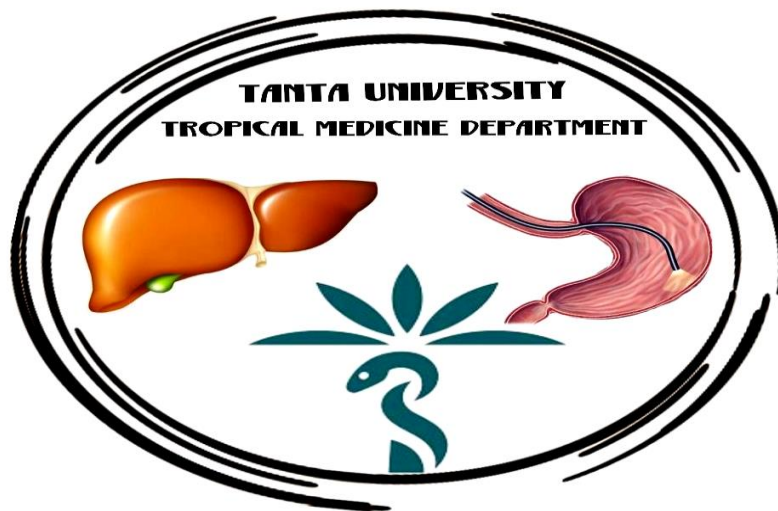




POSTGRADUATE TEACHING COURSE MD DEGREE

Tropical Medicine Department



2019- 2020



Tropical medicine and infectious diseases department



إرشادات مهمة لطلبة الدكتوراه

- أعضاء هيئة التدريس المسؤولين عن كل semester لهم الحرية الكاملة في إختيار طرق التدريس الخاصة بكل محاضرة.
- الطلبة المتقدمة لكل semester مطالبة بجميع الموضوعات الخاصة به سواء تم شرحها أم لا ويمكنهم إستشارة أعضاء هيئة التدريس في موضوع عند الحاجة.
- يجب على الطلبة الإلتزام بالحضور حيث أن نسبة الحضور الملزمة لدخول الإمتحان هي 75% على الأقل.
- يجب على الطلبة الإلتزام بحضور المرور الإكلينيكي مع أعضاء هيئة التدريس وكذلك الأنشطة العلمية الاخرى الخاصة بالقسم من ندوات ومؤتمرات علمية.



Tropical medicine and infectious diseases department



MD Semester 3

A- Temperature regulation and pathogenesis of fever – Pyrexia of unknown origin

B- Bacterial infections:

1. Salmonella infections including enteric fever
2. Cholera
3. Other important bacterial gastrointestinal pathogens than salmonella and vibrio cholera including (Shigella, Campylobacter, E. Coli, Yersinia enterocolitica, Clostridium difficile)
4. Brucellosis
5. Helicobacter pylori infection
6. Tetanus
7. Diphtheria
8. Plague
9. Anthrax
10. Spirochetes including (Treponema, Borrelia, Leptospira)
11. Tropical Rickettsial Diseases including (Typhus group, Spotted fever group, Scrub typhus)
12. Bartonellosis including (Carrion's disease, Cat scratch disease, Bacillary angiomatosis, Peliosis hepatis and Trench fever)
13. Tularemia
14. Melioidosis and glanders
15. Bacteraemia, septicaemia and septic shock



Tropical medicine and infectious diseases department



C- Parasitic infections:

1. Malaria and Babesiosis
2. Leishmaniasis
3. Human Trypanosomiasis
4. Amoebiasis
5. Giardiasis
6. Toxoplasmosis
7. Cryptosporidiosis
8. Cyclosporiasis

D- Other important topics

1. Traveler diarrhea
2. Food poisoning including Botulism
3. Tick borne diseases
4. Antibiotics including (classification, mechanism of action and resistance)



Tropical medicine and infectious diseases department



MD Semester 4

A. Helminthic infections:

- **Trematodes:**
 - Schistosomiasis
 - Fascioliasis
 - Other trematodes including (Paragonimus Westermani, Fasciolopsis Buski and Heterophys Heterophys)
- **Cestodes:**
 - Taeniasis
 - Hymenolepis nana
 - Diphylobothrium latum
 - Hydatid disease (Echinococcus granulosus and multilocularis)
 - Sparganosis (Spirometra spp.)
- **Nematodes:**
 - Ascariasis, ancylostomiasis, enterobiasis, capillariasis
 - Strongyloidiasis
 - Trichinosis
 - Dracunculus medinensis
 - Filariasis (lymphatic, subcutaneous and serous cavity)
- **Soil transmitted helminths**



Tropical medicine and infectious diseases department



B. Anti-Parasitic medications

C. C.N.S infections

D. Sexually transmitted infections

E. Skin and soft tissue infections

(Erysipelas and cellulitis, necrotizing fasciitis, purulent skin infections, animal bites, human bites, diabetic foot and toxic shock syndrome)

F. Community acquired pneumonia

G. Urinary tract infections

H. Infection in transplant recipient

I. Primary immunodeficiencies

J. Health care associated infections

(Prevention, catheter associated UTI, surgical site infections, central line blood stream infection, hospital acquired pneumonia, ventilator associated pneumonia and multiple drug resistant {MDR} infection)



Tropical medicine and infectious diseases department



MD Semester 5

A. Fungal infections:

- Candidiasis
- Aspergilosis
- Cryptococcosis
- Histoplasmosis
- Blastomycosis
- Mucormycosis

B. Mycobacterial infections:

- Tuberculosis
- Leprosy
- Mycobacterium infections other than TB

C. Anti-Fungal medications

D. Viral infections:

- HIV: epidemiology, clinical features, management of HIV/AIDS and its opportunistic infections, prevention
- Viral hepatitis (hepatotropic viruses)
- Viral hepatitis (non hepatotropic viruses)
- Viral haemorrhagic fevers
- Bird flu and swine flu
- Human Herpesvirus (simplex, varicella zoster, Epstein Barr, CMV, roseolovirus, Kaposi sarcoma associated)
- Arbovirus infections
- Rabies



Tropical medicine and infectious diseases department



- Rotavirus and other viral diarrhea
- Influenza virus

E. Anti-viral medications

F. Immunization and vaccination

G. Venoms and poisons



Tropical medicine and infectious diseases department



MD Semester 6

A. Disorders of the esophagus:

1. Symptoms of esophageal disease (dysphagia, reflux, chest pain, odynophagia and globus sensation)
2. Nonmalignant disorders of the esophagus:
 - Gastroesophageal reflux disease
 - Eosinophilic esophagitis
 - Infectious esophagitis
 - Pill induced esophagitis
 - Esophageal motility disorders
3. Metaplastic and neoplastic disorders of the esophagus:
 - Barrett esophagus
 - Esophageal carcinoma

B. Disorders of the stomach and duodenum:

- Dyspepsia
- Peptic ulcer disease
- Miscellaneous gastropathy (atrophic gastritis, intestinal metaplasia, eosinophilic gastritis and lymphocytic gastritis)
- Gastrointestinal complications of NSAID
- Gastroparesis
- Gastric polyps and sub epithelial lesions
- Gastric adenocarcinoma
- Gastric surgery complications



Tropical medicine and infectious diseases department



C. Disorders of the pancreas:

- Acute pancreatitis
- Chronic pancreatitis
- Autoimmune pancreatitis and IgG4 disease
- Pancreatic adenocarcinoma
- Ampullary adenocarcinoma
- Cystic lesions of the pancreas
- Pancreatic neuroendocrine tumors

D. Disorders of the small and large bowel:

- Infectious diarrhea
- Celiac disease and non-celiac gluten sensitivity
- Malabsorption syndrome
- Inflammatory bowel diseases
- Constipation
- Irritable bowel syndrome
- Diverticular disease
- Ischemic bowel disease (acute mesenteric, chronic mesenteric and colonic ischemia)
- Anorectal disorders (perianal disorders, fecal incontinence and anal cancer)

E. Colorectal neoplasia

F. Hereditary gastrointestinal cancer syndromes

G. Gastrointestinal bleeding: Causes, evaluation and management

- Upper, lower and small bowel bleeding



Tropical medicine and infectious diseases department



MD Semester 7

A. Disorders of the liver:

1. Approach to the patients with abnormal liver chemistry studies
2. Autoimmune hepatitis
3. Alcohol induced liver disease
4. Metabolic liver diseases
 - Nonalcoholic fatty liver disease
 - α 1- antitrypsin deficiency
 - hereditary hemochromatosis
 - Wilson disease
5. Cholestatic liver disease
 - Primary biliary cirrhosis
 - Primary sclerosing cholangitis
6. Complications of advanced liver disease
 - Portal hypertension
 - Esophageal varices
 - Gastric varices and portal hypertensive gastropathy
 - Hepatic encephalopathy
 - Ascites and spontaneous bacterial peritonitis
 - Hepatorenal syndrome
 - Hepatopulmonary syndrome
 - Portopulmonary hypertension



Tropical medicine and infectious diseases department



7. Hepatic tumors, cysts and abscesses

- **Hepatic cysts**
- **Hepatic adenomas**
- **Focal nodular hyperplasia**
- **Hepatic hemangioma**
- **Hepatic abscesses**
- **Hepatocellular carcinoma**

8. Liver transplantation

9. Pregnancy related liver diseases

10. Vascular diseases of the liver

- **Portal vein thrombosis**
- **Budd-chiari syndrome**

11. Surgical risks in patients with liver diseases

B. Disorders of the gallbladder and bile ducts

- **Asymptomatic gall stones**
- **Biliary colic**
- **Acute cholecystitis**
- **Acalculous cholecystitis**
- **Functional gallbladder disorders**
- **Common bile duct stones and cholangitis**
- **Gallbladder polyps**
- **Gallbladder cancer**



Tropical medicine and infectious diseases department



MD Semester 8

Nutrition and blood disorders:

- Carbohydrates
- Fats
- Proteins
- Macro and micro nutrients
- Total parenteral nutrition
- Oxidative stress and antioxidants
- Obesity and metabolic syndromes
- Diet in liver diseases
- Dietary therapy in gastrointestinal diseases
- Diet and fever
- Anemias overview (classification, approach and management)
- Nutritional anemias
- Haemoglobinopathies
- Disseminated intravascular coagulopathy

Miscellaneous subjects:

- Porphyrias
- Hypo and hypersplenism
- Heat disorders
- Skin disorders in the tropics
- Eye disorders in the tropics
- Glomerulonephritis in the tropics
- Lymphadenopathy (localized and generalized)