

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

Liver Transplant Fellowship <u>Teaching Programme</u>

I. Lectures

- 2. Anatomy of liver
- 3. Liver function tests
- 4. Drugs affecting liver function
- 5. End Stage liver disease
- 6. Fulminant hepatic failure
- 7. Pre operative assessment for Liver transplant recipient
- 8. Pre operative preparation for transplant recipient
- 9. Hepatorenal syndrome
- 10. Hepatopulmonary syndrome
- 11. Portopulmonary hypertension
- 12. Scoring systems for assessing severity of liver disease
- 13. Anaesthetic management for liver transplant recipient
- 14. Veno Venous bypass
- 15. Haemodynamic monitoring in liver transplant
- 16. Coagulation assessment during liver transplant
- 17. Continuous renal replacement therapy intraoperatively
- 18. Anaesthetic management for donor hepatectomy
- 19. Post operative analgesia for donor hepatectomy
- 20. Post operative care of donor hepatectomy
- 21. Post operative care of liver recipient
- 22. Coagulation disturbances in liver transplant recipients
- 23. Post operative complications in liver transplant recipients
- 24. Immunosupressant primary & secondary

II. O.T. Procedures

- 1. Central line insertion
- 2. Arterial canulation
- 3. Pulmonary artery catheterization
- 4. Ultrasounded vascular access
- 5. Thromboelastography
- 6. Blood gas analysis
- 7. Lithium dilution cardiac output monitoring
- 8. Pulse contour derived haemodynamic parameters

III. Preoperative rounds

- 1. Three times a week Monday, Tuesday and Thursday subject to change
- 2. To assess patient for liver transplant the subsequent day
- 3. To plan the anaesthetic for donor and recipient

IV. Combined pre transplant meetings

- 1. These meetings are attended by surgeons, hepatologists and the anaesthesiologists to discuss the patients coming up liver transplant in the next few days with a view to plan and optimally prepare for the transplant
- 2. Monday and Thursday at 4:00 p.m. in Room No. 2221
- 3. Additional meetings if required

V. Operation Theatre

- 1. Tuesday 6:00 a.m. / 8:00 a.m.
- 2. Wednesday 4:00 p.m.
- 3. Friday 6:00 a.m. / 8:00 a.m.
- 4. Emergency transplant Any other time

VI. Post operative rounds

Daily 8:00 a.m. Liver Transplant ICU, 5th floor, SSR Block

VII. On Call for Liver Intensive Care Unit

Postoperative management of liver donor and recipient under the guidance of consultant anaesthesiologist. All recipients are kept in Liver Intensive Care Unit post operatively. Majority of transplant recipients are ventilated for a variable length of time. The length of stay in Intensive Care is variable from 3 days onwards depending on the individual patient.

The donor is kept in the Liver Intensive Care Unit. If there is no space available, then the donor is managed in the Postoperative Intensive Care Unit, which is in close proximity of Liver Transplant ICU.

VIII. Research activity

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

IX. "Hands on" Training

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

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