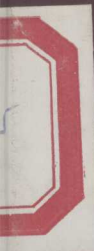


Volume 5

Advances in
Urology[®]

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Preface

Volume 5 of *Advances in Urology* marks the fifth year of this series that is designed to bring to the urologist succinct, in-depth discussions of subjects that represent recent progress in the field. The editorial board makes every effort to select material that is pertinent to the practice of the specialty or that might help bring the practitioner up to date in an area of basic science that is clinically relevant.

This volume deals with a number of topics: cancers of the kidney and bladder, urinary infections, bladder dysfunction, genital prolapse in women, urethral strictures, and advances in the management of infertility.

Drs. Klein and Novick describe their extensive experience with partial nephrectomy for renal cell cancer. They discuss some of the controversial issues such as whether enucleation of a tumor is as effective as partial resection. They have made some very interesting, new observations on the effects of partial nephrectomy on long-term renal function in their patients that may be caused by glomerular hyperfiltration in the renal remnant.

Drs. Whang and Benson review the techniques and results of flow cytometry and how these techniques may be applied to the evaluation of patients with cancer. This is an important and relatively new modality for assessing the biologic potential of a tumor, and urologists need to be familiar with its current uses and limitations.

Drs. Waples and Messing provide an in-depth discussion of stage T1, grade 3 bladder cancers. They review the outcomes after a variety of available treatment options. This chapter should be very helpful for the physician who is presented with this problem.

Dr. Raz and his associates have written an excellent and informative account on the functional anatomy of the pelvic floor in the female as a prelude to the evaluation and management of women with vaginal prolapse. The relationship of anterior prolapse to stress urinary incontinence is discussed, and the various forms of repair and their rationale are well described. This chapter should be helpful to any physician with an interest in female urology.

Dr. Schaeffer has written an excellent review on the management of urinary tract infections. He brings us up to date on the pharmacology of the fluoroquinolones and discusses their particular advantages in the treatment of urinary tract infections. The management of bacterial prostatitis also has been updated.

Dr. Bagley, who has been a leader in the development of flexible ureteropyeloscopy, describes some of the advantages and limitations of this diagnostic modality. As he points out, this instrument is still not fully developed. It is important for urologists to be familiar with the state-of-the-art with regard to endoscopic access to the ureter and kidney.

Dr. McGuire has written a pragmatic and insightful review of detrusor

instability. This should be helpful to the urologist in the management of patients who often present with this difficult therapeutic problem.

Dr. Appell, who has been a leader in the development of injection therapy for incontinence in both men and women, describes his experience with collagen injections. Collagen injection will become an important modality for the management of patients with incontinence, since it is something that can be performed under a local anesthetic in an office setting. Collagen hopefully will shortly be approved for general use by the FDA. Dr. Appell's timely article should place the use of this material in perspective.

Dr. Webster, who has had an extensive experience in the treatment of urethral strictures, describes the current management of this pathologic entity. Whereas strictures now occur less frequently, their operative repair represents a significant challenge to the urologist. I think that Dr. Webster's essay should be of great value to the urologist who deals with this problem.

The last three articles by Drs. Buch, Meacham, and Goldstein and their colleagues deal with a number of important advances in the treatment of the infertile couple. Dr. Buch clearly outlines the role of testis biopsy in the investigation of male infertility. Dr. Meacham discusses the use of transrectal ultrasound in the diagnosis of unusual conditions in patients with infertility. Drs. Cohen, Schlegel, and Goldstein provide an excellent account of an exciting new method of treatment for patients with serious defects in sperm function. Sperm from patients with low counts, poor motility, and abnormal morphology have been used for in vitro fertilization. Ova that have undergone partial zonal dissection are used or the sperm is injected through a microneedle underneath the zonal layer to achieve fertilization. This is indeed a fascinating new area of research in urology.

I think that urologists will find the reviews in volume 5 both stimulating and interesting.

Bernard Lytton, M.B., F.R.C.S.

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