



**DEPARTMENT OF ANAESTHESIOLOGY,
PAIN AND PERIOPERATIVE MEDICINE
SIR GANGA RAM HOSPITAL, NEW DELHI, INDIA**

**Kidney Transplant Fellowship
Teaching Programme**

Experience in transplant surgery, open and laparoscopic live donor nephrectomy.

We have an experienced team which performs six renal transplants per week.

The duration of the fellowship is 3-month starting from September, 2014.

The fellowship programme is accredited with National Board of Examination, New Delhi.

I. Clinical components

- Active participation in kidney transplant procedure in the operation theatre with knowledge of invasive monitoring.
- Attending meetings with the patient and the transplant co-coordinator.
- Preoperative visit in the ward.
- Postoperative follow up of patient in the kidney transplant unit.
- Visit to the haemodialysis unit / other renal replacement therapy like sledd
- Visit to the histocompatibility lab
- One day with the nephrologist to get familiar with the immunosuppressive therapy.

II. Lectures

1. History of organ transplantation
2. Physiology of kidney
3. Anatomy of kidney
4. Kidney function tests
5. Drugs affecting kidney function
6. End Stage kidney failure - pathophysiology

7. Ethics in organ transplant and cadaveric organ retrieval
8. Brain death assessment by ICU consultant
9. Preoperative assessment for kidney transplant recipient
10. Preoperative preparation for kidney transplant recipient
11. Immunosuppressive regime for kidney transplant
12. Anaesthetic management for kidney transplant recipient
13. Renal replacement therapy
14. Surgical technique in renal replacement
15. Anaesthetic management for donor nephrectomy – Laparoscopic / Open
16. Postoperative analgesia for donor nephrectomy
17. Postoperative care of donor nephrectomy
18. Postoperative management of kidney recipient / donor

III. O.T. Procedures

1. Central line insertion
2. Arterial canulation
3. Pulmonary artery catheterization
4. Ultrasound vascular access
5. Thromboelastography
6. Blood gas analysis

IV. Operation Theatre

1. Monday 12:00 noon
2. Wednesday 8:00 a.m.
3. Thursday 8:00 a.m.
4. Saturday 8:00 a.m.
5. Emergency transplant - Any other time

VI. Post operative rounds

VII. Research activity

Fellows will be involved in research activity and will be expected to present / publish clinical study.

VIII. “Hands on” Training

‘Hands-on’ training will be allowed under the supervision of the consultants of the liver transplantation anaesthesia team.

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- On completion of their tenure, they shall be assessed by a theory and practical exam by the Consultants in the specialty.