LEARNING OBJECTIVES

Nephrology Learning Objectives:

1. Hypertension
   • Understand the normative data and be able to classify a patient by hypertension stage
   • Basic evaluation and work up of a patient presenting with hypertension
   • General anti-hypertensive management strategies

2. Hematuria
   • Evaluation and differential diagnosis of microscopic hematuria
   • Evaluation and differential diagnosis of gross hematuria, including glomerulonephritis

3. Proteinuria
   • Evaluation of asymptomatic/isolated proteinuria
   • Evaluation and management of nephrotic syndrome

4. Urinary tract infections & Vesicoureteral reflux (VUR)
   • Evaluation and management of a child with a suspected UTI
   • Understand the role of reflux, VCUG, and antibiotic prophylaxis in patients with UTI

5. Chronic kidney disease/End stage renal disease & Renal replacement therapy
   • Determination and estimation of glomerular filtration rate (GFR)
   • Evaluation, staging, and management of chronic kidney disease
   • Understanding the sequelae associated with CKD and ESRD Basic peritoneal and hemodialysis concepts

6. Renal Transplantation
   • Basic concepts of transplant medicine
   • Immunosuppression mechanisms and side effects