



## **MGM INSTITUTE OF HEALTH SCIENCES**

(Deemed University u/s 3 of UGC Act, 1956)

**Grade 'A' Accredited by NAAC**

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### **MGM 111 Fellowship in Clinical Nephrology**

#### **PROGRAMME OUTCOME**

The objective of this program is to provide the trainee with the knowledge and expertise to be successful in clinical, research, teaching and administrative activities in the field of Clinical Nephrology

#### **Course Outcomes**

##### **Knowledge:**

- CO1. Attain knowledge of presentation and management of acute kidney disease and chronic kidney disease.
- CO2. Attain knowledge of presentation and management of electrolyte and acid-base disorders.
- CO3. Attain knowledge of various modalities of haemodialysis and peritoneal dialysis.
- CO4. Attain knowledge of evaluation of donor and recipient for renal transplantation.
- CO5. Attain knowledge of histopathological and radiological presentation of various renal ailments.
- CO6. Attain knowledge of research methodology pertaining to nephrology.

##### **Skills:**

- CO7. Ability to interview patients with renal ailments. Thereafter form a differential diagnosis and formulate an evaluation process which will guide the treatment.
- CO8. Independently perform
  - Temporary internal jugular and femoral vein haemodialysis catheter insertion.
  - Permanent tunnelled haemodialysis catheter insertion.
  - Acute peritoneal dialysis catheter insertion.
  - USG guided renal biopsy.

CO9. Independently perform haemodialysis sessions for critically ill, in-patient and out-patient dialysis for patients with acute kidney injury and end stage kidney disease.

CO10. Independently perform acute peritoneal dialysis and continuous ambulatory peritoneal dialyses sessions.

CO10. Interpret ultrasound, CT and nuclear imaging of urological system.

CO11. Interpret urine microscopy and renal histopathology specimen.

CO12. Achieve communication skills with fellow physicians and personnel of other specialities and sub-specialities.

CO13. Train general medicine trainees in dialysis technology.

CO14. Train dialysis technology trainees in dialysis technology.



**Dr. Rajesh B. Goel**  
Registrar

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