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- 1. Anatomy and Cellular Functions of the Liver*
- 2. Bile Acids and Bile Flow: New Functions of Old Molecules*
- 3. Intestinal Microbiome and the Liver*
- 4. Liver as an Immune Organ*
- 5. Liver's Response to Injury: Inflammation and Fibrosis*
- 6. Stem Cells and Hepatocyte Transplantation*

Section II. Management and Assessment of Liver Disease

- 7. Approach to Jaundice and Abnormal Liver Function Tests*
- 8. Noninvasive Assessment of Disease Progression*
- 9. Molecular and Genetics-Based Diagnostics*
- 10. Imaging in Assessment of Liver Disease and Lesions*
- 11. Evaluation of the Hepatic Mass*
- 12. Assessment of Liver Histology*
- 13. Critical Care Management of Patients with Liver Disease*

Section III. Clinical Consequences of Chronic Liver Disease

- 14. Neurologic Consequences of Liver Disease*
- 15. Ascites and Hyponatremia*
- 16. Portal Hypertension Related to Bleeding*
- 17. Renal Failure in Cirrhosis*
- 18. Cardiopulmonary Complications of Cirrhosis*
- 19. The Hemostatic and Hematopoietic System in Liver Disease*
- 20. Acute Liver Failure*
- 21. Acute-on-Chronic Liver Failure*

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- 23. Natural History and Cofactors of Alcoholic Liver Disease*
- 24. Prevention and Management of Alcoholic Liver Disease*
- 25. Pathogenesis of Nonalcoholic Fatty Liver Disease*
- 26. Epidemiology, Natural History, and Diagnosis of Nonalcoholic Fatty Liver Disease*
- 27. Management of NAFL-NASH and Metabolic Syndrome*
- 28. Virology and Pathogenesis of Hepatitis C*

29. *Epidemiology, Natural History, and Diagnosis of Hepatitis C*

30. *Treatment of Hepatitis C*

31. *Virology and Pathogenesis of Hepatitis B*

32. *Epidemiology, Natural History, and Diagnosis of Hepatitis B*

33. *Treatment of Hepatitis B*

34. *Hepatitis D*

35. *Hepatitis A*

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