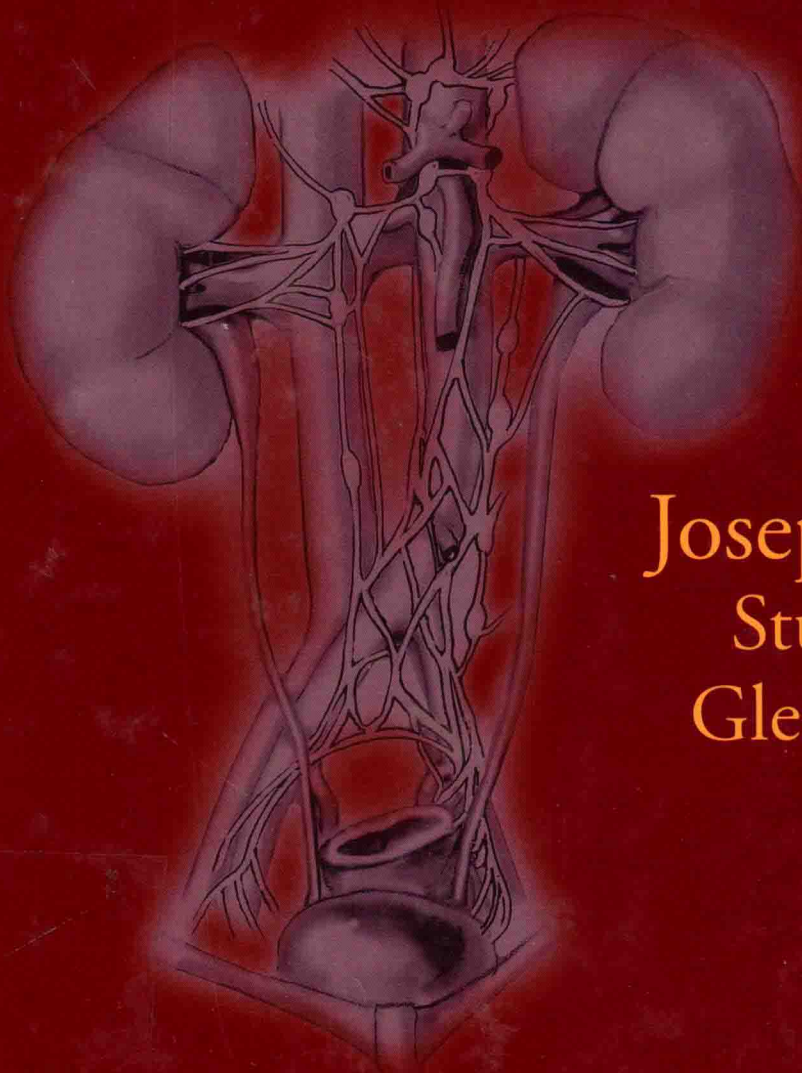


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Hinman's Atlas of
**UROLOGIC
SURGERY** THIRD
EDITION



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Hinman's Atlas of Urologic Surgery

Third Edition

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Dedication



The initial effort at producing a revised edition of *Hinman's Atlas of Urologic Surgery* was launched by Marty Resnick. It was only one of many contributions Marty made to urologic surgery, as he had an almost unparalleled impact on the specialty at many levels. His academic productivity and accomplishments significantly affected many aspects of patient care from management of stone disease to treatment of prostate cancer. He was an effective and visionary leader and served as President of the American Board of Urology and the American Urological Association. He functioned as editor of multiple publications including the *Journal of Urology*. Most important, though, Marty was a friend. The editors of the third edition of *Hinman's Atlas of Urologic Surgery* are pleased and honored to dedicate this text to the memory of Martin I. Resnick.

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- 42: *Reconstruction of Strictures of the Penile Urethra*;
43: *Reconstruction of Strictures of the Bulbar Urethra*;
44: *Reconstruction of Membranous Urethral Disruption Injuries*;
141: *Repair of Renal Injuries*

R. Dale McClure, MD

Clinical Professor of Urology
University of Washington School of Medicine
Attending Urologist
Virginia Mason Medical Center
Seattle, WA

- 47: *Testis Biopsy*

Edward J. McGuire, MD

Professor
Department of Urology
University of Michigan Health System
Ann Arbor, Michigan

- 37: *Urethral Prolapse-Caruncle*;
88: *Bulking Agents for Incontinence and Reflux*

Kevin T. McVary, MD

Department of Urology
Northwestern University Feinberg School of Medicine
Chicago, IL

- 74: *Suprapubic Prostatectomy*

Robert A. Mevorach, MD

Associate Professor of Urology and Pediatrics
University of Rochester School of Medicine
Golisano Children's Hospital
University of Rochester
Rochester, NY

- 13: *Postoperative Management*

Richard G. Middleton, MD

Department of Urology
University of Utah School of Medicine
Salt Lake City, UT

- 45: *York-Mason Repair of Recto-Urinary Fistula*

Douglas F. Milam, MD

Associate Professor of Urologic Surgery
Vanderbilt University
Attending Urologist
Vanderbilt University Medical Center
Nashville, TN

- 20: *Ilioinguinal Lymphadenectomy*;
21: *Laser Treatment of the Penis*;
46: *Direct Vision Internal Urethrotomy*;
71: *Transurethral Resection of the Prostate*;
72: *Transurethral Incision of the Prostate*;
73: *Laser Treatment of Benign Prostatic Disease*

Elizabeth A. Miller, MD

Department of Urology
University of Washington Medical Center
Seattle, WA

- 116: *Ureteroureterostomy and Transureteroureterostomy*

Nicole Miller, MD

Department of Urologic Surgery
Vanderbilt University School of Medicine
Nashville, TN

- 73: *Laser Treatment of Benign Prostatic Disease*;
131: *Percutaneous Renal Access*

Joshua K. Modder, MD

Wisconsin Institute of Urology
Appleton, WI

- 74: *Suprapubic Prostatectomy*

Ali Moinzadeh, MD

Assistant Professor of Urology
Tufts University School of Medicine
Director of Robotic Surgery
Lahey Clinic
Burlington, MA

- 11: *Basic Robotic Surgery*

Manoj Monga, MD, FACS

Professor of Urology and Biomedical Engineering
Cleveland Clinic Lerner College of Medicine
Case Western Reserve University
Director
Stevan Streem Center for Endourology and Stone
Disease
Cleveland Clinic
Cleveland, OH

- 119: *Ureteral Access*

Drogo K. Montague, MD

Glickman Urological Institute
Cleveland Clinic
Cleveland, OH

- 27: *Inflatable Penile Prosthesis Implantation*

James Montie, MD

Professor of Urology
University of Michigan
Ann Arbor, MI

- 100: *Principles of Continent Reconstruction*

Charles R. Moore, MD

Department of Urology
Forrest General Hospital
Hattiesburg, MS

- 149: *Robot-Assisted Laparoscopic Pyeloplasty*

Allen F. Morey, MD

Urology Center
Brooke Army Medical Center
San Antonio, TX

- 40: *Urethral Reconstruction: General Concepts*

Daniel M. Morgan, MD

Department of Obstetrics and Gynecology
University of Michigan at Ann Arbor
Ann Arbor, MI

38: *Cystocele Repair, Enterocoele Repair, and Rectocele Repair*

Shelby N. Morrisroe, MD

Urology Specialists of Southern California
Torrance, CA

91: *Transvesical Repair of Vesicovaginal Fistula*

Patrick W. Mufarrij, MD

Assistant Instructor
Department of Urology
Wake Forest School of Medicine
Winston-Salem, NC

165: *Laparoscopic Caliceal Diverticulectomy*

Ravi Munver, MD, FACS

Associate Professor
The University of Medicine and Dentistry of New Jersey
New Jersey Medical School
Newark, NJ
Chief, Minimally Invasive & Robotic Urologic Surgery
Hackensack University Medical Center
Hackensack, NJ

150: *Laparoscopic Live Donor Nephrectomy*

Christopher S. Ng, MD

Chief
Division of Urology
Cedars-Sinai Medical Center
Los Angeles, CA

8: *Methods of Nerve Block*

9: *Repair of Vascular Injuries*

Alan A. Nisbet, MD

Corpus Christi Urology Group
Corpus Christi, TX

19: *Total Penectomy*

†Andrew C. Novick, MD

Glickman Urological Institute
The Cleveland Clinic
Cleveland, OH

142: *Surgery for Renal Vascular Disease*

R. Corey O'Connor, MD

Associate Professor of Urology
Associate Residency Program Director
Medical College of Wisconsin
Milwaukee, WI

117: *Ileal Ureteral Replacement*

Zeph Okeke, MD

Assistant Professor
Hofstra University North Shore Long Island Jewish
School of Medicine

Hofstra University

Hempstead, NY

Attending Physician

Arthur Smith Institute for Urology

North Shore Long Island Jewish Health System

New Hyde Park, NY

140: *Surgery of the Horseshoe Kidney*

Raymond W. Pak, MD, PharmD

Medical Director of Robotic Surgery
Piedmont Hospital
Atlanta, GA

125: *Ureteroscopic Management of Transitional Cell Carcinoma*

Dipen J. Parekh, MD, MCh

Director of Robotic Surgery
Department of Urology
University of Texas Health Sciences Center
San Antonio, TX

18: *Partial Penectomy;*

104: *Ureterosigmoidostomy*

Margaret S. Pearle, MD, PhD

Professor of Urology and Internal Medicine
University of Texas Southwestern Medical Center
Dallas, TX

124: *Ureteroscopic Endopyelotomy*

Elise Perer, MD

Urology Specialists of Southern California
Torrance, CA

35: *Female Urethral Diverticulectomy*

Andrew C. Peterson, MD, FACS

Associate Professor of Urologic Surgery
Duke University
Durham, NC

114: *Ureteral Stricture Repair and Ureterolysis*

Courtney K. Phillips, MD

Assistant Professor
Department of Urology
The Mount Sinai Hospital
New York, NY

159: *Laparoscopic Simple Nephrectomy*

Ketsia Pierre, MD

Urology Specialists of Southern California
Torrance, CA

99: *Fecal Diversion*

Thomas J. Polascik, MD, FACS

Professor of Surgery
Director
Society of Urologic Oncology Program
Duke University Medical Center
Durham, NC

136: *Renal Cryosurgery*

Lee Ponsky, MD, FACS

Associate Professor
 Department of Urology
 Case Western Reserve University School of Medicine
 Director
 Center for Urologic Oncology and Minimally Invasive
 Therapies
 Leo and Charlotte Goldberg Chair in Advanced
 Surgical Therapies
 Urology Institute
 University Hospitals Case Medical Center
 Cleveland, OH

2: *Basic Surgical Techniques*;

3: *Basic Laparoscopy*;

4: *Suture Techniques*

John Pope, MD

Department of Pediatric Urology
 Vanderbilt Children's Hospital
 Nashville, TN

108: *Ureterocystoplasty*;

111: *Ureteroneocystostomy*

Glenn M. Preminger, MD

James F. Glenn Professor and Chief
 Urologic Surgery
 Duke University Medical Center
 Durham, NC

121: *Ureteroscopic Management of Ureteral Calculi*;

122: *Ureteroscopic Management of Renal Calculi*

Juan C. Prieto, MD

Pediatric Urology Fellow
 University of Texas Southwestern Medical Center
 Dallas, TX
 Pediatric Urologist
 Driscoll Children's Hospital
 Assistant Professor
 Texas A&M University
 Corpus Christi, TX

16: *Flaps in Hypospadias Surgery*

Ronald Rabinowitz, MD

Professor of Urology and Pediatrics
 Associate Chair
 Department of Urology
 University of Rochester School of Medicine and
 Dentistry
 Chief of Pediatric Urology
 Strong Memorial Hospital
 Rochester General Hospital
 Rochester, NY

13: *Postoperative Management*

David E. Rapp, MD

Clinical Fellow
 Urology and Renal Transplantation
 Virginia Mason Medical Center
 Seattle, WA

33: *Urethrovaginal Fistula Repair*

Shlomo Raz, MD

Reconstructive Surgery and Urodynamics
 The Geffen School of Medicine at UCLA
 Los Angeles, CA

34: *Bulbocavernosus Muscle and Fat Pad Supplement*

John F. Redman, MD

Professor of Urology and Pediatrics
 Department of Urology
 University of Arkansas College of Medicine
 Little Rock, AR

138: *Anatomy and Principles of Open Reconstructive Renal
 Surgery*

Lee Richstone, MD

The Smith Institute for Urology
 Long Island, NY

61: *Laparoscopic Retroperitoneal Lymph Node Dissection*

William W. Roberts, MD

Associate Professor
 Department of Urology
 University of Michigan Health System
 Ann Arbor, MI

134: *Transperitoneal Laparoscopic Access*

Michael J. Rosen, MD

Assistant Professor of Surgery
 Chief, Division of General and Gastrointestinal Surgery
 Case Medical Center
 Case Western Reserve University School of Medicine
 Cleveland, OH

7: *Mobilization of the Omentum*

Gregory S. Rosenblatt, MD

Minimally Invasive Urology Institute
 Cedars-Sinai Medical Center
 Torrance, CA

9: *Repair of Vascular Injuries*

Randall G. Rowland, MD, PhD

Professor of Surgery/Urology
 University of Kentucky
 Lexington, KY

102: *Ileocecal Reservoir*

Rajiv Saini, MD

Attending Urologist
 Brookdale University Hospital and Medical Center
 Brooklyn, NY

75: *Retropubic Prostatectomy*

Francisco J. B. Sampaio, MD, PhD

Rua Siqueira Campos
 Rio de Janeiro, Brazil

130: *Anatomical Basis for Renal Endoscopy*

Harriette M. Scarpero, MD

Department of Urology
 Vanderbilt University Medical Center
 Nashville, TN

82: *Excision of Vesical Diverticulum*;

83: *Cystolithotomy*

Douglas S. Scherr, MD

Associate Professor of Urology
The Ronald Stanton Clinical Scholar in Urology
Weill Medical College of Cornell University
Attending Physician
New York Presbyterian Hospital
New York, NY

96: *Ileal Conduit*

Peter N. Schlegel, MD

Department of Urology
New York Presbyterian Hospital
New York, NY

48: *Sperm Retrieval;*

53: *Spermatocectomy*

Neil D. Sherman, MD

Division of Urology
University of Medicine and Dentistry of New Jersey
New Jersey Medical School
Newark, NJ

112: *Psoas Hitch*

John Shields, MD

Miami, FL

149: *Robot-Assisted Laparoscopic Pyeloplasty*

Katsuto Shinohara, MD

Professor
Department of Urology
University of California, San Francisco
Attending Physician
Helen Diller Family Comprehensive Cancer Center
University of California, San Francisco
San Francisco, CA

70: *Cryotherapy*

Steven W. Siegel, MD

Center for Continence Care
Metropolitan Urologic Specialists
St. Paul, MN

94: *Neuromodulation*

Eila Skinner, MD

Department of Urology
Keck School of Medicine of the university of Southern
California
Los Angeles, CA

129: *Surgical Approaches for Open Renal Surgery*

Steven J. Skoog, MD, FAAP, FACS

Professor of Surgery and Pediatrics
Director of Pediatric Urology
Doernbecher Children's Hospital
Oregon Health and Science University
Portland, OR

24: *Penile Curvature in the Pediatric Patient*

Arthur D. Smith, MD

Professor of Urology
Hofstra University North Shore Long Island Jewish
School of Medicine
Hofstra University
Hempstead, NY
Chairman Emeritus
Attending Physician
Arthur Smith Institute for Urology
North Shore Long Island Jewish Health System
New Hyde Park, NY

140: *Surgery of the Horseshoe Kidney*

Joseph A. Smith, Jr., MD

William L. Bray Professor and Chairman
Department of Urologic Surgery
Vanderbilt University School of Medicine
Nashville, TN

1: *Surgical Basics;*

69: *Robotic-Assisted Laparoscopic Prostatectomy*

Warren T. Snodgrass, MD

Professor of Urology
University of Texas Southwestern Medical Center
at Dallas
Chief of Pediatric Urology
Children's Medical Center
Dallas, TX

15: *Decision-Making in Hypospadias Surgery*

Hooman Soltanian, MD, FACS

Assistant Professor of Plastic Surgery
Case Western Reserve School of Medicine
Chief
Division of Breast Plastic Surgery
Case Medical Center
Cleveland, OH

5: *Plastic Surgical Techniques*

Rene Sotelo, MD

Director
Robotic and Minimally Invasive Surgery
Department of Urology
Instituto Médico la Floresta
Caracas, Venezuela

126: *Laparoscopic Ureterolithotomy*

J. Patrick Spirnak, MD

Department of Urology
Metro Health Medical Center
Cleveland, OH

118: *Open Ureterolithotomy*

William D. Steers, MD

Department of Urology
University of Virginia School of Medicine
Paul Mellon Professor and Chair
University of Virginia Hospital
Charlottesville, VA

26: *Insertion of Flexible Prosthesis;*

29: *Procedures for Peyronie's Disease*