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Functional Molecular Imaging in Hepatology

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About the ebook

The eBook discusses how the special physiology of the liver must be considered when applying functional molecular imaging in hepatology. The main topics of the eBook include the clinical and scientific use and possibilities of functional molecular imaging for investigations of hepatic blood perfusion, substrate metabolism, and biliary secretion as well as for cancer diagnostics (primary and secondary liver cancers). Functional imaging of changes in cerebral blood perfusion and metabolism in patients with liver diseases is also covered. The eBook is written by internationally renowned experts and is intended for everyone who is interested in hepatology or functional molecular imaging

Contents

- ▶ Functional Anatomy of Liver Circulation
- ▶ Measurements of the Liver's Total Blood Flow and Regional Perfusion
- ▶ Combining Compartmental and Microvascular Models in Interpreting Dynamic PET Data
- ▶ Hepatic Glucose and Fatty Acid Metabolism
- ▶ Biliary Secretion
- ▶ Metabonomic Analysis in Liver Diseases

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