

Reoperative Pelvic Surgery

Reoperative Pelvic Surgery

Edited By

Richard P. Billingham, MD

Director, Colon and Rectal Surgery, Swedish Cancer Institute; Clinical Professor, Department of Surgery, University of Washington, Seattle, WA, USA

Kathleen C. Kobashi, MD

Head, Department of Urology and Renal Transplantation, Virginia Mason Medical Center, Seattle, WA, USA

William A. Peters III, MD

Pacific Gynecology Specialists, Clinical Professor of Obstetrics and Gynecology, University of Washington, Seattle, WA, USA

Editors

Richard P. Billingham
Colon and Rectal Surgery
Swedish Cancer Institute
and
Department of Surgery
University of Washington
Seattle WA 98104
USA

Kathleen C. Kobashi
Department of Urology and Renal
Transplantation
Virginia Mason Medical Center
Seattle WA 98101
USA

William A. Peters III
Department of Obstetrics and
Gynecology
University of Washington
Pacific Gynecology Specialists
Seattle WA 98104
USA

ISBN 978-0-387-89998-5 e-ISBN 978-0-387-89999-2
DOI 10.1007/b14187
Springer Dordrecht Heidelberg London New York

Library of Congress Control Number: 2009921352

© Springer Science+Business Media, LLC 2009

All rights reserved. This work may not be translated or copied in whole or in part without the written permission of the publisher (Springer Science+Business Media, LLC, 233 Spring Street, New York, NY 10013, USA), except for brief excerpts in connection with reviews or scholarly analysis. Use in connection with any form of information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed is forbidden.

The use in this publication of trade names, trademarks, service marks, and similar terms, even if they are not identified as such, is not to be taken as an expression of opinion as to whether or not they are subject to proprietary rights.

While the advice and information in this book are believed to be true and accurate at the date of going to press, neither the authors nor the editors nor the publisher can accept any legal responsibility for any errors or omissions that may be made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

Printed on acid-free paper

Springer is part of Springer Science+Business Media (www.springer.com)

Preface

The impetus for this book came from the recent appearance of single specialty books pertaining to reoperative surgery on various organs in the pelvis, as well as from the recognition that several different disciplines are involved with the challenges of reoperative pelvic surgery. Surgeons often encounter challenging dilemmas involving organ systems that have historically been attended to by surgeons representing closely related but distinct specialty areas. With increasing sophistication and knowledge about management of anatomically adjacent organs by the specialties of gynecologic oncology, gynecology, urology, and colon and rectal surgery, as well as the emergence of specialty training programs in urogynecology and pelvic floor disorders, we thought it appropriate and timely to create a textbook acknowledging this increasing knowledge and interspecialty collaboration. To this end, where appropriate, we have included collaborative authors from each of the specialties, any of whom may be called upon to address a particular anatomic area. It seems inevitable that situations will arise in which the collaborative expertise of several separate specialties may converge to provide surgeons the benefit of the combined thought processes that would prove invaluable when such difficult problems are encountered.

With this in mind, the editors, from the fields of gynecologic oncology, urology, and colon and rectal surgery, identified experts in their own fields who could best contribute to the management of specific problem areas. For example, since reoperations for endometriosis may involve uterus, adnexae, ovaries, or the colorectum, the chapter concerning this condition has been coauthored by specialists in colorectal surgery and gynecologic oncology.

We have been fortunate to find experts who have collaborated to bring available evidence-based medicine, best demonstrated practices, and personal experience to their contributions. We are particularly indebted to Dr. Victor Fazio, who has given us an excellent overview of the principles of reoperative surgery, which are well worth reading carefully at any level of the reader's education. We would also like to thank Dr. William Curtis, Annie Cimino, Paula Callaghan, and Margaret Burns, of Springer, for their interest in and hard work organizing and editing this milestone project.

Richard P. Billingham, MD
Kathleen Kobashi, MD
William A. Peters, III

Contents

Preface	v
Contributors	ix
1 Introduction and Overview: Principles of Reoperative Pelvic Surgery	1
<i>Victor W. Fazio</i>	
2 Reoperations Within the First 30 Days After Pelvic Surgery	5
<i>Jeffery Nelson</i>	
3 Reoperation and Management of Postoperative Pelvic Hemorrhage and Coagulopathy ...	15
<i>Jennifer L. Young, Jason A. Lachance, Laurel W. Rice, and Eugene F. Foley</i>	
4 Reoperative Considerations After Laparoscopic Pelvic Surgery	23
<i>Marco J. Tomassi and Deborah Nagle</i>	
5 Laparoscopic Reoperative Surgery for Incompletely Staged Gynecologic Malignancies. ...	31
<i>Dan S. Veljovich</i>	
6 Reoperation for Endometriosis and Ovarian Remnants	43
<i>Neil S. Horowitz and H. Randolph Bailey</i>	
7 Pelvic Exenteration for Recurrent Pelvic Cancer	49
<i>Pamela Paley and Chirag Shah</i>	
8 Reoperation for Bladder Cancer	61
<i>Rou Wang, Nina Casanova, and Cheryl T. Lee</i>	
9 Reoperative Surgery for Prostate Cancer	81
<i>Christopher Amling and Douglass Clayton</i>	
10 Introduction to Reoperative Pelvic Surgery for Rectal Cancer	93
<i>Juan L. Poggio and W. Douglas Wong</i>	
11 Recurrent Pelvic Organ Prolapse	113
<i>Tristi Wood Muir</i>	
12 Recurrent Rectal Prolapse	145
<i>Harry T. Papaconstantinou</i>	
13 Suburethral Sling Failures and Complications	153
<i>Joanna M. Togami and J. Christian Winters</i>	

14	Reoperative Surgery for Anal Incontinence.	165
	<i>Christina J. Seo, Steven D. Wexner, and G. Willy Davila</i>	
15	Gastrointestinal Fistulas.	179
	<i>Herand Abcarian and Vivek Chaudhry</i>	
16	Urogenital Fistulas	199
	<i>David E. Rapp and Kathleen C. Kobashi</i>	
17	Complications of Urinary Diversion	213
	<i>Christopher Porter and Greg Hanson</i>	
18	Complications of Transurethral Surgery.	223
	<i>Rajiv Saini and Steven A. Kaplan</i>	
19	Reoperative Management of Fissure and Hemorrhoids	231
	<i>Martin Luchtefeld and Michael Ott</i>	
20	Reoperative Surgery for Inflammatory Bowel Disease.	243
	<i>Stephen R. Gorfine</i>	
21	Complications of Surgery After Pelvic Radiation.	277
	<i>Eugene K. Lee, Darren Klish, and Jeffrey Holzbeierlein</i>	
22	Reoperation for Diverticular Disease.	285
	<i>Michael J. Stamos and Zuri A. Murrell</i>	
23	Reoperative Surgery for Gastrointestinal Stomal Problems	289
	<i>Bruce A. Orkin and Farshid Araghizadeh</i>	
24	Reoperative Pelvic Surgery for Late Bowel Obstruction (After 30 Days)	307
	<i>Katharine W. Markell and Scott R. Steele</i>	
25	Reoperations for Bleeding	317
	<i>David E. Beck</i>	
26	Reoperative Surgery for Constipation or Dysmotility	329
	<i>Tracy L. Hull</i>	
	Index.	335

Contributors

Herand Abcarian, MD

Turi Josefsen Professor of Surgery, Department of Surgery, University of Illinois, Chicago, IL, USA

Christopher Amling, MD

Professor and Director, Division of Urology, University of Alabama, Birmingham, AL, USA

Farshid Araghizadeh, MD, FACS, FASCRS

Chief, Section of Colon and Rectal Surgery, Associate Professor, Department of Surgery, University of Texas Southwestern Medical Center, Dallas, TX, USA

H. Randolph Bailey, MD

Chief, Colon and Rectal Surgery, Director Emeritus, Residency Training Program/Colon and Rectal Surgery, University of Texas Medical School at Houston, Houston, TX, USA

David E. Beck, MD

Chairman, Department of Colon and Rectal Surgery, Ochsner Clinic Foundation, New Orleans, LA, USA

Nina Casanova, MD

Resident, Department of Urology, University of Michigan, Ann Arbor, MI, USA

Vivek Chaudhry, MD

Clinical Assistant Professor, Department of Surgery, University of Illinois at Chicago; Instructor, Department of Surgery, Rush University Medical Center, Chicago, IL, USA

Douglass Clayton, MD

Resident, Division of Urology, University of Alabama, Birmingham, AL, USA

G. Willy Davila, MD

Chairman, Department of Gynecology and Head, Section of Urogynecology and Reconstructive Pelvic Surgery, Cleveland Clinic Florida, Weston, FL, USA

Victor W. Fazio, AO, MB, MS, FRACS, FRACS (Hon), FACS, FRCS, FRCS (Ed)

Chairman, Digestive Disease Institute, Cleveland Clinic; Rupert B. Turnbull, Jr. MD, Chair, Professor of Surgery, Lerner School of Medicine Case Western Reserve University, Cleveland, OH, USA

Eugene F. Foley, MD, FACS

Professor, Section of Colon and Rectal Surgery, Department of Surgery, University of Wisconsin, Madison, Madison, WI, USA

Stephen R. Gorfine, MD, FACS, FACP, FASCRS

Clinical Professor of Surgery, Division of Colorectal Surgery, Mount Sinai School of Medicine, New York, NY, USA

Greg Hanson, MD

Fellow, Department of Urology, Virginia Mason Medical Center, Seattle, WA, USA

Jeffrey Holzbeierlein, MD

Associate Professor, Department of Urology, University of Kansas Medical Center, Kansas City, KS, USA

Neil S. Horowitz, MD

Assistant Professor, Department of Obstetrics and Gynecology; Director, Clinical Research, Division Gynecologic Oncology, Harvard University Medical School/Brigham and Women's Cancer Center, Boston, MA, USA

Tracy L. Hull, MD

Staff Surgeon, Department of Colon and Rectal Surgery, Cleveland Clinic Foundation, Cleveland, OH, USA

Steven A. Kaplan, MD

Professor, Department of Urology; Chief, Institute for Bladder and Prostate Health, Weill Medical College of Cornell University, New York, NY, USA

Darren Klish, MD

Resident, Division of Radiation Oncology, Department of Urology, University of Kansas, Kansas City, KS, USA

Kathleen C. Kobashi, MD

Head, Department of Urology and Renal Transplantation, Virginia Mason Medical Center, Seattle, WA, USA

Jason A. Lachance, MD, MSc

Department of Obstetrics & Gynecology, Marine Medical Center, Portland, ME, USA

Cheryl T. Lee, MD

Associate Professor, Department of Urology, University of Michigan, Ann Arbor, MI, USA

Eugene K. Lee, MD

Resident, Department of Urology, University of Kansas, Kansas City, KS, USA

Martin Luchtefeld, MD

Chairman, Department of Colon and Rectal Surgery, Spectrum Hospital, Ferguson Clinic, Michigan Medical PC, Grand Rapids, MI, USA

Katharine W. Markell, MD

Fellow, Department of Colon and Rectal Surgery, Northwest Colon and Rectal Clinic, Seattle, WA, USA

Tristi Wood Muir, MD

Director, Division of Female Pelvic Medicine and Reconstructive Surgery, Department of Obstetrics and Gynecology, University of Texas Medical Branch at Galveston, Galveston, TX, USA

Zuri A. Murrell, MD

Staff Surgeon, Division of Colorectal Surgery, Cedar-Sinai Medical Center, Los Angeles, CA, USA

Deborah Nagle, MD

Chief of Colorectal Surgery, Department of Surgery, Beth Israel Deaconess Medical Center, Boston, MA, USA

Jeffery Nelson, BS, MD

Chief, Colon and Rectal Surgery, Department of Surgery, Walter Reed Army Medical Center, Washington, DC, USA

Bruce A. Orkin, MD

Professor of Surgery, Tufts University, Chief, Division of Colon and Rectal Surgery, Tufts Medical Center, Adjuvant Professor of Surgery, The George Washington University in Washington, DC, Boston, MA

Michael Ott, MD, MSc

Assistant Professor, Department of General and Colorectal Surgery, University of Western Ontario; Director of Core Surgery, London Health Sciences Center, London, Ontario, Canada

Pamela Paley, MD

Staff Surgeon, Pacific Gynecology Specialists Seattle, Seattle, WA, USA

Harry T. Papaconstantinou, MD

Assistant Professor, Chief of Colon and Rectal Surgery, Department of Surgery, Scott and White Hospital and Clinic, Texas A&M University System Health Science Center, Temple, TX, USA

Juan L. Poggio, MD, MS

Clinical Research Fellow, Department of Surgery, Colorectal Service, Memorial Sloan-Kettering Cancer Center, New York, NY, USA

Christopher Porter, MD

Codirector of Urologic Oncology, Virginia Mason Medical Center, Seattle, WA, USA

David E. Rapp, MD

Fellow, Department of Urology, Virginia Mason Medical Center, Glen Allen, VA, USA

Laurel W. Rice, MD

Professor, Department Chairperson, School of Medicine and Public Health, Department Obstetrics and Gynecology, University of Wisconsin, Madison, WI, USA

Rajiv Saini, MD

Clinical Instructor, Department of Urology, Weill Medical College of Cornell University, New York, NY, USA

Christina J. Seo, MD

Clinical Associate, Department of Colorectal Surgery, Cleveland Clinic Florida, Weston, FL, USA

Chirag Shah, MD

Fellow, Gynecologic Oncology, Department of Obstetrics and Gynecology, University of Washington, Seattle, WA, USA

Michael J. Stamos, MD, FACS

Chief, Division of Colon and Rectal Surgery; Professor and Vice Chair, Department of Surgery, University of California Irvine Health Sciences, Orange, CA, USA

Scott R. Steele, MD, FACS

Chief, Colon and Rectal Surgery; Assistant Professor, Department of Surgery, USUHS, Madigan Army Medical Center, Tacoma, WA, USA

Joanna M. Togami, MD

Staff Urologist, Section of Female Urology and Voiding Dysfunction, Department of Urology, Ochsner Medical Center, New Orleans, LA, USA

Marco J. Tomassi, MD

Chief Surgical Resident, Department of General Surgery, Beth Israel Deaconess Medical Center, Boston, MA, USA

Dan S. Veljovich, MD

Clinical Assistant Professor, Swedish Medical Center; Gynecologic Oncologist, Pacific Gynecology Specialists, Seattle WA, USA

Rou Wang, MD

Resident, Department of Urology, University of Michigan, Ann Arbor, MI, USA

Steven D. Wexner, MD

Chairman, Department of Colorectal Surgery, Cleveland Clinic Florida, Weston, FL, USA

J. Christian Winters, MD

Professor and Chairman, Department of Urology; Director of Urodynamics and Female Urology, Ochsner Clinic Foundation, New Orleans, LA, USA

W. Douglas Wong, MD

Chief, Colorectal Service/Stuart H.Q. Quan Chair in Colorectal Surgery, Department of Surgery, Memorial Sloan-Kettering Cancer Center, New York, NY, USA

Jennifer L. Young, MD

Assistant Professor, Department of Obstetrics and Gynecology, Medical University of South Carolina, Charleston, SC, USA



<http://www.springer.com/978-0-387-89998-5>

Reoperative Pelvic Surgery

Billingham, R.; Kobashi, K.C.; Peters, W.A. (Eds.)

2009, XII, 347 p., Hardcover

ISBN: 978-0-387-89998-5