in optimal manner so as to reach the diagnosis.

b-3) Suggest differential diagnosis and the provisional diagnosis.

b-4) Suggest provisional diagnosis after taking full history of the patient.

b-5) Conclude the final diagnosis.

C- Professional and Practical Skills

By the end of the course, the students should be able to:

c-1) Perform abdominal u/s.

c-2) Perform upper and lower gastro intestinal endoscopy.

c-3) Perform ERCP.

c-4) Evaluate medical methods and tools used in infectious dis.,

Hepatology &

gastroenterology and share in its development and progress.

c .5- Use recent technological tools in the professional practice of tropical medicine.

d- General and Transferable Skills

By the end of the course, the students should be able to:

d-1) Increase their clinical sense.

d-2) Proper history taking from the patient and treat them.

3- Course contents:

Clinical infectious diseases which includes:

1.Acute & chronic viral hepatitis.

2. Pathogenesis of microbial diseases and parasitological diseases of hepaobiliary system .

3. Principles of immunology.

4. Antimicrobial therapy.

Clinical Hepatology & gastroenterology

1. Basic anatomy, histology and physiology of the liver.

2. Liver cirrhosis.

3. portal hypertension
 4. Hepatic encephalopathy
 5. Autoimmune liver diseases.
 6. Vascular liver diseases.
 7. Neoplastic hepato-biliary diseases.
 8. Diseases of the biliary tree and gall bladder.
 9. Primary biliary cirrhosis, sclerosing cholangitis & other biliary disorders
 10. Wilson disease
 11. Haemochromatosis
 12. A1 antitrypsin deficiency
 13. Liver transplantation:
 1 Disorders of the esophagus and gastroesophageal junction
 2 Peptic ulcer
 3 Diarrhea and Dysentery
 4 Upper GIT bleeding
 5 Ascites and peritoneal disease
 6 Inflammatory bowel disease
 7□ Malabsorption syndrome
 8□ Disorders of GI motility
 9□ Focal hepatic lesions
 10□ Disorders of the pancreas.

Topic	Theoretical hours	Hours for Tutorials	Laboratory/ Practical	Total
Clinical infectious diseases	60	15	90	165
Clinical hepatology:	75	30	120	225
Clinical Gastroenterology:	75	15	90	180
Total hours	210	60	300	570

4) Teaching and learning methods

- a. Lectures.

b. Clinical rounds.

5) Student assessment methods:

5.1- Written Examination for assessment of knowledge and understanding and intellectual skills

5.2- Oral Examination for assessment of knowledge and understanding outcomes, intellectual skills, general skills and attitude.

5.3- Practical Examination for assessment of practical and intellectual skills

Assessment schedule:

Two written exams 3 hours each in 1 Medicine + clinical exam and oral exams

One written case study exam 1.5 hours

Weighting of assessment :

Written exam: 50% (300marks)

Oral exam: 25% (150 marks)

Clinical exam: 25% (150 marks)

Total: 100%

6-List of references:

a) Essential books.

b) Text books.

c) Periodical websites, etc...

7-Facilities required for teaching and learning to achieve the above ILOs:

as field trips to fever hospitals to know more about infectious diseases who needs

admission to fever hospitals, Data show, Computers, Laboratories instruments, Internet club.

We certify that all of the information required to deliver this course is contained in the above specification and will be implemented

Course coordinator: prof.Dr. Eman Rewesha