

Course Outline

Gastroenterology

Esophageal Disorders

- Esophagitis, GERD, Motility disorders of the esophagus: Achalasia, Diffuse esophageal spasm, Esophageal Diverticula, Hiatus hernia, Mallory-Weiss syndrome.

Gastric Disorders

- Acute gastritis, Chronic gastritis, Peptic Ulcer disease, Zollinger-Ellison syndrome.

Pancreatic Disorders, Gall bladder and Biliary Tract Disorders

- Acute Pancreatitis, Chronic Pancreatitis, Tumors of the Pancreas.
- Acute and Chronic Cholecystitis, Cholelithiasis and Choledocholithiasis, Primary sclerosing cholangitis.

Liver Disease

- Viral hepatitis, Alcoholic hepatitis, Autoimmune hepatitis, Toxic hepatitis, Hemochromatosis, Wilson Disease, Alpha 1 antitrypsin deficiency, Cirrhosis, Portal Hypertension, Budd Chiary syndrome.

Intestinal disorders

- Inflammatory bowel disease - Crohn's disease, Ulcerative colitis, Irritable bowel Syndrome, Ischemic disease of the bowel-Mesenterial Ischemia, Diverticulosis and Diverticulitis, Celiac disease, Whipple's disease.

Rheumatology

- Rheumatoid arthritis, Juvenile Rheumatoid arthritis, Systemic lupus erythematosus, Polymyositis / Dermatomyositis, Scleroderma disease, Shogren disease, Osteoarthritis, Osteoporosis, Seronegative arthritis- Ankylosing spondylitis, Reactive arthritis, Gout.
- Vasculitis: Large vessel vasculitis- Takayasu's Disease, Giant cell Arteritis
- Medium vessel vasculitis- Polyarteritis Nodosa, Kawasaki Disease.
- Small vessel vasculitis-Microscopic polyangiitis, Granulomatosis with polyangiitis, Eosinophilic granulomatosis with polyangiitis (Churg-Strauss), Immune complex small-vessel vasculitis, Anti-glomerular basement membrane disease, Cryoglobulinemic vasculitis, IgA vasculitis (Henoch-Schönlein purpura), Hypocomplementemic urticarial vasculitis (anti-C1q vasculitis).

Nephrology

- Common Causes of Nephrotic Syndrome- Minimal change disease, Focal segmental glomerulosclerosis, Membranous GN, Membranoproliferative GN, Daibetic nephropathy, Amyloid.
- Common Causes of Nephritic Syndrome- Post-streptococcal GN, IgA nephropathy, Membranoproliferative GN, Rapidly progressive GN.

- Tubulointerstitial Kidney disease (acute and chronic), due to infection (Pyelonephritis), drugs, Toxins, Autoimmune.
- Acute Kidney disease- prerenal, Renal, Postrenal.
- Chronic Kidney disease

Problem-Based Learning (PBL meeting)

Description of the process:

Several groups participate in the meeting. Each group presents a topic (case presentation or rare conditions) 30 minutes long presentation is followed by 15 minutes discussion.