



St. John's Medical College

(A Unit of CBCI Society for Medical Education)

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Short-term training course details in Nephrology

Duration : 1 year (12months), full time

Eligibility : MD Internal Medicine

1. A. Goals

The Goal of Short-term training in Nephrology is to produce a competent Doctor who:

- Has acquired the competence pertaining to Nephrology that is required to be practiced in the community level.
- Has acquired the skills to manage the patient effectively pertaining to nephrology.
- Has acquired skill in effectively communicating with patient and his attendants.
- Has the desired skills to manage emergency cases with support of seniors.

2. B. OBJECTIVES

- Recognise and identify the various renal problems.
- Take detailed history, perform full physical examination and make clinical diagnosis, perform relevant investigative and therapeutic procedures.
- Interpret important imaging and laboratory results.
- Demonstrate empathy and human approach towards patients and their families.

3. COURSE CONTENT

TRAINING METHOD OF AREAS

- i. Candidates will work in the department under the guidance of Assistant Professors, Associate Professors and Professors. They will be trained in the decision making process both in clinical and investigative aspects of nephrology. The candidates shall work taking up the responsibility of investigative and therapeutic management of patients under the guidance of senior teachers in nephrology.
- ii. The candidates will attend nephrology out patient department and renal transplant OP. The candidates will write case sheets of the new patients and discuss the problems of old patients with Associate Professor and Professor of Nephrology.

- iii. Training in renal biopsy and interpretation of biopsy and other invasive procedures will be given.
- iv. The candidates shall maintain log book.

4. DIALYSIS

a. HEMODIALYSIS

The candidates will be posted in Hemodialysis units in rotation where he or she will be trained in both technical and clinical aspects of Hemodialysis including double lumen venous catheterization, permeth insertion. Dialysis reuse etc. They will also be trained in Continuous Renal Replacement Therapy (CRRT) – mode of dialytic therapy in critically ill patients.

The candidates will also be trained during this period in plasmapheresis and Hemoperfusion

b. PERITONEAL DIALYSIS

All candidates will be trained to perform acute intermittent Peritoneal Dialysis including its benefits and complications. Apart from that they will be trained in the management of Continuous Ambulatory Peritoneal Dialysis (CAPD) patients.

c. Will be exposed to basics of **RENAL TRANSPLANTATION**.

d. Will be exposed to basics of **GENERAL NEPHROLOGY AS BELOW**

ASSESSMENT OF RENAL DISEASE
FLUID AND ELECTROLYTE DISORDERS
GLOMERULAR DISEASE
THE KIDNEY IN SYSTEMIC DISEASE
DIABETES MELLITUS
URINARY TRACT INFECTION
ACUTE KIDNEY INJURY (AKI)
CHRONIC KIDNEY DISEASE (CKD)


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