1. Record Nr. UNINA9910300235203321

Titolo	Benign Tumors of the Liver / / edited by Luca Aldrighetti, Francesco Cetta, Gianfranco Ferla
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-12985-6
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (335 p.)
Disciplina	610 616.0757 616.33 616.36 617.55059
Soggetti	Surgery Gastroenterology Radiology Internal medicine General Surgery Internal Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Foreword -- Preface -- Part I: General Perspective -- 1. Epidemiology and Histopathology of Benign Liver Tumors -- 2. Molecular Biology and Genetics of Benign Liver Tumors -- 3. Genetic Syndromes and Benign Liver Tumors (Multiple Adenomas in Glycogen Storage Disease) -- 4. Liver Physiopathology (Ischemia/Reperfusion, Factors affecting Liver Regeneration) -- Part II: Imaging -- 5. Imaging Techniques (Ultrasound, CT, MR) of Benign Liver Tumors -- 6. Imaging Morphology in Benign Liver Tumors -- 7. Differential Diagnosis of Benign Liver Tumors -- Part III: Systematic Review of Benign Liver Tumors -- 8. Cysts and Polycystic Liver Disease -- 9. Caroli's Disease: Cystic Bile Duct Dilatations -- 10.Hepatolithiasis -- 11. Hemangiomas -- 12. Focal Nodular Hyperplasia -- 13. Hepatocellular Adenoma -- 14. Adenoma and Biliary Cystadenoma -- 15.Benign Tumors of Bile Ducts and

Gallbladder -- 16. Liver Focal Localizations of Systemic Diseases -- 17. Focal Infectious Diseases -- Part IV: Treatment of Benign Liver Tumors -- 18. Transplantation for Benign Liver Lesions -- 19. Laparoscopic Liver Surgery in Benign Liver Lesions -- 20. Robotic Liver Resection for Benign Tumors -- 21. Interventional Radiology in Benign Liver Tumors: Embolization and Ablation -- 22. Intraoperative Ultrasound in Liver Surgery for Benign Tumors -- 23. Anesthesia and Intraoperative Management in Liver Surgery -- 24. Blood and Transfusion Management in Benign Liver Tumors -- 25. Fast Track Programs in Benign Liver Tumors.

Sommario/riassunto

Diagnosis of benign tumors of the liver is experiencing exponential growth, mainly owing to the diffusion of more accurate imaging techniques. This monograph opens by examining the epidemiology, histopathology, and genetics of these diseases and discussing liver physiopathology. The role of imaging techniques is described, and clear guidance provided on differential diagnosis. The full range of benign liver tumors and conditions is then systematically reviewed, including liver cysts and polycystic liver disease, Caroli disease, hemangiomas, focal nodular hyperplasia, adenomas, hepatic manifestations of systemic diseases, and focal infectious diseases. Surgical indications are accurately analyzed, with a view to assisting in the avoidance of useless interventions. Transplantation, laparoscopic resection, and robotic surgical techniques are described and illustrated, emphasizing the optimization of intra- and postoperative management in order to avoid potential complications and degeneration. In these chapters, attention is drawn to the ways in which the surgical management of benign liver tumors differs from that of malignant tumors. Information is also provided on anesthesia, blood transfusion, the role of interventional radiology in patients with benign liver tumors and fast track programs for liver surgery. This book, in handy format, will prove essential reading for all who are interested in benign liver surgery and will represent an invaluable source of knowledge for general and hepatobiliary surgeons, whether in training or practice.

2.

Record Nr.	UNINA9910631100603321
Autore	Chen Jianhua
Titolo	Coordination Principle of Minerals Flotation / / by Jianhua Chen
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	9789811927119 9789811927102
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (234 pages)
Collana	Earth and Environmental Science Series
Disciplina	622.752
Soggetti	Mineralogy Mining engineering Coordination compounds Mining and Exploration Coordination Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	An Introduction to Coordination Chemistry Theory -- Coordination Characteristics of Mineral Flotation Systems -- Spatial Geometry of Mineral Surface Coordination -- Coordination of Flotation Chemicals with Metal Ions on Mineral Surfaces -- Effect of CFSE on the Interaction of Reagents with Surface -- Orbital Interactions of Reagents Molecules with Mineral Surfaces.
Sommario/riassunto	The advent of flotation, with selective interaction of reagents with minerals at its core, has greatly advanced the development of modern mining. Ever since, there has been continuous researched into the mechanism of mineral-reagent interactions, in an effort to design and develop more effective reagents. A unique perspective from coordination is presented to illustrate the principles of reagent molecules interacting with metal ions on mineral surface. For the first time, the influence is unveiled of mineral crystal structures and surrounding atoms on metal ion properties and further on mineral-reagent interactions. The introduction of classical theories for modern chemistry, including orbital structure, electron spin and orbital symmetry matching, into flotation is realized. Researchers, engineers and graduate students among others in the field of mineral processing

may gain new insight into flotation and the development of novel reagents.