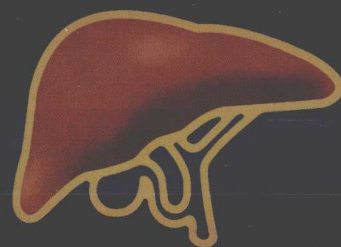


主 编 Leslie H. Blumgart

第 4 版

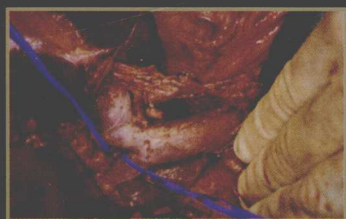


肝胆胰外科学

*Surgery of the Liver, Biliary Tract,
and Pancreas*

主 译 黄洁夫

副主译 陈孝平 董家鸿 赵玉沛



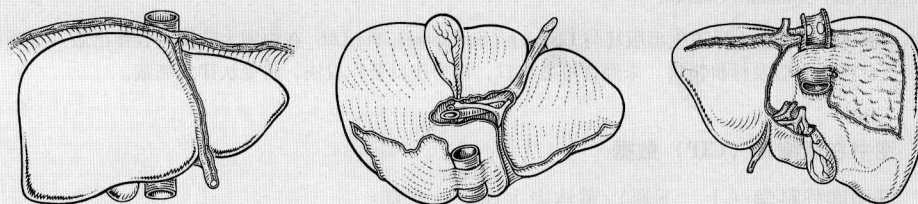
下卷

 人民卫生出版社

肝胆胰外科学

Surgery of the Liver, Biliary Tract, and Pancreas

第4版



下卷

主 编 Leslie H. Blumgart

副主编 Jacques Belghiti William R. Jarnagin
Ronald P. DeMatteo William C. Chapman
Markus W. Büchler Lucy E. Hann
Michael D'Angelica

主 译 黄洁夫

副主译 陈孝平 董家鸿 赵玉沛

Surgery of the Liver, Biliary Tract, and Pancreas, 4th edition

Leslie H. Blumgart, et al.

ISBN: 1416032568/9781416032564

Copyright © 2007 by Elsevier. All rights reserved.

Authorized Simplified Chinese translation edition published by the Proprietor.

ISBN: 981-259-976-2/978-981-259-976-6

Copyright © 2010 by Elsevier (Singapore) Pte Ltd. All rights reserved.

Elsevier (Singapore) Pte Ltd.

3 Killiney Road

#08-01 Winsland House I

Singapore 239519

Tel: (65) 6349-0200

Fax: (65) 6733-1817

First Published 2010

2010年初版

Printed in China by People's Medical Publishing House under special arrangement with Elsevier (Singapore) Pte Ltd. This edition is authorized for sale in China only, excluding Hong Kong SAR and Taiwan. Unauthorized export of this edition is a violation of the Copyright Act. Violation of this Law is subject to Civil and Criminal Penalties.

本书简体中文版由人民卫生出版社与 Elsevier (Singapore) Pte Ltd. 在中国大陆境内合作出版。本版仅限在中国境内（不包括香港特别行政区及台湾）出版及标价销售。未经许可之出口，视为违反著作权法，将受法律之制裁。

图书在版编目 (CIP) 数据

肝胆胰外科学 (上、下卷)/黄洁夫主译. —北京:
人民卫生出版社, 2010. 1

ISBN 978-7-117-10466-1

I. 肝… II. 黄… III. ①肝疾病-外科学②胆道疾病-外科学③胰腺疾病-外科学 IV. R657.3 R657.4 R657.5

中国版本图书馆 CIP 数据核字 (2008) 第 114332 号

门户网: www.pmph.com 出版物查询、网上书店

卫人网: www.hrhexam.com 执业护士、执业医师、
卫生资格考试培训

图字: 01-2007-4219

肝胆胰外科学

(上、下卷)

主 译: 黄洁夫

出版发行: 人民卫生出版社 (中继线 010-67616688)

地 址: 北京市丰台区方庄芳群园 3 区 3 号楼

邮 编: 100078

E - mail: pmph@pmph.com

购书热线: 010-67605754 010-65264830

印 刷: 北京人卫印刷厂(宏达)

经 销: 新华书店

开 本: 889 × 1194 1/16 总印张: 120.25 总字数: 3894 千字

版 次: 2010 年 1 月第 1 版 2010 年 1 月第 1 版第 1 次印刷

标准书号: ISBN 978-7-117-10466-1/R · 10467

总 定 价: 568.00 元

版权所有, 侵权必究, 打击盗版举报电话: 010-87613394

(凡属印装质量问题请与本社销售部联系退换)

译者(按姓氏笔画排序)

万 涛	王 坚	王 敬	王 葵	王广义
王宏光	王春友	王秋生	王彦斌	王晓颖
王维斌	韦军民	毛 羽	文 武	石 军
卢绮萍	卢朝辉	叶 晟	成剑文	朱继业
华贇鹏	刘 涛	刘永锋	刘志伟	刘景丰
杨尹默	杨世忠	杨甲梅	杨智勇	李 俊
李 照	李绍强	李维勤	肖震宇	吴文铭
吴峻立	吴硕东	邱明链	何 强	邹声泉
沈 锋	沈冬威	沈早卓	沈伟峰	张 静
张万广	张太平	张志伟	张宗明	张爱群
陈 笑	陈义发	陈孝平	苗 毅	范 莹
郁正亚	罗顺峰	周宁新	周彦明	郑树国
赵 刚	赵玉沛	赵青川	赵银峰	段伟东
施毓谦	钱建民	徐 智	徐克森	徐泽宽
高文涛	郭克建	唐本强	陶 京	黄志勇
梅 斌	曹 越	崔一尧	阎振林	梁力建
彭吉润	彭宝岗	董家鸿	韩天权	程南生
童 颖	曾 辉	曾建平	谢 峰	雷若庆
樊 嘉				

原版前言

本版《肝胆胰外科学》的作者汇集了众多该领域里的杰出专家,最广泛地提供了该领域的专业知识。

来自于纽约 Memorial Sloan-Kettering 癌症中心的 Lucy Hann 教授,有着多年的肝、胆及胰放射学临床经验,是美国放射诊断学的领军者之一。William Jarnagin 教授无论是在美国,还是在国际上,在胆管及胆囊疾病治疗方面有着广泛的声誉。Ronald DeMatteo 在治疗肝癌和胆管癌方面研究颇深,特别是他对肝、胆、胰肿瘤的病理生理及分子和遗传学的研究,赢得了很高的赞誉。来自法国巴黎的 Jacques Belghiti 教授是国际上知名的外科医生,在该领域有突出贡献。来自密苏里州圣路易斯的 William Chapman 教授在治疗肝胆疾病和肝移植方面有很深造诣。作为国际上杰出的胰腺外科医生,德国海德堡的 Markus Büchler 教授欣然接受我的邀请,承担了本书胰腺病中最难部分的编写任务。

该书同以往的形式一样,涵盖了治疗肝、胆、胰疾病的所有外科知识。参编者都是本学科的专家,他们将自己的体会结合其对所述的外科知识进行了讨论。尽管有些讨论是针锋相对的,但却有利于读者对同一案例进行多方面的思考。有些实例在不同篇章中是有重复的。首先,我允许每个参编者独立发表见解,让以该书作为参考书的读者们从中寻找资料。其次,我允许他们对一些特别棘手的问题表明哪怕是细微差别的观点。

本书的最初目的是肝胆应用解剖学,包括立体放射学。全书以 Claude Couinaud 解剖学为依据,肝脏解剖和各种手术入径的命名是根据他的观点确定的。正常的解剖学、生理学、各种疾病状态,及肝脏再生和肝胆疾病的分子遗传学基础均包括在内。本书对肝、胆、胰疾病的诊断进行了广泛讨论,对重要的新技术,从放射诊断、介入放射到内镜技术,都详尽描述,并与外科手段进行了比较。

本书对胆道疾病的外科治疗作了充分的讨论和图示;对胆囊结石、胆管狭窄、胆管瘘以及胆道、十二指肠乳头和胰腺癌作了重点强调;对肝、胆致病菌感染和寄生虫感染作了详尽阐述;对肝囊肿和胆囊肿及其外科治疗作了充分讨论;对肝损伤、胰损伤及相应的胆道损伤、动静脉损伤的处理作了论述。特别要提的是,涵盖胆道肿瘤、原发性肝肿瘤、继发性肝肿瘤的全部内容是最研究的结果。西方和亚洲的不同观点被重点提示。这一点,得到了该书的重要作者——日本胆道肿瘤外科医生的认可。此外,对胰腺解剖和胰腺病理解剖作了彻底的阐述,包括急、慢性胰腺炎和胰腺癌。

近几年来,肝、胆、胰切除术已有了超精细的手术技巧。本书对这些技术都作了详细讨论。新近推荐的手术方法及其保护肝、脾实质的重要性在本书中得到强调。本书还对大部肝切除时如何失血最少、应用超声波引导手术的重要性,对肝硬化和门脉高压,包括控制因食管静脉曲张出血的手术技术进行了详细阐述和广泛讨论。本书还包括了有关的新成果,如放射介入学、肝衰竭处置和腹水及暴发性肝衰竭的治疗。肝移植、移植并发症及其后果以独立篇章的形式,作为该领域的新进展写进了本书。

总之,我试图把所有的解剖、病理、诊断及与外科有关的肝、胆、胰疾病治疗方法统统写进去,目的是能为外科培训医生和外科医生提供有价值的学术资料。而且,还能为与本学科有关的、关心肝、胆、胰疾病治疗的内科医生提供参考。我们为该书增加了新的作者,目的是广泛发表不同意见,以为读者决定自己的观点提供参考。我衷心感谢为该书做出努力的合作者们,他们不仅希望该书仅是肝、胆、胰现代外科手术的“艺术展示”,更可激励有志于深入探索那些悬而未决的难题的学者们进一步地深入研究。

该书已是第4版,已形成品牌,并在肝、胆、胰外科学方面独树一帜。我用了4年时间打造该书。我愿致力于这一领域的工作,致力于为那些为该领域贡献并将继续贡献他们精力的医生们提供帮助。

主编

L.H. Blumgart

2006年于纽约

主要编者

**Leslie H. Blumgart, BDS, MD,
DSc (Hon), FACS, FRCS (ENG, EDIN),
FRCPS (GLAS)**

Enid A. Haupt Chair in Surgery
Chief, Hepatobiliary Service
Department of Surgery
Memorial Sloan-Kettering Cancer Center
New York, New York

Jacques Belghiti, MD

Professor and Chairman
Department of Digestive and Transplant Surgery
Hospital Beaujon
Paris, France

William R. Jarnagin, MD, FACS

Associate Professor of Surgery
Weill Medical College of Cornell University
Attending Surgeon
Memorial Sloan-Kettering Cancer Center
New York, New York

Ronald P. DeMatteo, MD, FACS

Associate Professor of Surgery
Weill Medical College of Cornell University
Associate Attending Surgeon
Memorial Sloan-Kettering Cancer Center
New York, New York

William C. Chapman, MD, FACS

Professor and Chief
Section of Transplantation
Department of Surgery
Washington University in St. Louis School of Medicine
St. Louis, Missouri

Markus W. Büchler, MD

Professor and Chairman
Department of Surgery
University of Heidelberg
Heidelberg, Germany

Lucy E. Hann, MD

Professor of Radiology
Weill Medical College of Cornell University
Attending Radiologist
Memorial Sloan-Kettering Cancer Center
New York, New York

Michael D'Angelica, MD

Assistant Professor of Surgery
Weill Medical College of Cornell University
Assistant Attending Surgeon
Memorial Sloan-Kettering Cancer Center
New York, New York

参与编写人员

Eddie K. Abdalla, MD

Assistant Professor of Surgery
Department of Surgical Oncology
The University of Texas M.D. Anderson Cancer Center
Houston, Texas

Ghassan K. Abou-Alfa, MD

Instructor
Weill Medical College of Cornell University
Assistant Attending Physician
Memorial Sloan-Kettering Cancer Center
New York, New York

Reid B. Adams, MD

Associate Professor of Surgery
University of Virginia School of Medicine
Chief, Hepatobiliary and Pancreatic Surgery
University of Virginia Health System
Charlottesville, Virginia

N. Volkan Adsay, MD

Associate Professor of Pathology
Wayne State University School of Medicine
Pathologist
The Karmanos Cancer Institute
Harper University Hospital and Detroit Medical Center
Detroit, Michigan

Jatinder P. Ahluwalia, MD

Associate Professor of Internal Medicine—Gastroenterology
Southern Illinois University School of Medicine
Springfield, Illinois

Timothy Akhurst, MBBS, MD, FRACP

Assistant Professor of Radiology
Weill Medical College of Cornell University
Assistant Attending
Memorial Sloan-Kettering Cancer Center
New York, New York

Thomas D. Atwell, MD

Instructor of Radiology
Mayo Clinic College of Medicine
Consultant, Diagnostic Radiology
Mayo Clinic
Rochester, Minnesota

Mary T. Austin, MD, MPH

Resident Physician
Vanderbilt University School of Medicine
Resident Physician
Vanderbilt University Medical Center
Nashville, Tennessee

Claudio Bassi, MD

Associate Professor
University of Verona Faculty of Medicine
Verona, Italy

Christoph D. Becker, MD

Professor of Radiology
University of Geneva Faculty of Medicine
Head of Abdominal Radiology and Acting Chairman
Department of Diagnostic and Interventional Radiology
Geneva University Hospital
Geneva, Switzerland

Ian J. Beckingham, MD

Section of Surgery
University Hospital, Queen's Medical Centre
Nottingham, United Kingdom

Jacques Belghiti, MD

Professor and Chairman
Department of Digestive and Transplant Surgery
Hospital Beaujon
Paris, France

Thomas V. Berne, MD

Professor of Surgery
Keck School of Medicine of USC
Chief, Emergency (Non-Trauma) Surgery Service
Los Angeles County—USC Medical Center
Los Angeles, California

Anton J. Bilchik, MD, PhD, FACS

Director, Gastrointestinal Surgical Oncology
Director, Gastrointestinal Program
Associate Director, Surgical Oncology
John Wayne Cancer Institute
Santa Monica, California

Kenneth F. Binmoeller, MD, FACC

Director
Interventional Endoscopy Service
California Pacific Medical Center
San Francisco, California

Henri Bismuth

Professor and Head
Department of Surgery
Paul Brousse Hospital
Villejuif, France

Martin J. K. Blomley, MD[†]

Professor of Radiology
Imaging Sciences Department
Imperial College School of Medicine
London, United Kingdom

**Leslie H. Blumgart, BDS, MD, DSc (Hon),
FACS, FRCS (ENG, EDIN), FRCPS (GLAS)**

Enid A. Haupt Chair in Surgery
Chief, Hepatobiliary Service
Department of Surgery
Memorial Sloan-Kettering Cancer Center
New York, New York

**P. C. Bornman, MBChB, MMed(Surg), FCS(SA),
FRCS(Ed)**

Professor of Surgery
University of Cape Town Health Sciences Faculty
Head and Chief Surgeon
Surgical Gastroenterology Unit
Groote Schuur Hospital
Cape Town, South Africa

Lynn Brody, MS, MD

Assistant Professor of Radiology
Weill Medical College of Cornell University
Assistant Clinical Radiologist
Memorial Sloan-Kettering Cancer Center
New York, New York

Christoph E. Broelsch, MD, PhD, FACS

Director of General Surgery and Transplantation
University of Duisburg-Essen
Duisburg, Germany

Carlos V. R. Brown, MD

Assistant Professor of Surgery
Keck School of Medicine of USC
Los Angeles County-USC Medical Center
Los Angeles, California

Karen T. Brown, MD

Professor of Radiology
Weill Medical College of Cornell University
Member
Memorial Sloan-Kettering Cancer Center
New York, New York

Melissa L. Brown, MS, RD

Clinical Dietitian
University of Illinois at Chicago Medical Center
Chicago, Illinois

Jordi Bruix, MD

Associate Professor of Medicine
University of Barcelona School of Medicine
Senior Consultant
Barcelona Clinic Liver Cancer Group
Liver Unit Hospital Clinic
Barcelona, Spain

Elizabeth M. Brunt, MD

Professor of Pathology
Saint Louis University School of Medicine
St. Louis, Missouri

Markus W. Büchler, MD

Professor and Chairman
Department of Surgery
University of Heidelberg
Heidelberg, Germany

Andrew K. Burroughs (Hon), ChB, MB, FRCP

Professor of Hepatology
Royal Free and University College Medical School
Consultant Physician and Hepatologist
Royal Free Hospital
London, United Kingdom

Giovanni Butturini, MD, PhD

Consultant, General Surgery
Faculty of Medicine
University of Verona
Verona, Italy

Iain C. Cameron, MD, FRCS

Honorary Senior Clinical Lecturer
University of Sheffield Medical School
Consultant Hepatobiliary Surgeon
Royal Hallamshire Hospital
Sheffield, United Kingdom

Alessio Carloni, MD

Clinic Assistant
Department of Digestive Surgery
University of Paris
Paris, France
Assistant Attending
Department of Digestive Surgery
Hospital Antoine Bécélère
Paris, France

**David L. Carr-Locke, MB, BCh, DRCOG, FRCP,
FACG**

Associate Professor of Medicine
Harvard Medical School
Director of Endoscopy
Brigham and Women's Hospital
Boston, Massachusetts

[†]Deceased

Charles Cha, MD, FACS

Assistant Professor
Departments of Gastrointestinal Surgery and Surgical Oncology
Yale University School of Medicine
New Haven, Connecticut

William C. Chapman, MD, FACS

Professor and Chief
Section of Transplantation
Department of Surgery
Washington University in St. Louis School of Medicine
St. Louis, Missouri

Jin Wook Chung, MD, PhD

Professor of Radiology
Seoul National University College of Medicine
Seoul National University Hospital
Seoul, Korea

Dania Cioni, MD

Assistant Professor of Radiology
Department of Oncology, Transplants, and Advanced
Technologies in Medicine
Pisa University School of Medicine
Pisa, Italy

Kevin C. Conlon, MD

Professor of Surgery and Head, Department of Surgery
Trinity College School of Medicine
National Children's Hospital Tallaght,
Dublin, Ireland

Mauro M. Correia, MD

Professor of Surgery
University of Rio Grand School of Medicine
Consultant Surgeon
National Institute of Cancer Praça da Cruz Vermelha
Rio de Janeiro, Brazil

Carlos U. Corvera, MD

Assistant Professor
Department of Surgery, Division of General Surgery
University of California, San Francisco, School of Medicine
Staff Surgeon
Division of General Surgery
San Francisco VA Medical Center
San Francisco, California

David O. Cosgrove, MA, MSc, FRCR, FRCP

Emeritus Professor
Imaging Sciences Department
Imperial College School of Medicine
Consultant Radiologist
Hammersmith Hospital
London, United Kingdom

Anne M. Covey, MD

Assistant Professor of Radiology
Weill Medical College of Cornell University
Assistant Professor of Radiology
Memorial Sloan-Kettering Cancer Center
New York, New York

Michael D'Angelica, MD

Associate Professor of Surgery
Weill Medical College of Cornell University
Assistant Attending Surgeon
Memorial Sloan-Kettering Cancer Center
New York, New York

Michael Darcy, MD

Professor of Radiology and Surgery
Division of Diagnostic Radiology
Chief, Interventional Radiology Section
Washington University in St. Louis School of Medicine
St. Louis, Missouri

Brian D. Davison, MD, MS

Instructor in Radiology
Harvard Medical School
Chief
Division of Vascular and Interventional Radiology
Children's Hospital Boston
Boston, Massachusetts

Douglas R. DeCorato, MD

Clinical Assistant Professor of Radiology
Weill Medical College of Cornell University
Radiologist
New York Hospital-Cornell Medical Center
New York, New York

Ronald P. DeMatteo, MD, FACS

Associate Professor of Surgery
Weill Medical College of Cornell University
Vice Chair
Department of Surgery
Associate Attending Surgeon
Hepatobiliary Service
Memorial Sloan-Kettering Cancer Center
New York, New York

Demetrios Demetriades, MD, PhD, FACS

Professor of Surgery
Keck School of Medicine of USC
Director of Trauma and Surgical Critical Care
Los Angeles County-USC Medical Center
Los Angeles, California

Achilles A. Demetriou, MD, PhD

Executive Vice President and Chief Operating Officer
University Hospitals Health System
Cleveland, Ohio

Niraj M. Desai, MD

Assistant Professor of Surgery
Washington University in St. Louis
School of Medicine
Director
Pancreas Transplant Program
Barnes-Jewish Hospital
St. Louis, Missouri

Kiran K. Dhanireddy, MD

Senior Resident
Department of Surgery
Georgetown University Hospital
Washington, DC
Research Fellow, Transplantation Branch
National Institute of Diabetes and Digestive and
Kidney Diseases
National Institutes of Health
Bethesda, Maryland

Thomas Diamond, MD, FRCS

Consultant in Hepatobiliary and Pancreatic Surgery
Mater Hospital
The Queen's University of Belfast
Belfast, Northern Ireland

Fabio F. Di Mola, MD

Department of Surgery
University of Heidelberg School of Medicine
Heidelberg, Germany
Specialist in General Surgery
Department of Abdominal Surgery
IRCCS Casa Sollievo Della Sofferenza
Foggia, Italy

Pierluigi Di Sebastiano, MD

Privat-Docent of Surgery
University of Heidelberg School of Medicine
Heidelberg, Germany
Head
Department of Visceral Surgery
IRCCS Casa Sollievo della Sofferenza
Foggia, Italy

Majella Doyle, MD

Clinical Fellow
Department of Surgery–Transplant Surgery,
Washington University in St. Louis School of Medicine,
St. Louis, Missouri

Robert J. Eckersley, PhD

Research Associate
Imaging Sciences Department
Imperial College School of Medicine
Hammersmith Hospital
London, United Kingdom

N. Joseph Espat, MD, MS

Associate Professor
Department of Surgery–Hepatobiliary Surgery
University of Illinois at Chicago Medical Center
Chicago, Illinois

Sheung-Tat Fan, MS, MD, PhD

Chair Professor
The University of Hong Kong
Chair Professor
Queen Mary Hospital
Hong Kong, China

Olivier Farges, PhD, MD

Professor of Surgery
Faculty of Medicine
University of Paris VII
Department of Surgery
Hospital Beaujon
Paris, France

Carlos Fernández-Del Castillo, MD

Associate Professor of Surgery
Harvard Medical School
Visiting Surgeon
Massachusetts General Hospital
Boston, Massachusetts

Mary Fischer, MD

Associate Professor of Clinical Anesthesiology
Weill Medical College of Cornell University
Clinical Member
Memorial Sloan-Kettering Cancer Center
Attending Anesthesiologist
Memorial Hospital for Cancer and Allied Diseases
New York, New York

Yuman Fong, MD

Professor of Surgery
Weill Medical College of Cornell University
Chief
Gastric and Mixed Tumor Service
Murray F. Brennan Chair in Surgery
Memorial Sloan-Kettering Cancer Center
New York, New York

Helmut Friess, MD

Professor of Surgery and Vice-Chairman
Department of Visceral Surgery
University of Heidelberg School of Medicine
Heidelberg, Germany

Josep Fuster

Associate Professor
University of Barcelona School of Medicine
Senior Consultant and Professor of Surgery
Barcelona Clinic Liver Cancer Group
Liver Unit
Hospital Clinic
Barcelona, Spain

Nisha Garg, PhD

Associate Professor
Department of Microbiology and Immunology
University of Texas Medical Branch
Galveston, Texas

Hans Gerdes, MD

Professor of Clinical Medicine
Weill Medical College of Cornell University
Attending Physician and Director
GI Endoscopy Unit
Memorial Hospital for Cancer and Allied Diseases
New York, New York

Philippe Gertsch, MD, FRCS, ICSHK, IHKAM(Surg)

Professor of Surgery and Chief
Department of Surgery
Oncology Institute of Southern Switzerland
Bellinzona, Switzerland

George Getradjman, MD

Associate Professor of Clinical Radiology
Weill Medical College of Cornell University
Clinical Director
Interventional Radiology Section
Department of Radiology
Memorial Sloan-Kettering Cancer Center
New York, New York

George K. Gittes, MD

Benjamin R. Fisher Chair of Pediatric Surgery
and Surgeon-in-Chief
Children's Hospital of Pittsburgh
Pittsburgh, Pennsylvania

Sean C. Glasgow, MD

Resident
Department of Surgery
Washington University in St. Louis School of Medicine
Barnes-Jewish Hospital
St. Louis, Missouri

Gabriel E. Gondolessi, MD

Adjunct Associate Director
Liver Unit
Chief
Nutrition Rehabilitation
Favaloro Foundation
Buenos Aires, Argentina

John Goulis, MD

Lecturer in Medicine
Thessaloniki University
Faculty of Medicine
Thessaloniki, Greece

Dirk J. Gouma, MD

Professor of Surgery
Academic Medical Center
University of Amsterdam
Amsterdam, The Netherlands

Neil A. Halpern, MD, FACP, FCCP, FCCM

Professor of Clinical Medicine and Professor of Medicine in
Clinical Anesthesiology
Weill Medical College of Cornell University
Chief of Critical Care Medicine Service
Attending Critical Care Medicine Physician and Medical
Director, Respiratory Therapy
Department of Anesthesiology and Critical Care Medicine
Memorial Sloan-Kettering Cancer Center
New York, New York

Lucy E. Hann, MD

Associate Professor of Radiology
Weill Medical College of Cornell University
Associate Attending Radiologist
Memorial Sloan-Kettering Cancer Center
New York, New York

Werner Hartwig, MD

Department of General and Visceral Surgery
Ruprecht-Karls University
University of Heidelberg
Heidelberg, Germany

Nancy Heffernan, RN, BSN

Clinical Research Nurse
Hepatobiliary Service
Chief of General Surgery
Memorial Sloan-Kettering Cancer Center
New York, New York

William Scott Helton, MD

University of Illinois at Chicago Medical Center
Chicago, Illinois

Alan W. Hemming, MD, MSc

Professor of Surgery
University of Florida College of Medicine
Director of Hepatobiliary Surgery
Shands Hospital at the University of Florida
Gainesville, Florida

J. Michael Henderson, MD, FRCS

Professor of Surgery
Cleveland Clinic Lerner College of Medicine
Vice-Chairman
Division of Surgery
Cleveland Clinic Foundation
Cleveland, Ohio

Choon-Kiat Ho, MD

Consultant Surgeon
Department of General Surgery
Tan Tock Seng Hospital
Singapore

Philippe Ichai, MD

Paul Brousse Hospital
Villejuif, France

Hiroshi Imamura, MD, PhD

Lecturer
Division of Hepato-Pancreatic-Biliary Surgery
Department of Surgery
Tokyo University Graduate School of Medicine
Tokyo, Japan

C. W. Imrie, BSc, MBChB, FRCS

Professor of Upper Gastrointestinal Surgery and Consultant
Surgeon
Lister Department of Surgery
University of Glasgow
Consultant Surgeon
Royal Infirmary
Glasgow, United Kingdom

James Jackson, MBBS, MRCP, FRCR

Honorary Senior Lecturer
Imperial College School of Medicine
Consultant Radiologist
Hammersmith Hospital
London, United Kingdom

Piotr K. Janicki, MD, PhD

Professor of Anesthesiology
Vice-Chair of Research
Department of Anesthesiology
Penn State College of Medicine
Director of Solid Organ Transplantation Anesthesia
Milton S. Hershey Medical Center
Hershey, Pennsylvania

William R. Jarnagin, MD, FACS

Associate Professor of Surgery
Weill Medical College of Cornell University
Assistant Attending Surgeon
Memorial Sloan-Kettering Cancer Center
New York, New York

Roger L. Jenkins, MD

Professor of Surgery
Tufts Medical School
Boston
Chief of Surgery
Division of Hepatobiliary Surgery and Liver Transplantation
Lahey Clinic Medical Center
Burlington, Massachusetts

Stefan Kahl, MD

Associate Professor
Department of Gastroenterology
Otto Von Guericke Medical School
University of Magdeburg
Magdeburg, Germany

Junichi Kamiya, MD

Chief
General Surgery
Aichiken Koseiren Kamo Hospital
Toyota, Japan

Cuneyt Kayaalp, MD

Associate Professor of Surgery
Gastrointestinal Surgery Department
Turkey Yuksek Ihtisas Hospital
Ankara, Turkey

Colleen R. Kelly, MD

Fellow in Gastroenterology
Brown Medical School and Rhode Island Hospital
Providence, Rhode Island

Nancy E. Kemeny, MD

Professor of Medicine
Weill Medical College of Cornell University
Attending Physician
Solid Tumor-GI Division
Memorial Sloan-Kettering Cancer Center
New York, New York

Allan D. Kirk, MD, PhD

Associate Professor of Surgery
Uniformed Services, University of Health Sciences
F. Edward Hébert School of Medicine
Senior Investigator and Chief
Transplantation Branch
National Institute of Diabetes and Digestive and Kidney
Diseases
National Institutes of Health
Bethesda, Maryland

Yuichi Kitagawa, MD

Staff Specialist for Surgery
National Center for Geriatrics and Gerontology
Obu, Japan

Jörg Kleeff, MD

Consultant Surgeon
Department of Surgery
University of Heidelberg School of Medicine
Heidelberg, Germany

David S. Klimstra, MD

Professor of Pathology and Laboratory Medicine
Weill Medical College of Cornell University
Attending Pathologist and Chief
Surgical Pathology
Memorial Sloan-Kettering Cancer Center
New York, New York

Stuart J. Knechtle, MD

Professor of Surgery and Ray D. Owen Professor of
Transplantation
University of Wisconsin School of Medicine and Public Health
Madison, Wisconsin

Hiroyuki Kobayashi, MD, PhD

Associate Professor
Department of Pediatric Surgery
Juntendo University School of Medicine
Tokyo, Japan

Anil Kotru, MD, MS, MRCS(UK), FRCS(UK)

Fellow
Department of Organ Transplantation
Washington University in St. Louis School of Medicine
St. Louis, Missouri

**Jake E. J. Krige, MBChB, FACS, FCS(SA),
FRCS(Ed)**

Associate Professor of Surgery
University of Cape Town Health Sciences Faculty
Head and Principal Surgeon HPB Surgery Unit
Groote Schuur Hospital
Cape Town, South Africa

Yonson Ku, MD, PhD

Professor and Chairman
Department of Liver Surgery and Transplantation
Kobe University Graduate School of Medical Sciences
Kobe, Japan

Robert C. Kurtz, MD

Professor of Clinical Medicine
Weill Medical College of Cornell University
Chief
Gastroenterology and Nutrition Service
Department of Medicine
Memorial Sloan-Kettering Cancer Center
New York, New York

Douglas R. LaBrecque

Professor of Internal Medicine
University of Iowa Roy J. and Lucille A. Carver College
of Medicine
Attending Surgeon
Department of Internal Medicine
Director of Liver Service
Division of Gastroenterology/Hepatology
University of Iowa Hospital and Clinics
Iowa City, Iowa

Hauke Lang, MD

Professor of Surgery
University of Essen Medical School
Clinic for General, Gastrointestinal, and Transplantation
Surgery
University of Essen Medical Center
Essen, Germany

Michael P. La Quaglia, MD

Professor of Surgery
Weill Medical College of Cornell University
Chief, Pediatric Surgery
Memorial Sloan-Kettering Cancer Center
New York, New York

Nicholas F. LaRusso, MD

Professor of Medicine and Professor of Biochemistry
and Molecular Biology
Mayo Clinic College of Medicine
Distinguished Investigator
Mayo Foundation
Rochester, Minnesota

K. N. Lazaridis, MD

Assistant Professor of Medicine
Mayo Clinic College of Medicine
Rochester, Minnesota

L. S. Lee, MD

Instructor in Medicine
Harvard Medical School
Associate Physician and Director, Women's GI Health
Brigham and Women's Hospital
Boston, Massachusetts

Riccardo Lencioni, MD

Associate Professor of Radiology
Department of Oncology, Transplants, and Advanced
Technologies in Medicine
Pisa University School of Medicine
Pisa, Italy

**Kui Hin Liau, MBBS, MMed(Surg), FRCS(Edin)
FICS, FAMS(Surg), IHPBA, AHPBA**

Clinical Lecturer
The National University of Singapore,
Yong Loo Lin School of Medicine
Consultant Surgeon and Chief of Hepatobiliary and Pancrea
Surgery
Department of Surgery, Digestive Disease Centre
Tan Tock Seng Medical Centre and Hospital
Singapore

Charles J. Lightdale, MD

Professor of Clinical Medicine
Division of Digestive and Liver Diseases
Columbia University College of Physicians and Surgeons
Attending Physician
Department of Medicine New York-Presbyterian
Hospital/Columbia University Medical Center
New York, New York

Keith D. Lillemoe, MD, FACS

Professor of Surgery
Indiana University School of Medicine
Attending Physician
University Hospital
Indianapolis, Indiana

James Lin, MD

Resident
General Surgery
Mount Sinai Medical Center
New York, New York

David C. Linehan, MD

Associate Professor of Surgery
Washington University in St. Louis School of Medicine
Attending Surgeon
Barnes-Jewish Hospital
St. Louis, Missouri

Pamela A. Lipsett, MD

Program Director, General Surgery
Professor of Surgery, Anesthesia, Critical Care and Nursing
Johns Hopkins University School of Medicine
Co-Director, Surgical Intensive Care Units
Johns Hopkins Hospital
Baltimore, Maryland

Josep M. Llovet, MD

Associate Professor
Mount Sinai School of Medicine
New York, New York
ICREA Senior Researcher
Barcelona Clinic Liver Cancer Group
Liver Unit
Hospital Clinic
Barcelona, Spain

Jeffrey A. Lowell, MD

Professor of Surgery and Pediatrics
Washington University in St. Louis School of Medicine
Chief
Pediatric Transplant Surgery
St. Louis Children's Hospital
Associate Director, Transplant Surgery
Barnes-Jewish Hospital
St. Louis, Missouri

David C. Madoff, MD

Assistant Professor
Department of Diagnostic Imaging
Section of Interventional Radiology
The University of Texas M.D. Anderson Cancer
Houston, Texas

Anirban Maitra, MBBS

Associate Professor of Pathology and Oncology
The Sol Goldman Pancreatic Cancer Research Center
Johns Hopkins University School of Medicine
Pathologist
Johns Hopkins Hospital
Baltimore, Maryland

Ali W. Majeed, MD, FRCS

Honorary Professor of Surgery,
Sheffield Hallam University
Consultant Surgeon
Royal Hallamshire Hospital
Sheffield, United Kingdom

Masatoshi Makuuchi, MD, PhD

Professor and Chairman
Department of Surgery
Hepato-Biliary-Pancreatic Surgery Division and Artificial
Organ and Transplantation Division
University of Tokyo Graduate School of Medicine
Tokyo, Japan

Peter Malfertheiner, MD

Professor of Medicine and Director
Department of Gastroenterology, Hepatology, and Infectious
Diseases
Otto von Guericke Medical School
University of Magdeburg
Magdeburg, Germany

Amadeo Marcos, MD

Professor of Surgery
University of Pittsburgh
Pittsburgh
Chief
Division of Transplant Surgery
University of Pittsburgh Medical Center
Pittsburgh, Pennsylvania

James F. Markmann, MD, PhD

Associate Professor of Surgery
University of Pennsylvania School of Medicine
Director
Pancreas Transplant Program
Hospital of the University of Pennsylvania
Philadelphia, Pennsylvania

Robert T. Mathie, BSc, PhD

Senior Lecturer in Surgical Physiology
Division of Surgery, Anaesthetics, and Intensive Care
Imperial College School of Medicine
Hammersmith Hospital
London, United Kingdom

Priscilla F. McAuliffe, MD, PhD

Resident
General Surgery
University of Florida College of Medicine
Shands Hospital
Gainesville, Florida

Colin J. McKay, MD, FRCS

Senior Lecturer and Consultant Surgeon
Lister Department of Surgery
Royal Infirmary
Glasgow, United Kingdom

Jose A. Melendez, MD

Associate Chair of Anesthesiology and Associate Professor
of Anesthesiology
University of Colorado School of Medicine
Senior Medical Director of Perioperative Services
University of Colorado Hospital
Denver, Colorado

Lyle L. Moldawer, PhD

Professor and Vice Chairman for Research
Department of Surgery
University of Florida College of Medicine
Gainesville, Florida

Damian J. Mole, BMedSc, MBChB, MRCS

Research Fellow and Specialist Registrar in General Surgery
Department of Surgery
The Queen's University of Belfast
Belfast, Northern Ireland

Klaus Mönkemüller, MD

Associate Professor
Otto von Guericke Medical School
University of Magdeburg
Director, Molecular Endoscopy
Magdeburg University Hospital
Magdeburg, Germany

Masato Nagino, MD

Associate Professor
Division of Surgical Oncology, Department of Surgery
Nagoya University Graduate School of Medicine
Nagoya, Japan

Alexander Nagle, MD

Associate Professor of Surgery
Division of Gastrointestinal/Endocrine Surgery
Northwestern University Feinberg School of Medicine
Chicago, Illinois

David M. Nagorney, MD

Professor of Surgery
Mayo Clinic and College of Medicine
Rochester, Minnesota

Eric K. Nakakura, MD, PhD

Assistant Professor of Surgery
University of California, San Francisco, School of Medicine
Staff Surgeon
UCSF Comprehensive Cancer Center
San Francisco, California

Attila Nakeeb, MD

Associate Professor of Surgery
Indiana University School of Medicine
Attending Surgeon
Indiana University Hospital
Indianapolis, Indiana

James Neuberger, DM, FRCP

Honorary Professor of Medicine
University of Birmingham School of Medicine
Consultant Physician, Liver Unit
Queen Elizabeth Hospital
Birmingham, United Kingdom

Yuji Nimura, MD

Professor and Chairman
Division of Surgical Oncology, Department of Surgery
Nagoya University Graduate School of Medicine
Nagoya, Japan

Quentin M. Nunes

Surgical Registrar
University Hospital
Queens Medical Centre
Nottingham, United Kingdom

John G. O'Grady, MD, FRCPI

Consultant Hepatologist
Institute of Liver Studies
King's College Hospital
London, United Kingdom

Risteard O'Laoide, MD

Department of Radiology
St. Vincent's University Hospital
Dublin, Ireland

Kim M. Olthoff, MD

Associate Professor of Surgery
University of Pennsylvania School of Medicine
Director
Liver Transplant Program
Hospital of the University of Pennsylvania
Philadelphia, Pennsylvania

Evan S. Ong, MD, MS

Chief Surgical Resident
University of Illinois at Chicago Medical Center
Chicago, Illinois

Marshall J. Orloff, MS, MD

Distinguished Professor of Surgery
University of California, San Diego, School of Medicine
La Jolla
Staff Surgeon
UCSD Medical Center
San Diego, California

Mark S. Orloff, MD

Professor of Surgery
University of Rochester School of Medicine
Staff Physician
Division of Organ Transplantation
University of Rochester Medical Center
Rochester, New York

Susan L. Orloff, MD

Professor of Surgery and Molecular Microbiology and Immunology
Division of Liver and Pancreas Transplantation
Oregon Health & Science University School of Medicine
Portland, Oregon

Valérie Paradis, MD

Professor, Faculty of Medicine,
University Paris VII
Pathologist
Hospital Beaujon
Paris, France

Steven D. Passik, PhD

Associate Professor of Psychiatry
Weill Medical College of Cornell University
Associate Attending Psychologist
Department of Psychiatry and Behavioral Sciences
Memorial Sloan-Kettering Cancer Center
New York, New York

Heinz-Otto Peitgen, PhD

President
MeVis—Center for Medical Diagnostic Systems and
Visualization
Director
CeVis—Center for Complex Systems and Visualization
University of Bremen
Bremen, Germany

Venu Pillarisetty, MD

General Surgery Resident
University of Massachusetts Medical School
Worcester, Massachusetts

C. Wright Pinson, MD, MBA

Chief Medical Officer, Associate Vice-Chancellor Clinical
Affairs and Surgical Director
Vanderbilt Transplant Center
Vanderbilt University Hospital
Nashville, Tennessee

Henry A. Pitt, MD

Professor of Surgery and Vice Chairman for Academic Affairs
Indiana University School of Medicine
Attending Surgeon
Indiana University Hospital
Indianapolis, Indiana

James J. Pomposelli, MD, PhD

Associate Professor of Surgery
Senior Staff Surgeon
Tufts Medical School
Boston
Division of Hepatobiliary and Liver Transplantation Surgery
Lahey Clinic Medical Center
Burlington, Massachusetts

Ronnie T. Poon, MBBS, MS

Associate Professor
Division of Hepatobiliary and Pancreatic Surgery
University of Hong Kong Medical Center
Associate Professor
Queen Mary Hospital
Hong Kong, China

Richard A. Prinz, MD

Helen Shedd Keith Professor and Chairman
Department of General Surgery
Rush Medical College
Chairman
Department of General Surgery
Rush University Medical Center
Chicago, Illinois

Florencia G. Que, MD

Associate Professor of Surgery
Mayo Clinic College of Medicine
Consultant
Department of Surgery
Mayo Clinic
Rochester, Minnesota

Layton F. Rikkers, MD

A. R. Curreri Professor of Surgery
Chairman
Department of Surgery
University of Wisconsin School of Medicine and Public Health
Madison, Wisconsin

Brian J. Rowlands, MD, FRCS, FACS

Professor of Surgery
Section of Surgery
University Hospital, Queen's Medical Centre
Nottingham, England

Margarita Sala, MD

Research Fellow
Barcelona Clinic
Liver Cancer Group, Liver Unit
Hospital Clinic
Barcelona, Spain

Pierre F. Saldinger, MD, FACS

Associate Professor of Clinical Surgery
New York Medical College
Valhalla, New York
Chairman
Department of Surgery
Carmen and Peter Buck Chair in Surgical Oncology
Danbury Hospital
Danbury, Connecticut

Ali Salim, MS, MD

Assistant Professor of Surgery
Keck School of Medicine of USC
Staff Surgeon
Los Angeles County—USC Medical Center
Los Angeles, California

Leonard B. Saltz, MD

Professor of Medicine
Weill Medical College of Cornell University
Attending Physician
Memorial Sloan-Kettering Cancer Center
New York, New York

Dimitrios N. Samonakis, MD

Clinical Research Fellow
Royal Free Hospital
London, United Kingdom

Didier Samuel, MD

Professor of Hepatology
Paul Brousse Hospital
Villejuif, France

Tsuyoshi Sano, MD, PhD

Chief
Department of Surgery
Ogaki Municipal Hospital
Ogaki-City, Japan

Juan M. Sarmiento, MD

Assistant Professor of Surgery
Emory University School of Medicine Attending
Winship Cancer Institute and Veterans Affairs Medical Center
Atlanta, Georgia

O. Scatton, MD

Professor and Chairman
Department of Digestive and Transplant Surgery
Hospital Beaujon
Paris, France

Mark Schattner, MD

Assistant Professor of Surgery
Weill Medical College of Cornell University
Assistant Clinical Member and Assistant Attending Physician
Department of Medicine
Memorial Hospital for Cancer and Allied Diseases
New York, New York

Christian Max Schmidt, MD, PhD, MBA, FACS

Assistant Professor of Surgery, Biochemistry and
Molecular Biology
Indiana University School of Medicine
Attending Physician
University Hospital Clarian Health Care System
Indianapolis, Indiana

Richard D. Schulick, MD

Associate Professor of Surgery, Oncology, and Gynecology
and Obstetrics
Chief
Cameron Division of Surgical Oncology
John L. Cameron Endowed Chair in Surgery
Johns Hopkins Medical Institutions
Baltimore, Maryland

Lawrence H. Schwartz, MD

Vice Chairman for Technology Development
Director
Department of Radiology
Memorial Sloan-Kettering Cancer Center
New York, New York

Myron E. Schwartz, MD

Professor of Surgery
Department of Magnetic Resonance Imaging
Mount Sinai School of Medicine
Director of Surgical Oncology and Associate Director of
Liver Transplantation
Department of Surgery
Mount Sinai Hospital
New York, New York

Ross W. Shepherd, MD, FRACP, FRCP

Professor of Pediatrics
Washington University in St. Louis School of Medicine
Medical Director, Liver Program
St. Louis Children's Hospital
St. Louis, Missouri

Nasir H. Siddiqi, MD

Instructor of Radiology
Harvard Medical School
Department of Radiology
Attending Interventional Radiologist
Brigham and Women's Hospital
Boston, Massachusetts

Samuel H. Sigal, MD

Assistant Professor
Center for Liver Disease and Transplantation
Division of Gastroenterology and Hepatology
Weill Medical College of Cornell University
Assistant Attending Physician
New York-Presbyterian Hospital and Weill Cornell
Medical Center
New York, New York

C. Smajda, MD, PhD

Professor of Digestive Surgery
Department of Digestive Surgery
University of Paris
Hospital Antoine Bécclère
Clamart, France

Aaron J. Small, BS

Medical Student (MMS III)
Mayo Clinic College of Medicine
Rochester, Minnesota

Andrew M. Smith, BSc, DM, FRCS

Honorary Senior Lecturer
Leeds University
Consultant Pancreatic and Hepatobiliary Surgeon
St. James' University Hospital
Leeds, United Kingdom

Nib Soehendra, MD

Professor of Surgery
University of Hamburg Faculty of Medicine
Director
Department of Interdisciplinary Endoscopy
University Hospital Hamburg
Hamburg, Germany