**CARDIOLOGY**
Cardiogenic shock and tamponade  
Aortic insufficiency  
Complications of acute MI  
Adult congenital anomalies  
Diastolic heart failure  
Blood pressure, blood sugar, lipid targets and CV risk  
Severe right heart failure  
Noninvasive cardiac testing  
Hypertrophic cardiomyopathy  
Supraventricular tachycardias

**ICU**  
Positive pressure ventilation- invasive and noninvasive  
Induction drugs during intubation  
Toxicology  
Organ donation- after brain death and non-beating heart  
ARDS and ventilator management  
Hypoxemia and respiratory support  
Evidence for new treatments of sepsis  
Blood sugar control- intensive vs non-intensive  
Evidence for use of blood products

**ENDOCRINE**  
Bone disease- osteomalacia, osteoporosis  
Insulin resistance syndrome  
Thyroid storm and myxedema coma  
Oral hypoglycemic agents and DM management  
Ovarian diseases- PCOS, ovarian failure  
Panhypopituitarism  
Insulin adjustment in hard to control diabetics  
SIADH and central DI  
Congenital metabolic disorders  
Anabolic steroids and effects

**GI**  
Esophageal disorders- achalasia, Barrett’s, stricture, spasm  
IBD- acute and chronic management  
Capsule endoscopy- indications and complications  
Hepatic encephalopathy- medical management including evidence  
Alcoholic hepatitis- including use of steroids  
Colitis- ischemic, microscopic, infectious  
Painless jaundice  
Primary Sclerosing Cholangitis  
Malabsorption syndromes  
Colorectal cancer screening in various populations

**GIM**  
Antihypertensive agents in special settings- pregnancy, DM, CAD, etc.  
Obesity management  
Hyper and hypothermia  
Low back pain  
Renal stones  
Vitamin deficiency syndromes  
Syphilis  
Peri-operative assessment  
Serotonin syndrome  
Asymptomatic transaminase elevation

**GERIATRICS**  
Advance directives  
Apathetic hyperthyroidism  
Cardiac ischemia- atypical presentation  
CLL  
Driving- physician responsibilities  
Normal aging- what findings are expected  
Orthostatic hypotension  
Isolated systolic hypertension  
Feeding tube placement in dementia  
Falls- assessment and management

**HEMATOLOGY**  
Sickle cell anemia and sickle cell crisis  
Acute promyelocytic anemia  
Antiphospholipid antibody syndrome  
Chronic hemolytic anemias  
Hypersplenism  
Myeloproliferative disorders  
Inherited coagulation disorders  
Platelet defects  
Transfusion reactions  
Evidence and use of erythropoietin  
Evidence and use of G-CSF

**ID**  
Fever in the returning traveler  
Fever and rash  
Vector borne diseases  
TB- evidence and indications for treatment  
Invasive fungal infections  
STIs- syphilis, gonorrhea  
Herpes virus family  
Zoonotic infections  
Helminthic infections  
Prion diseases
MEDICAL ONCOLOGY
Approach to lymphomas
Hepatocellular carcinoma and chronic hepatitis
Malignant melanoma
PSA screening and prostate ca
Radiation therapy- uses, indications, complications
Breast cancer screening
Chemotherapy in CLL and indolent lymphomas
Managing chemotherapy side effects
Germ cell neoplasms
Thyroid ca

NEPHROLOGY
Cryoglobulinemia- primary and secondary
Crystal nephropathy and renal calculi
Approach to microscopic hematuria
IgA nephropathy- evidence for management
Approach to dialysis- basic principles
Polycystic Kidney Disease
Proteinuria- including benign causes
Renal artery stenosis
Renal cell carcinoma
Rhabdomyolysis

NEUROLOGY
ALS
Basilar Artery strokes
Lumbar spinal stenosis
Polymyositis and dermatomyositis
Approach to tremors
Trigeminal neuralgia
Wernicke’s encephalopathy
Cerebellar degeneration and infarction
Idiopathic intracranial hypertension
Aseptic meningitis

RESPIRATORY
Asbestos- effects, monitoring, management
Hypoxemia- approach to and diagnosis
Candida in sputum- when to treat
Primary pulmonary hypertension
Pulmonary alveolar proteinosis
Cystic fibrosis
Latent TB- diagnosis, treatment, risk of reactivation
Sleep deprivation and testing
Pneumothorax including recurrent spontaneous
Pulmonary sarcoidosis

RHEUMATOLOGY
Crystal arthritis
CREST syndrome
Drug-induced lupus
Indications for total joint replacement
Periarticular disorders (tendonitis, bursitis)
Lyme disease
Osteoarthritis and evidence for treatments
Scleroderma and renal crisis
Rheumatoid arthritis and evidence for treatment
Polymyalgia rheumatica