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Glissonian Approach Liver Resections

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This year, Celsius Publishing House published the treatise on surgical technique edited by Assoc. Prof. Ionel Tudor Câmpeanu, an outstanding editorial event in Romanian medical literature.

The treatise reflects the achievements of Romanian surgery and is a synthesis of the advances that liver surgery has seen in recent years.

The book is a reprint of the first edition published in 2017 by the same publishing house, being at the time, among the top 3 monographs worldwide (Launois - Jamieson 1993, Takasaki 2007), which treated liver resections in a Glissonian approach.

The author is the pioneer of Glissonian approach liver resections introduced in Romania in 1998.

Over the course of 220 pages, the treatise is divided into 22 chapters and provides specialists with the latest data on surgical technique and tactics regarding liver resections.

Apart from the introduction signed by the editor, the treatise includes a double preface signed by outstanding surgeons of liver resection: Irinel Popescu and Bernard Launois.

The first chapter, the cornerstone of the treatise, authored by Ionel Câmpeanu and Irinel Popescu extensively describes Hepatic segmentation and terminology of liver resections. The following ones are detailed: Couinaud Bismuth French segmentation, American segmentation, Takasaki Japanese Segmentation, Brisbane segmentation (preserved by the author because it ensures "a wide communication between different specialties-surgeons, oncologists, radiologists, gastroenterologists" and is based on "the hepatic segment defined by Couinaud as a territory dependent on tertiary Glissonian pedicles") and a new world terminology (notation) for Nagino 2021 liver resections, mentioned for the first time in Romanian treatises. A series of 15 figures and color diagrams make the text very clear.

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The second chapter, equally important, Anatomical-surgical bases of Glissonian approach liver resections, also signed by the two famous surgeons, accurately describes the surgical anatomy of the liver essential in liver surgery: Laennec capsule, Glisson capsule with Couinaud portal plates complex and Glissonian (Walaeian) sheets, hepatic hilum, main Glissonian portal pedicles: - right main Glissonian pedicle (right portal vein, right hepatic canal, right hepatic artery), with anterior and posterior sectional pedicles, Rouviere-Gans incision; - left main Glissonian pedicle (left portal vein, left hepatic canal, left hepatic artery); caudate lobe, hepatic venous drainage (upper, middle, left and right hepatic vein, short hepatic veins, middle right hepatic vein, lower right hepatic vein, retrohepatic and Couinaud-Belghiti precaval space).

Chapter 3 presents some Considerations on the distribution of Glissonian pedicles in the liver (I. Câmpeanu, Ana Stănila).

Chapter 4 describes Preoperative stage with approach, mobilization of the liver, suspension of the liver, intraoperative ultrasound, methods of interrupting the afferent and efferent circulation (I. Câmpeanu, Ana Stănila, A-R Toma).

Chapter 5 presents The technical ways of isolating the main, sectional, and segmental Glissonian pedicles (I. Câmpeanu, Ana Stănilă, A-C Dima).

Chapter 6 is an exhaustive description of Right hepatectomy (I. Câmpeanu, Ana Stănila, L. Mosoia-Plăviciosu), and Chapter 7 presents Left hepatectomy (I. Câmpeanu, Ana Stănilă, M. Tănase).

The following seven chapters address Right and left trisectionectomy, Central bisectionectomy, Right anterior and right posterior sectionectomy, Left medial and left lateral sectionectomy (I. Câmpeanu, Ana Stănila).

A complex chapter (Chapter 15), which captures the reader by the novelty of the information provided, refers to Resection of the

caudate lobe (I. Popescu, S. Alexandrescu).

The following six chapters address Resection of segment 5, of segment 6, Bisegmentectomies 5 and 6, Resection of segment 7, Resection of segment 8, and Bisegmentectomies 7 and 8. (I. Câmpeanu, Ana Stănila).

An important and extensively developed chapter, Chapter 20, covers Liver resections based on vertical bipartition of the right anterior section (I. Câmpeanu, Ana Stănilă, V. Ștefănescu).

The treatise, based on a rich Romanian experience and on the study of a recent exhaustive bibliography (548 references) is easy to read due to its concise, orderly, and clear style as well as modern typeset. The 150 high quality color figures give the book an academic character.

The outstanding graphic features and the excellent editing were ensured by Celsius Publishing House.

This highly didactic book is addressed to residents, specialists and seniors in general surgery and hepato-bilio-pancreatic surgery, as well as to all those who want to enrich their knowledge in hepato-bilio-pancreatic surgery and liver transplantation.

As academician Irinel Popescu states in the preface "The clinical experience of Associate Professor Ionel Câmpeanu coupled with a deep knowledge of liver anatomy constitutes a solid structure that allowed the writing of this fundamental work, which I consider indispensable both for those who want to dedicate themselves to liver surgery, and also for those who already practice it and who will, thus, find a precious and irreplaceable book"

The publication of this complete and updated treatise from the Romanian literature represents a new step that demonstrates the strength of Romanian surgery, and the editor, known for his high professionalism, for his passion and perseverance in Glissonian approach liver resections, deserves our gratitude.