

Hinman's Atlas of Pediatric Urologic Surgery

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Hinman's Atlas of Pediatric Urologic Surgery

2nd Edition

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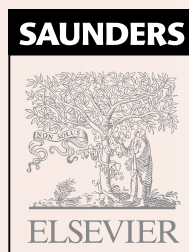
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Dedication

This atlas is dedicated to the pioneers who developed the procedures of the now established subspecialty of pediatric urology, to the clinicians and teachers who practice and teach them, and to the children who have gained so much from their efforts.

Special thanks to my family, Miriam, Joshua, Avi, and Rachel.

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Foreword to the Second Edition

Former Surgeon General C. Everett Koop is sounding another theme in his multifaceted career: that the country must produce a “new kind of doctor for the 21st century.” By strengthening each new physician’s awareness of the tenets of Hippocratic medicine, we can elevate the ethics of the physician of the future. He wants to provide opportunities in the curriculum to reintroduce students to the humanistic values that have been forgotten in modern health care delivery. “We have got to find a way of having better listeners and better communicators in the medical profession.”

That “new kind of physician” has been serving as a role model for our generation of urologists, and several before, in the person of Frank Hinman, Jr. To say that Frank has balanced the art and science of medicine is an understatement. He has taken the practice of urology to the ultimate rewards of personal satisfaction, a “true Renaissance man.” In the private practice of urology in the San Francisco area for his lifetime, he has an army of devoted patients who recognize the confidence of his great scientific knowledge and the art of caring and providing that human element to their relationship.

Frank Hinman is the son of a pioneer in urology; his father clearly had a significant influence as a role model for becoming the “complete urologist.” After an impeccable school experience at Stanford and Johns Hopkins, he moved into a medical internship at Hopkins and a surgical residency at Cincinnati; this was interrupted by active duty in the Navy on the carrier *Intrepid* in the Pacific. After his discharge in 1946, he returned to the University of California, San Francisco for urology training under his father.

Besides every important urologic organization in the world, he has served as a Trustee for the American Board of Urology, with the Residency Review Committee for Urology,

and on the Advisory Council at the National Institutes of Health. He received the Pediatric Urology Medal from the American Academy of Pediatrics Urology Section and the St. Paul’s Medal from the British Association of Urologic Surgeons. He has also served as a Regent of the American College of Surgeons. He has been recognized by his peers with the Hugh Hampton Young Award, as well as the Ramon Guiteras Award from the American Urological Association and the Barringer Medal from the American Association of Genitourinary Surgeons.

Besides *Hinman’s Atlas of Pediatric Urologic Surgery*, he has produced *Atlas of Urologic Surgery*, an atlas of urological anatomy, a tome on benign prostatic hypertrophy, and one on hydrodynamics of micturition.

His expertise in urology has been so varied that nearly every subspecialty ranks Frank Hinman as one of its “founders.” His contributions to the advancement of our urologic knowledge are legend. Among the topics are BPH, reconstruction, urodynamics, voiding dysfunction, hydronephrosis, infection, and nearly every issue in pediatric urology.

This atlas is compiled in a unique manner that only Frank Hinman could direct. Those who have contributed to the individual procedures have added their comments, especially the “pitfalls.” The clarity of Paul Stempen’s illustrations provides a sequenced approach to accomplishing our surgical goals. This should prove to be a most useful addition to the future dispersion worldwide of pediatric urology, a subspecialty of urology that is now firmly established thanks to the advice, leadership, wisdom, and caring of a great man: Frank Hinman, Jr.

John Duckett, 1992

Foreword to the First Edition

In every area of surgical practice, there is a balance to be struck between the generalist and the specialist; between those with a broad experience of many aspects of disease and those who, by narrowing their field, gain a deeper understanding; between those who, when faced with newly emerging problems, adapt the techniques developed in previously encountered circumstances and those who would study them *de novo*. Modern surgery has inexorably progressed toward specialization despite the very justifiable warnings issued at every stage by an older generation of the dangers of fragmentation and surgical tunnel vision. As a specialty, pediatric urology has been little more than 40 years in the making; its emergence now seems inevitable even though there have been many attempts to keep it within a wider fold. It has grown less by the giving off of a segment of general urology than by the discovery of new opportunities for the correction of disorders previously unrecognized or deemed untreatable. A generalist perusing this book cannot fail to be impressed by the rapidly expanding scope, and the excitement, of this specialty.

It is a truism that the techniques of operative surgery cannot be learned from books alone, that practical experience in the operating theatre is indispensable. But for those who have already acquired the basic skills and already have knowledge of urinary tract disease, there is an enormous amount that can be learned from the precise descriptions and lucid illustrations in this volume. Even those engaged

primarily in the practice of pediatric urology will find there is much their colleagues can teach them; the general urologists will find much more.

This is a very specialized treatise, but we must still preserve the balance; the amount of operative surgery required for children will always be small compared to that needed for adults. Urologists devoting their whole time to pediatrics will always be relatively few, meaning they cannot be everywhere available when a child's condition demands intervention; knowledge of the techniques employed in the specialty must be widely accessible. There is no one better to meet this challenge and strike the proper balance between the general and the special than the author of this book. Frank Hinman has been in the business of pediatric urology since its earliest days, but he has never lost touch with the mainstream of his department. As an able clinician he has taught successive generations of urologists and has represented the interests of the specialists amongst the generality of surgeons. He is a statesman in our profession. As an old friend and admirer, I congratulate him and Paul Stempen, his incomparable artist, on yet another achievement. I warmly recommend this book to all who would embark on the fascinating task of setting to rights the developing urogenital tract.

David Innes Williams

Preface to the First Edition

Fewer than 500 urologists worldwide limit their practice to children. However, most other urologists perform some pediatric operations, and an appreciable number cite pediatric urology as a field of special interest. A source of surgical instructions is not currently at hand either for the simpler pediatric procedures performed by the generalist or for the more complicated ones by the subspecialist. Because of the preponderance of the 1989 *Atlas of Urologic Surgery*, which served as a guide for adult operations, it seemed logical to develop a work focusing on the pediatric aspects of urologic surgery.

Many of the procedures and precautions described in this volume were learned while the author was Chief of Urology at the Children's Hospital of San Francisco and San Francisco General Hospital, and many have come from publications, presentations, and discussions with colleagues in the Urology Section of the American Academy of Pediatrics (AAP) and the Society for Pediatric Urology (SPU). The chapters were selected to include all of the common procedures plus many of the new techniques coming into use in children's centers. Each is presented in a step-by-step manner, with an illustration drawn as viewed at the table by a surgically oriented illustrator, Paul H. Stempen. The result is that each operative step has both an illustration and straightforward directions on what to do as well as what not to do.

A preliminary section explains the structural and functional differences between adults and children, with the special problems associated with fluid balance, anesthesia, and intraoperative care. Another describes the special techniques involved in operating on neonates and infants and the problems of postoperative care. The remainder of the

volume is divided into sections for each organ, each containing detailed illustrations accompanied by a description of the operation, extending from procedures for the kidney to those for the penis. Most of the new pediatric operations are included, and, in addition, much of the relevant material from our 1989 *Atlas* has been appropriately adapted.

The authority of the book is guaranteed by the inclusion of commentaries for each operation written by prominent pediatric urologists selected from the membership of the SPU and the Urology Section of the AAP. These commentators have reviewed and corrected the text and illustrations, verified the accuracy of the description, and written a critique from the perspective of their own experience.

Although the descriptions of operations in this volume are as accurate as possible, the surgeon cannot put the book on a Mayo stand at the operating table and just follow directions. Pediatric surgery is demanding. It requires special training and special skills, both because of the complexity of the operations and because of the size and delicacy of the tissues in children. For genital operations in particular, training must be gained under the guidance of an accomplished pediatric urologist.

The book should be especially useful for the experienced subspecialist confronted with an operation done infrequently, for the young urologist in training, and for the other urologists who are interested in expanding their pediatric repertoire with new procedures and with new insights into older ones.

Frank Hinman, Jr.
February 15, 1994

Acknowledgments

The value of this atlas to the practicing urologist, whether just starting in training or later in the midst of a career, when confronted with a new surgical problem, owes much to the late Paul Stempen. He illustrated every step of each operation so clearly with his attractive line drawings that, when you combine them with the straightforward instructions in the text, the operation must run smoothly. We also thank Jeanne Koelling for continuing in the brilliant tradition of Paul Stempen in adding new illustrations as our specialty evolves with new operations.

For the final accuracy of both the figures and the descriptions, we thank the outstanding cadre of commentators, drawn from the top rank of the subspecialty. Their supervision makes this atlas “authoritative.”

We appreciate the generous assistance given us by all the members of the Department of Urology at the University of California, San Francisco, first under Emil A. Tanagho and, more recently, under Peter A. Carroll. Thanks go to our former Chief of Pediatric Urology, Barry A. Kogan, now chief in Albany, New York, as well as our inquisitive urology residents and fellows. A special thanks to Claire Brett, Professor of Anesthesia at UCSF for extensive help revising the perioperative and anesthetic sections. Finally, special thanks to Arlene Loui and Jeanne Dea for their tireless assistance.

Laurence S. Baskin

Frank Hinman, Jr.

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