

Operative Atlas of Laparoscopic Reconstructive Urology

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Edited by

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 Springer

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This book is fondly dedicated
to our teachers and trainees,
who inspired us,
and
our patients,
for their immense faith.

Foreword

Arthur D. Smith



This new *Operative Atlas of Laparoscopic Reconstructive Urology* is the ideal reference book for residents and fellows as it has step-by-step pictures and only the essential prose.

It is conveniently divided into eight clinical sections, with a ninth section outlining training exercises. The major part of the book is illustrated with magnificent photographs and diagrams depicting every step of a particular procedure.

Section I is devoted to instrumentation, access, and exit from the abdomen. The instruments are clearly shown and have been photographed from both outside and inside the abdomen.

Sections II to IV demonstrate accepted laparoscopic techniques that are becoming the new gold standard in urology. Outcome analyses show that with laparoscopy one can achieve the same oncologic success as with open surgery but with less morbidity.

Although there are 21 contributors to this textbook, Dr. Ramalingam has ensured that there is minimal repetition and a uniformity of style.

Every laparoscopist should aim to emulate the pictures in this atlas, as they reflect clear visualization of the anatomy of the operative site, which is the basic requirement for all surgery. I believe that no new techniques should be performed without prior practice in the laboratory. The final section of this atlas is devoted to a series of exercises or training sessions for the would-be laparoscopist. It will undoubtedly prepare them for the “real thing.”

I highly recommend this atlas as it gives the reader a clear picture of exactly what should be done, and the rest is up to them!

Arthur D. Smith
Editor, *Journal of Endourology*
Former President, *Endourology Society*
Chairman, *Department of Urology*
Long Island Jewish Medical Center
New Hyde Park, NY

Foreword

Ganesh Gopalakrishnan



Dr. Ramalingam has done it again. After producing comprehensive CDs of high standard on the basics of laparoscopic urologic surgery, he has now launched this wonderfully illustrated book, *Operative Atlas of Laparoscopic Reconstructive Urology*, devoted purely to reconstructive laparoscopic urologic procedures.

I personally know the amount of time and hard work that has been put into producing this book. He has managed to get a large number of reputed national and international authors to help him in this venture.

The accompanying DVD is an informative addition. It comprises videos of commonly done procedures such as laparoscopic pyeloplasty, laparoscopic partial nephrectomy, laparoscopic radical prostatectomy, and robot-assisted laparoscopic radical prostatectomy in a step-by-step manner. I feel very happy and at the same time a bit embarrassed that he has asked me to write a foreword to this book, as I

myself have very average laparoscopic skills. I wish Dr. Ramalingam all the very best in the future and I would recommend that this book be kept as a primer in all urologic departments.

Ganesh Gopalakrishnan
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Department of Urology
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Vellore, Tamil Nadu, India

Preface

Laparoscopic urology has become routine in many centers for ablative procedures such as radical nephrectomy. Uro-oncologic procedures such as adrenalectomy, partial nephrectomy, nephroureterectomy, retroperitoneal lymph node dissection, radical cystectomy, and radical prostatectomy are done by skilled laparoscopic urologists in a few centers.

With experience in precise suturing, indications for laparoscopic reconstructive urology are increasing. It looks as though most of the reconstructive procedures in the kidney, ureteropelvic junction (UPJ), ureter, bladder, and prostate are technically possible laparoscopically in skilled hands. Technical advances such as bioadhesives, absorbable longitudinal and circumferential staplers, refined suturing devices, steerable multifunctional laparoscopic instruments, laser welding, three-dimensional visualization, and robotics, which will facilitate laparoscopic reconstruction, remain a dream in developing countries. Hence there is a need for training in intracorporeal suturing, as without good training in suturing techniques these skills cannot be practiced on patients. An intensive animal laboratory training program in suturing will help practitioners gain confidence. We believe that a good laparoscopic training aiming at improving skills especially in suturing and knotting will definitely go a long way to achieving the goal of learning to perform laparoscopic procedures.

This book contains sequential pictures for most of the reconstructive urology procedures. Illustrations for each chapter come from a single case, except in one or two situations where an illustration comes from a similar case or a diagrammatic representation has been added. Illustrations of laparoscopic-assisted procedures such as ileal conduit, ileal ureter, orthotopic neobladder, and ileocystoplasty have been included. These are major and complex reconstructive procedures if done entirely by laparoscopy. Laparoscopic-assisted procedures reduce the operative time, and average-skilled laparoscopic urologists may attempt these procedures comfortably.

A DVD with comments showing the video of laparoscopic pyeloplasty, laparoscopic partial nephrectomy, laparoscopic radical prostatectomy, robot-assisted radical prostatectomy, laparoscopic-assisted orthotopic neobladder, and laparoscopic sacrocolpopexy has been included.

Some unusual situations or complications have been highlighted under the headings “Special Situations” or “Problem and solutions,” with illustrations and pictures where appropriate.

This comprehensive book in an atlas format, with as many pictures as possible from renowned authors with a wealth of experience across the globe, will give some insight to laparoscopic reconstructive urology. This book is written with the fond hope that many more urologists will undertake such procedures.

Manickam Ramalingam
Vipul R. Patel

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We also wholeheartedly thank Dr. Clarence Lei Chang Moh (consultant urologist, Malaysia) and Mrs. Hema Pai for their patient proofreading.

Finally, this book would not have been possible without the continued encouragement of our family members.

Manickam Ramalingam
Vipul R. Patel

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