

POST DOCOTORAL FELLOWSHIP IN PAEDIATRIC HEPATOLOGY

Duration of the course : One year

Syllabus

- Anatomy and development of liver
- Normal functional biology of liver
- Laboratory assessment of hepatic injury and liver function
- Mechanism of liver injury
- Radiology of liver in children
- Phenotypes of liver diseases in Infants, Children and Adolescents
- Psychosocial, cognitive and quality of life considerations in the child with liver disease
- Approach to the patient with Abnormal Liver Test,
- Approach to the Patient with Jaundice,
- Hepatitis A and E,
- Hepatitis B and D,
- Hepatitis C: Diagnosis, Management and Treatment
- HIV/HCV and HIV/HBV- Co-Infections
- Metabolic liver disease in children
- Neonatal haemochromatosis and Gestational alloimmune liver disease
- Allagile syndrome

- Idiopathic neonatal hepatitis and its differential diagnosis
- Biliary atresia
- Choledochal cyst
- Fibrocystic disease of liver
- Infections of liver
- Autoimmune liver disease and sclerosing cholangitis
- Parenteral nutrition associated liver disease and management
- Non-alcoholic fatty liver disease and steatohepatitis
- Drug Induced liver diseases
- Gallstone diseases in children
- Vascular liver diseases
- Hepatic tumors
- Liver involvement in systemic diseases
- Acute liver failure in children
- Intensive care management of ALF in children : Stabilization and transport
- Intensive care management of ALF in children : Ventilatory strategies
- Intensive care management of ALF in children : Hemodynamics
- Chronic liver disease and its complication: Hepatopulmonary syndrome
- Chronic liver disease and its complication: Encephalopathy
- Chronic liver disease and its complication: Hepatorenal syndrome

- Chronic liver diseases and its complication: others
- Liver transplantation in children : Assessment
- Liver transplantation in children : Intra and post operative care
- Acute Rejection
- Chronic Rejection
- Primary Non-Function
- Ischemia Reperfusion Injury after Liver Transplantation,
- Vascular Complications of Liver Transplantation
- Biliary Complications after Liver Transplantation
- Approach to Prophylaxis and Management of Infections after Liver Transplantation
- Malignancy after Liver Transplantation
- Liver transplantation in children : Immunosuppression monitoring

Basic Paediatric Gastroenterology(As liver disease can affect intestine and vice-versa)

- Food Allergy
- Luminal infections
- Autoimmune disease
- Inflammatory bowel disease
- Nutrition

Basic Paediatric Haemato-oncology (As bone marrow disease can affect liver

and vice-versa)

- Haematological disease affecting liver
- Immunodeficiency disorders affecting liver
- Haematological malignancies affecting liver

Practical Skills:

Upper GI endoscopy diagnostic

(Unsupervised) Upper GI endoscopy

Therapeutic (supervised) Paracentesis

Liver biopsy (indications and contraindications)
