

Section 1. Pathophysiology of Pediatric Liver Disease:

- 1. Liver development***
- 2. Functional development of the liver***
- 3. Mechanisms of bile formation and the pathogenesis of cholestasis***
- 4. Acute liver failure in children***
- 5. Cirrhosis and chronic liver failure in children***
- 6. Portal Hypertension in children***
- 7. Laboratory assessment of liver function and injury in children***

Section 2. Cholestatic Liver Disease:

- 8. Approach to the infant with cholestasis***
- 9. Medical and nutritional management of cholestasis in infants and children***
- 10. Neonatal hepatitis and congenital infections***
- 11. Biliary atresia and other disorders of the extrahepatic bile ducts***
- 12. Neonatal jaundice and disorders of bilirubin metabolism***
- 13. Familial hepatocellular cholestasis***
- 14. Alagille Syndrome***
- 15. Intestinal failure associated liver disease***
- 16. Diseases of the gallbladder in infancy, childhood, and adolescence***

Section 3. Hepatitis and Immune Disorders:

- 17. Hepatitis A and hepatitis E virus in children***
- 18. Hepatitis B virus infection in children***
- 19. Hepatitis C virus infection in children***
- 20. Autoimmune hepatitis in children***
- 21. Sclerosing cholangitis in children***
- 22. Drug-induced liver disease in children***
- 23. Liver disease in immunodeficiencies in children***

Section 4. Metabolic Liver Disease:

- 24. Laboratory diagnosis of inborn errors of liver metabolism***
- 25. α 1-Antitrypsin Deficiency***
- 26. Cystic fibrosis liver disease in children***
- 27. Inborn errors of carbohydrate metabolism***
- 28. Copper metabolism and copper storage disorders in children***
- 29. Iron storage disorders in children***
- 30. Heme biosynthesis and the porphyrias in children***

31. Tyrosinemia in children

32. Lysosomal storage disorders in children

33. Disorders of bile acid synthesis and metabolism in children

34. Inborn errors of fatty acid oxidation

35. Mitochondrial hepatopathies

36. Non-alcoholic fatty liver disease in children

37. Peroxisomal disorders in children

38. Urea cycle disorders in children

Section 5. Other Considerations and Issues in Pediatric Hepatology:

39. Bacterial, parasitic, and fungal infections of the liver in children

40. Systemic disease and the liver in children

41. Fibrocystic liver disease in children

42. Tumors of the liver in children

43. Liver transplantation in children: indications and surgical aspects

44. Liver transplantation in children: post-transplant care.