Module Objectives

[1.1] Identify and define the concepts that govern ethical decision making
[1.2] Apply ethical concepts to medical ethical dilemmas
Evaluate medical and ethical principles underlying decision-making with respect to offering life sustaining therapy with renal replacement therapy
[1.7] Non-medical factors
Consider and discuss cultural, economic, and psychosocial factors in managing acute and chronic kidney injuries and their role in decision making regarding renal replacement therapy
[1.8] Access to health care
Consider and discuss medical, economic, psychosocial and cultural factors that may contribute to barriers to medical access for patients with kidney disease
[2.1] Normal structure and function
[2.1.5] Normal homeostatic mechanisms with regards to acid-base, mineral and fluid balance
[2.2]- Pathogenesis and pathophysiologysis
[2.2.1] Inherited malformations of the urinary tract, urinary tract tumors
[2.2.4] Acute and chronic kidney injury with associated multisystem derangements
[2.2.5] Pathogenetic approach to kidney injury and acid-base abnormalities
[2.3] Clinical manifestations of disorders
Clinical manifestations of renal, metabolic, and hypertensive diseases
[2.4] Pharmacotherapeutic modalities
Mechanism and clinical utility of diuretics, RAAS-modifying and other antihypertensive medications
[2.5] Clinical and translational research
Molecular and genetic advances in kidney disease with respect to diabetic nephropathy and inherited tubular disorders.
[3.4] Interpretation of diagnostic tests
Interpret laboratory data including: the urinalysis, urinary and serum electrolytes and arterial blood gas
[3.5] Exam manifestations of disorders
[3.6] Clinical reasoning and problem solving
Apply physiologic principles in context of clinical data to diagnose educational patient cases with respect to: volume disorders, hypertension, acid-base and mineral derangements, acute and chronic kidney injuries

Instructional Method Summary

Renal Module Instructional Methods (%)
- Lecture, 43.75%
- Conference, 12.5%
- Lab, 10%
- Independent, 5%

Renal Module Instructional Methods (hrs)
- Lecture, 35 hrs
- Conference, 29 hrs
- Lab, 6 hrs
- Independent, 4 hrs