

## NP5 Nephrology Review

**Price:** \$580.00

**Register:** (866) 611-5599 or [www.AmericanSeminar.com](http://www.AmericanSeminar.com)

*\*Special Association accreditation may vary. See website.*

### **Resistant Hypertension/Chronic Kidney Disease - Mitra K. Nadim, MD and Jeanie Park, MD**

Manage resistant HTN; List reasons for nonadherence to medications in patients with HTN; Summarize the role of microneurography in the assessment of CKD; Explain the sequelae of oxidative stress; Select optimal interventions for a patient with kidney disease who may have increased sympathetic nerve activity.

IM 67 - 09

### **Pediatric Nephrology - Ali Mirza Onder, MD**

Accurately diagnose primary and secondary hypertension in children; Make appropriate use of 24-hr blood pressure monitoring; Identify 4 tests that cover ≈85% of the differential diagnosis in pediatric hypertension; Rule out transient and orthostatic proteinuria before initiating a more extensive proteinuria workup; Diagnose and treat nephrotic syndrome.

UR 43 - 10

### **Hypertension in Pregnancy/Obesity and Kidney Stones - Christian M. Pettker, MD and Dean G. Assimos, MD**

Manage a pregnant woman with hypertension; Distinguish between an exacerbation of chronic hypertension and preeclampsia; Interpret the urine protein:creatinine ratio; Explain the pathophysiology of calcium oxalate kidney stones and uric acid kidney stones; Prevent kidney stones from forming after bariatric surgery.

FP 68 - 19

### **Chronic Kidney Disease /Herbs and Supplements - Michael G. Shlipak, MD and Cora Collette Breuner, MD**

Review the definition, causes, and complications of CKD; Explain advantages of using cystatin C-based estimations of glomerular filtration rate, compared with creatininebased estimations; Select effective treatment of hypertension, diabetes, and hyperkalemia in patients with CKD; List uses and side effects of common supplements, such as coenzyme Q10, zinc, and melatonin; Counsel patients and parents about supplements that can be used in children with insomnia, autism, and Tourette syndrome.

FP 68 - 21

### **Update on Stones - Manoj Monga, MD, Benjamin K. Canales, MD, Nicole L. Miller, MD and Jens Rassweiler, MD**

Optimize perioperative conditions for patients undergoing percutaneous nephrolithotomy; Minimize oxalate absorption in patients prone to stone formation; Assess the advantages and disadvantages of stone fragmentation with basket extraction compared with dusting; Elaborate on recent advances in laser lithotripsy; Select appropriate interventions for complicated cases of renal stones.

UR 43 - 19

### **Acute Kidney Injury in Children - Vikas R. Dharnidharka, MD**

Use the most current nomenclature to discuss the etiology of AKI in children; Describe the mechanisms of damage and compensatory protection that occur in AKI; Prevent AKI in children at risk using strategies recommended by current guidelines; Calculate the estimated glomerular filtration rate in children; Treat patients with AKI and secondary metabolic abnormalities.

PD 66 - 42

### **Neonatal Sepsis /Congenital Syphilis - Matthew A. Saxonhouse, MD and Penelope H. Dennehy, MD**

Diagnose a critically ill neonate; Manage suspected bacterial sepsis in children; Choose appropriate treatment for a child with suspected herpes simplex virus; Evaluate a newborn infant for suspected syphilis; Explain screening algorithms for syphilis.

PD 66 - 47

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**Childhood Renal Tumors/Strictures After  
Hypospadias Repair/Partial Nephrectomy -  
Nicholas Cost, MD, Margit Fisch, MD and  
Pierluigi Bove, MD**

Distinguish among renal tumors most often seen in children; Interpret genetic findings in children with renal tumors; Stage a renal tumor according to the guidelines from Children's Oncology Group; Counsel patients who underwent hypospadias repair during childhood about the likelihood of recurrent urethral strictures; Choose surgical techniques that minimize risk for complications among patients undergoing partial nephrectomy.

UR 43 - 24

**Latest AUA Guidelines /Kidney Cancer - Timothy  
D. Lyon, MD, Nicholas J. Hauser, MD and Viraj  
Master, MD**

Apply the 2019 American Urological Association (AUA) guidelines to the diagnosis and management of early-stage testicular cancer; Recommend appropriate diagnostic and therapeutic strategies for lower urinary tract symptoms caused by benign prostatic hyperplasia; Implement treatment for incontinence after prostate treatment based on 2019 guidelines from the American Urological Association; Choose appropriate strategies for the treatment of locally advanced kidney cancer; Assess clinical trial data on the efficacy and safety of adjuvant tyrosine kinase inhibitor therapy in the management of high-risk renal cell carcinoma.

UR 44 - 04

**Highlights from State of the Art: Kidney and  
Pancreas Transplantation - Mona Doshi, MD and  
Silas Norman, MD**

Recognize the importance of telemedicine for the delivery of health care during and after the COVID-19 pandemic; Optimize the selection and management of living organ donors through telemedicine; Identify social determinants of health for COVID-19 and its impact on transplant patients; Describe the demographics of the COVID-19 pandemic's effect on the general and transplant populations; Recognize the financial and mental health impacts of COVID-19, particularly in the kidney transplant population.

IM 68 - 08