

**Objective** - Student will learn about the fundamental of dialysis procedure, maintenance of lab infection & how to control complication in hemodialysis.

**UNIT - 1**

- Basics of Dialysis Machine and patient monitoring during hemodialysis
- Patient Assessment - Pre, intra & Post Dialysis
- Lab data analysis
- Acute and chronic dialysis prescription
- Medications in dialysis patients
- Nutrition management in dialysis patients
- Anticoagulation

**UNIT - 2**

- Infection control and universal precautions
- Psycho-social aspects & patient education
- Quality assurance in dialysis

**UNIT - 3**

- Complications of hemodialysis - Acute & chronic
- Acute and Chronic Peritoneal Dialysis
- History, access, physiology of Peritoneal Dialysis
- PD - Transport kinetics, ultrafiltration, UF, Intermittent PD,

**UNIT - 4**

- Ambulatory Peritoneal Dialysis, Automated Peritoneal Dialysis, Dialysis
- Solutions, Novel uses of PD
- Infectious and non-infectious complications of PD
- Renal transplant co-ordination