Clinical Pharmacology

**Price:**
Full - $580 / Short - $485

**Register:**
(866) 611-5599 or www.AmericanSeminar.com
*Special Association accreditation may vary. See website.*

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**Topics in Infectious Disease - Norah A. Terrault, MD and Daniel K. Shirley, MD**
List the phases of CHBV infection; Choose the appropriate therapy for a patient with CHBV infection; Manage a patient with e-antigen-positive CHB seroconverting to anti-HBe on treatment; Recommend a useful test for a patient with suspected penicillin allergy; Recognize allergic reactions to antibiotics. QUALIFIES FOR INFECTIOUS DISEASE
IM  63 - 28

**Biologic Therapy - Bruce E. Sands, MD and Robert G. Martindale, MD**
Recognize patients with early-stage IBD who would benefit from biologic therapy; Assess the short- and long-term clinical response, remission characteristics, and safety of anti–tumor necrosis factor and anti-integrin therapies for IBD; Explain the mechanisms by which probiotics may prevent and treat GI and extraintestinal illness; Provide patients with effective probiotic options for the treatment of GI infections and antibiotic-induced conditions; Compare probiotics found in yogurt and pill form in terms of accuracy of labeling and viability in the GI tract.
GE  30 - 18

**Advances in Immunotherapy and Hormonal Therapy - Tanya B. Dorff, MD and G. Thomas Budd**
Select appropriate immunotherapy for bladder cancer; Explain the benefit of adding entinostat to interleukin-2 in the treatment of renal cell carcinoma; Consider sipuleucel-T for the treatment of prostate cancer; Recognize the significance of mutations of ESR1 in the treatment of breast cancer; Compare immunotherapeutic drugs used to treat breast cancer.
ON  07 - 23

**Treating Adult Bipolar Disorder - Terence A. Ketter, MD**
Select pharmacologic therapies for patients at risk for mania; Successfully combine medications from different classes for a patient with bipolar depression; Counsel a patient regarding the risks and benefits of recommended medications for bipolar disorder; Describe the mechanisms of action and common side effects of recently approved drugs for acute bipolar depression; Manage add-on and adjunctive therapies for patients with acute bipolar depression. QUALIFIES FOR CLINICAL PHARMACOLOGY
PS  45 - 17

**Bone Science - John P. Bilezikian, MD**
Recognize patients with early-stage IBD who would benefit from biologic therapy; Assess the short- and long-term clinical response, remission characteristics, and safety of anti–tumor necrosis factor and anti-integrin therapies for IBD; Explain the mechanisms by which probiotics may prevent and treat GI and extraintestinal illness; Provide patients with effective probiotic options for the treatment of GI infections and antibiotic-induced conditions; Compare probiotics found in yogurt and pill form in terms of accuracy of labeling and viability in the GI tract.
GE  30 - 18

**Fracture Healing and Osteoporosis - Susan V. Bukata, MD**
Overcome barriers to the treatment of osteoporosis in patients with fractures; Summarize current understanding of the biology of fracture healing; Cite evidence from the literature concerning the effects of medications used to treat osteoporosis on the process of fracture healing; Initiate appropriate treatment of osteoporosis in a patient with a fracture; Implement protocols for the treatment of patients with atypical femur fractures.
OR  39 - 24

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Cancer Therapy Review - Nathan Pennell, MD and Nicholas LeCroy, PharmD
Identify molecular targets for treatment of non-small cell lung cancer; Choose appropriate strategies for identifying mutations that can be targeted in the treatment of non-small cell lung cancer; Select therapies for cancer based on new indications approved by the US Food and Drug Administration; Determine whether patients are appropriate candidates for use of novel cancer treatment agents; Consider the use of checkpoint inhibitors for newly expanded cancer indications.
ON 08 - 01

Prostate Cancer Update - Daniel P. Petrylak, MD, Steven E. Finkelstein, MD, Leonard G. Gomella, MD and Raoul S. Concepcion, MD
Explain the benefit of adding docetaxel to androgen deprivation therapy (ADT) in the treatment of PC; Assess the effects of adding docetaxel to ADT plus external-beam radiation therapy in patients with high-risk PC; Recognize the positive immune response associated with the combination of radiation therapy and immunotherapy; Select appropriate candidates for intermittent hormonal therapy for PC. 5. Summarize molecular mechanisms that may serve as targets in the treatment of PC.
UR 40 - 03

Drug Dosing in the Obese Patient - Jerrold Lerman, MD
Apply the appropriate scalars for adjusting doses of medication for obese patients; Summarize the importance of volume of distribution in the adjustment of drug doses; Estimate patients’ ideal body weight and lean body weight; Identify drugs as lipophilic or hydrophilic and use the appropriate scalars for each; Assess obesity and calculate ideal body weight in children. QUALIFIES FOR CLINICAL PHARMACOLOGY
AN 59 - 15

Respiratory Infections: An Overview of Outpatient Antibiotic Therapy - B. Joseph Guglielmo, PharmD
Identify those patients with acute bacterial rhinosinusitis or acute otitis media who may benefit from antibiotics; Review guidelines about the treatment of streptococcal pharyngitis and acute bronchitis; Describe side effects associated with macrolides and fluoroquinolones; Discuss findings from microbiome studies about the prolonged effects of antibiotics; Counsel patients about alternative treatments for reducing symptoms of the common cold. QUALIFIES FOR CLINICAL PHARMACOLOGY
FP 65 - 16