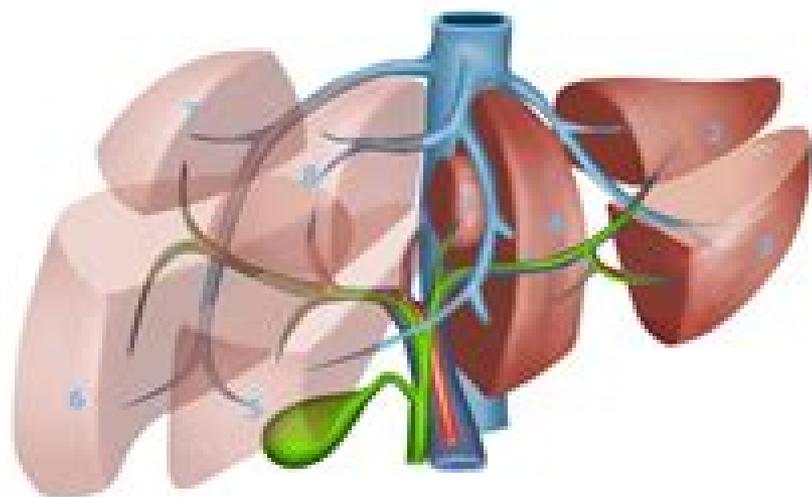
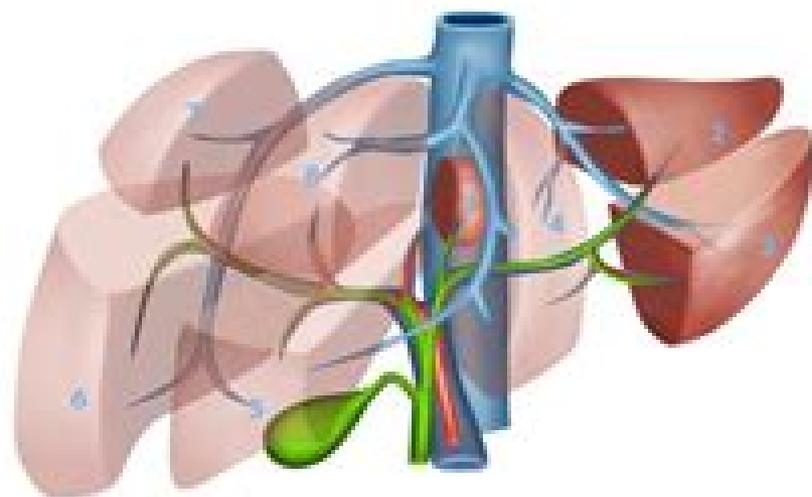


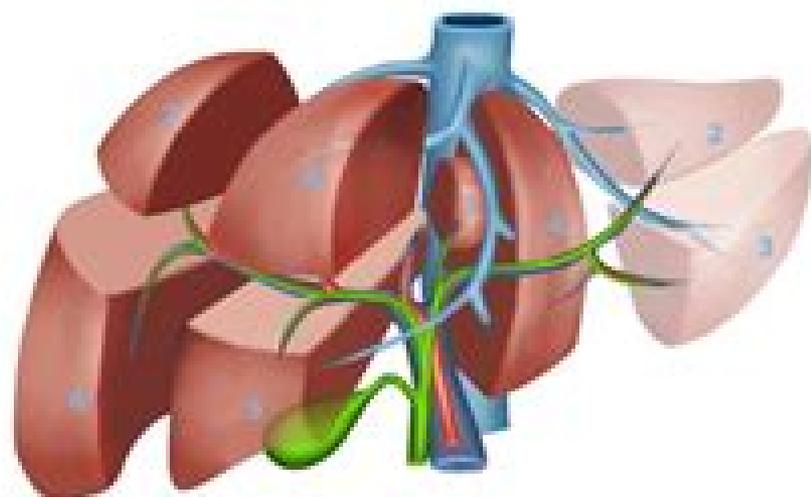
**a** Right hemihepatectomy



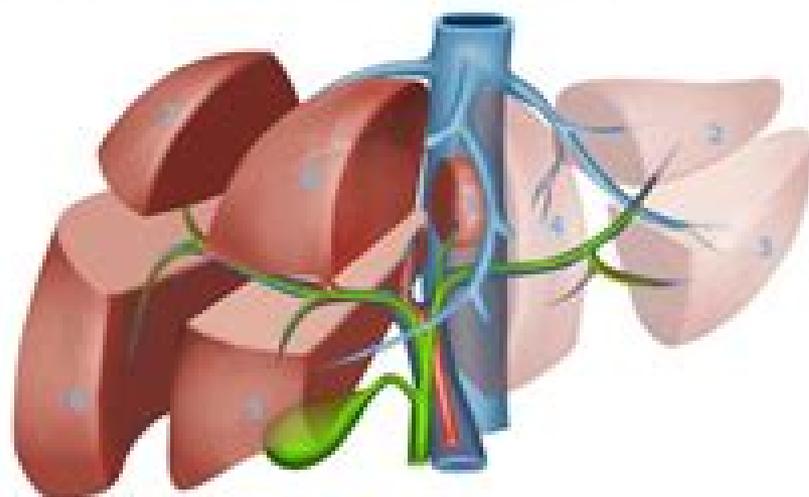
**b** Extended right hemihepatectomy



**c** Left lateral liver resection



**d** Left hemihepatectomy



# Techniques In Liver Surgery

**Lunan Yan**



## **Techniques In Liver Surgery:**

**Techniques of Liver Surgery** Vinay Kumaran, 2016-04-10 *Techniques of Liver Surgery* is a concise step by step guide to a range of techniques used in liver surgery from standard approaches to transplantation The book is divided into twelve chapters beginning with indications for liver resection and techniques for transection of the liver Subsequent chapters cover operations for benign lesions carcinoma of the gall bladder and bile ducts hepatocellular carcinoma and colorectal liver metastases Later chapters focus on liver transplants covering procurement of the liver recipient hepatectomy and implantation The closing chapters cover liver transplant from a living donor Each chapter assesses indications contraindications and preoperative planning before providing a full step by step explanation of the procedure The book also features a detailed description of the W technique a safer technique for performing the hepatic artery anastomosis in living donor liver transplantation Enhanced by 240 full colour images and illustrations *Techniques of Liver Surgery* is an ideal resource for hepatobiliary and transplant surgeons **Key Points Concise step by step guide to techniques in liver surgery** Chapters on transaction various lesions and cancers and liver transplant from deceased and living donors 240 full colour images and illustrations

**Techniques in Liver Surgery** Alighieri Mazziotti, Antonino Cavallari, 1997-01-07 *Techniques in Liver Surgery* is a practical textbook giving a clear step by step account of the many techniques now used in liver surgery ranging from the standard approaches to liver resection and transplantation through to advanced procedures such as major liver resections using hypothermic perfusion auxiliary liver transplantation and transplantation from living related donors In addition to specific techniques the book provides detailed coverage of the surgical anatomy of the liver the basic approaches to liver surgery and the history of the specialty itself Throughout the book is superbly illustrated with detailed colour line drawings intraoperative photographs and radiological images providing an invaluable source of information on the surgical anatomy of the liver and all of the common and less common techniques that are likely to be encountered by the hepatobiliary surgeon both in training and in practice

*Operative Techniques in Liver Resection* Lunan Yan, 2015-12-22 This book presents the latest knowledge in liver resection It includes preoperative assessment hepatic vascular occlusion live parenchyma transection various liver resection techniques liver transplantation ex situ ex vivo resection auto transplantation laparoscopic liver resection and outcome of liver resection It describes 21 resection techniques in the same style Each chapter is built around a series of descriptive photographs and illustrations which are explained in detail in the text At the end of each section there are key points that are critical for surgeons performing liver resections The authors share their extensive experience of liver resections This book will help practitioners perform safe and expeditious resections and reduce postoperative liver failure Hepato bilio pancreatic surgeons hepatologists radiologists clinicians and researchers who are interested in liver surgery will find this book an invaluable guide

**Operative Techniques in Liver Surgery** Everett Bailey, 2019-06-03 A number of surgical procedures are available for the treatment of malignant and benign liver conditions

Many techniques have evolved over the years to make liver surgery more effective simpler and safer It is now possible to perform complicated major and more involved liver surgical procedures within a few hours and without the requirement of blood transfusions The most common type of liver surgery is liver resection which involves the complete or partial removal of the liver It is mostly performed for the purpose of removing a tumor Liver tumors can also be addressed using minimally invasive catheter based procedures and treatments Surgeries for the treatment of liver lesions such as cysts hemangiomas and adenomas can be done laparoscopically or in a conventional open surgical procedure depending on the location of the lesion The objective of this book is to give a general view of the different operative techniques of liver surgery and their applications It strives to provide a fair idea about liver surgery and to help develop a better understanding of the latest advances within this surgical specialization It will be a vital reference text for hepatologists gastroenterologists surgeons and students alike

**Liver Surgery** F. Koeckerling,2001 Modern Operative Techniques in Liver Surgery Bernard Launois,Glyn G. Jamieson,1993 A guide to modern operative techniques in liver surgery The text gives a detailed description of the operative anatomy and in particular the performance of right and left hepatectomy intrahepatic bypass procedures and the removal of eight segments of the liver individually or in combination *The Posterior Intrahepatic Approach in Liver Surgery* Bernard Launois,Glyn Jamieson,2013-07-12 The objective of The Posterior Intrahepatic Approach in Liver Surgery is to describe techniques as the more routine application today of split liver living donor transplantation has continued to teach us more about the anatomy of the liver and its applications Furthermore laparoscopic surgery in general has grown space and it is important to show the application of the posterior approach in laparoscopic liver surgery as well **Atlas of Liver Surgery** Christoph E. Broelsch,1993 **Open, Laparoscopic and Robotic Hepatic Transection** Isidoro Di Carlo,2012-08-28 Bleeding from the liver surface during hepatic transection is one of the main factors affecting mortality and morbidity of liver resection For this reason numerous devices have been developed that employ a variety of techniques to minimize parenchymal damage and so improve the safety of resection This book describes all the devices that are currently available for hepatic transection via open laparoscopic and robotic approaches Procedures are explained and illustrated step by step using informative color figures and photographs This landmark reference in the field will be an ideal guide for liver surgeons as well as a valuable tool for students residents and general surgeons New Techniques in Liver Surgery Ulf Jersenius,2006 **Techniques of Liver Resection** T. M. Van Gulik,2012 Owing to both improved preoperative assessment and the use of established surgical techniques liver resection can today be performed with low morbidity and minimal mortality But no matter which technique is applied in liver resection the most difficult event to manage is postresectional liver failure All peri operative efforts should therefore be directed to the prevention of this potentially lethal complication This publication presents some of the current techniques of liver resection and the management of the most common complications associated with the procedures The first part deals with the question of how much remnant liver is enough for

a safe resection and describes appropriate techniques for optimal preservation Then several procedures for transection of the liver parenchyma and for clamping of the afferent vessels at the hepatic pedicle are presented mainly aiming at limiting blood loss during resection Bile leakage and its prevention after liver resection are considered last followed by a discussion of indications for laparoscopic liver resection

*Glissonean Pedicles Approach in Minimally Invasive Liver Surgery* Benedetto Ielpo, Edoardo Rosso, Alessandro Anselmo, 2023-12-30 Aim of this book is to present the main minimally invasive approaches to the Glissonean pedicles This kind of technique for hepatectomy has been gaining interest in recent years and may represent the ideal method to achieve anatomical liver resections Currently the most performed procedure for liver surgery is still the classic intrafascial approach in which after entering the Glissonean sheath the portal triad elements are singularly dissected and isolated However this is a quite challenging technique to pursue in a minimally invasive setting Nowadays the laparoscopic and robotic approach for liver resections are increasing worldwide and the intra or extra hepatic Glissonean approach in which the portal triad elements are dissected and isolated en bloc without entering the Glissonean sheath can facilitate the surgical technique Furthermore this strategy allows better identification of the ischemic area and could decrease bloodloss during dissection as the liver inflow is kept under control This book includes a step by step description of each pedicle isolation and section with original laparoscopic and robotic pictures and videos HPB surgeons who are interested in this technique may find these pages written in cooperation with some of the most prominent worldwide experts to be highly informative and valuable

*Operative Techniques in Hepato-Pancreato-Biliary Surgery* Steven Hughes, 2015-03-26 Achieve the best outcomes with expert practical highly visual guidance *Operative Techniques in Hepato Pancreato Biliary Surgery* features the biliary system liver spleen and pancreas surgery content from *Operative Techniques in Surgery* the comprehensive 2 volume set edited by Michael W Mulholland MD PhD Ideal for practitioners who wish to focus on mastering today s best biliary system liver spleen and pancreas surgery procedures it guides you step by step through each technique in a consistent manner using concise bulleted text full color illustrations and full color intraoperative photographs to clearly convey exactly what to look for and how to proceed

*Minimally Invasive Surgery of the Liver* Fulvio Calise, Luciano Casciola, 2013-01-25 This book intends to provide a comprehensive and up to date description of the newest techniques in minimally invasive liver surgery The treatment of liver diseases comprises a significant component of the practice of any general surgeon working either in the academic general and community hospitals With the rapid expansion of knowledge and technology also the liver has been approached laparoscopically in a few specialized centers with well recognized advantages for the patients Now this large amount of experience will be made universally available through this book After a concise description of the main tools and technology necessary to carry out a safe laparoscopic and or robot assisted liver surgery details of operative techniques will be illustrated Each chapter will consist of an introduction a summary of the indications and contraindications of specific operative procedures and a detailed description of each surgical

procedure including the potential complications of both the surgery and the postoperative care A special effort will be done to provide informative and accurate illustrations and pictures that will be completed by the DVD containing the movies illustrating the technical procedures performed by the leading European liver surgeons

**Liver Transplantation and Hepatobiliary Surgery** Umberto Cillo, Luciano De Carlis, 2019-08-20 In the past liver resections and liver transplantations were performed by different surgical teams with very little interplay between the two However the evolution toward more complex operations called for an increasingly intense interaction between these surgical techniques split liver and living donor liver transplantation have become popular in the transplant community utilizing the Couinaud segmental anatomy in a very sophisticated way while portal and arterial resection and reconstruction have become indispensable methods for treating Klatskin tumors infiltrating the hepatic hilum This book offers a complete overview of the connections between liver transplantation and hepatobiliary surgery It focuses on ex situ techniques for resection of tumors at the suprahepatic confluence with or without venous reconstruction and on total vascular exclusion of the liver with the aid of a venovenous bypass that should be a surgical option for referral centers in hepatopancreatobiliary surgery By taking into consideration the development of minimally invasive liver surgery it will introduce readers to a variety of new perspectives such as vascular exclusion techniques with or without extracorporeal circulation hemodynamic implications and lessons learned from liver transplant surgery and technical details on pediatric transplantation and its informative role in modern biliary tract surgery

*Surgery of the Liver and Portal Circulation* William V. McDermott, 1974

Surgical Therapeutics and Operative Technique: Regional surgery (continued), operations on the head (continued), thorax, upper and lower limbs Eugène-Louis Doyen, 1920

**Liver Regeneration Techniques in Hepatic Surgery** Luca Aldrighetti, Elio Jovine, Francesca Ratti, Matteo Serenari, 2026-01-16 This book offers a comprehensive overview on the topic of liver regeneration with the aim of providing a potentially curative surgical treatment for liver tumours it will be divided into five thematic sessions from the cellular and haemodynamic mechanisms that act as triggers for the regeneration process to currently available techniques based on surgical and or interventional radiology methods their optimisation and risks to a discussion of how to use hypertrophy techniques in the context of each specific disease setting and new frontiers Despite the fact that this is a progressively evolving field the importance of performing major liver resections in a safe setting reducing the risk of post operative liver failure which is the most serious potentially life threatening complication in liver surgery will remain unchanged in the field of cancer surgery In this scenario a book providing a systematic discussion of the state of the art and evidence now established in this field is an essential tool for any centre with an active liver surgery programme The multidisciplinary perspective used to address this topic is a further innovative value of this project which has the ambition of meeting the need for a lasting cultural background on this subject

Surgery of the Inferior Vena Cava Daniel Azoulay, Chetana Lim, Chady Salloum, 2017-04-10 This book addresses an urgent need offering an updated detailed and multidisciplinary review of surgery

of the inferior vena cava IVC Over the past two decades tremendous advances have been made in this field and related specialties Many journals and or textbooks on different surgical or medical specialties have reported on individual aspects so it is high time to gather all of them in a single resource To date surgery of the IVC remains a major challenge not only in terms of technical difficulties but also in terms of perioperative management The book sheds new light on cutting edge developments including Innovations in imaging Neoadjuvant and adjuvant treatments for tumors of or involving the IVC Intraoperative anesthetic management and Technical and technological advances in surgery As such it will be of a great interest to surgeons cardiac vascular and digestive and urologists as well as radiologists and anesthesiologists *Hepatic Surgery* Hesham Abdeldayem,2013-02-13 Longmire called it a hostile organ because it welcomes malignant cells and sepsis so warmly bleeds so copiously and is often the first organ to be injured in blunt abdominal trauma To balance these negative factors the liver has two great attributes its ability to regenerate after massive loss of substance and its ability in many cases to forgive insult This book covers a wide spectrum of topics including history of liver surgery surgical anatomy of the liver techniques of liver resection benign and malignant liver tumors portal hypertension and liver trauma Some important topics were covered in more than one chapter like liver trauma portal hypertension and pediatric liver tumors

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