

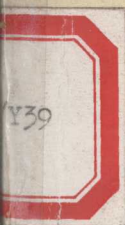
1986
The Year Book of
UROLOGY

Editors
Jay Y. Gillenwater, M.D.

Stuart S. Howards, M.D.



1989年11月11日



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Jay Y. Gillenwater, M.D.

*Professor and Chairman, Department of Urology, University of Virginia
School of Medicine*

Stuart S. Howards, M.D.

Professor, Department of Urology, University of Virginia School of Medicine



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Table of Contents

The material covered in this volume represents literature reviewed up to January 1986.

Journals Represented	9
Introduction	11
ADULT	19
1. STANDARD DIAGNOSTIC CONSIDERATIONS	21
2. IMAGING	23
3. WOUND HEALING	29
4. URINARY TRACT INFECTION.	31
5. PAIN MANAGEMENT.	45
6. LASERS.	47
7. MALIGNANCY :	51
8. CALCULI	55
9. PERIOPERATIVE MANAGEMENT	65
10. KIDNEY TRAUMA.	67
11. ADRENALS	71
12. KIDNEYS AND URETERS	79
13. RENAL NEOPLASMS.	87
14. PERCUTANEOUS STONE REMOVAL	93
15. URETEROSCOPY	101
16. EXTRACORPOREAL SHOCK WAVE LITHOTRIPSY	105
17. RENAL CYSTIC DISEASE	107
18. HYDRONEPHROSIS	113
19. RENAL TRANSPLANTATION	123
20. HYPERTENSION AND VASCULAR DISEASE.	135
21. BLADDER.	139
22. NEUROGENIC BLADDER	143
23. INFLAMMATORY DISEASE.	153
24. BLADDER CANCER	159
25. URINARY DIVERSION	183
26. PROSTATE AND BENIGN PROSTATIC HYPERTROPHY.	199
27. PROSTATE CANCER	211
28. PROSTATITIS	235
29. INFERTILITY.	237
30. URETHRA.	251
31. GYNECOLOGY FOR UROLOGISTS	257
32. TESTES AND SCROTUM.	261
33. PENIS	277
34. CARCINOMA OF THE PENIS	291

PEDIATRIC	293
35. CONGENITAL GENITAL ANOMALIES	295
36. NEONATAL UROLOGY	297
37. ANOMALIES OF THE KIDNEY	301
38. ANOMALIES OF THE URETER	307
39. VESICoureTERAL REFLUX	309
40. URINARY TRACT RECONSTRUCTION	319
41. URETHRAL ANOMALIES	325
42. MYELOMENINGOCELE AND NEUROPATHIC BLADDER	331
43. HYPOSPADIAS	333
44. SCROTUM AND TESTES	337
45. PEDIATRIC ONCOLOGY	345
46. OUTPATIENT PEDIATRIC UROLOGY	357
8. CALCULI	357
9. PERIOPERATIVE MANAGEMENT	357
10. KIDNEY TRAUMA	357
11. ADRENALS	357
12. KIDNEYS AND URETERS	357
13. RENAL NEOPLASMS	357
14. PERCUTANEOUS STONE REMOVAL	357
15. URETEROSCOPY	357
16. EXTRACORPOREAL SHOCK WAVE LITHOTRIPSY	357
17. RENAL CYSTIC DISEASE	357
18. HYDRONEPHROSIS	357
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20. HYPERTENSION AND VASCULAR DISEASE	357
21. BLADDER	357
22. NEUROGENIC BLADDER	357
23. INFLAMMATORY DISEASE	357
24. BLADDER CANCER	357
25. URINARY DIVERSION	357
26. PROSTATE AND BENIGN PROSTATIC HYPERTROPHY	357
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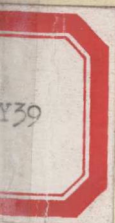
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30. URETHRA	357
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Acta Radiologica (Diagnosis) (Oncology)
 Acta Urologica Japonica
 Age and Ageing
 American Journal of Kidney Diseases
 American Journal of Medicine
 American Journal of Obstetrics and Gynecology
 American Journal of Roentgenology
 American Journal of Surgery
 Annals of Internal Medicine
 Anesthesiology
 Archives of Internal Medicine
 Archives of Pathology and Laboratory Medicine
 Archives of Surgery
 British Journal of Plastic Surgery
 British Journal of Radiology
 British Journal of Surgery
 British Journal of Urology
 British Medical Journal
 Canadian Journal of Surgery
 Cancer
 Cancer Treatment Reports
 Clinica Chimica Acta
 Clinical Nephrology
 European Urology
 Fertility and Sterility
 Fortschritte Auf Dem Gebiete Der Rontgenstrahlen Und Der Nuklearmedizin
 Erganzungsband
 Genitourinary Medicine
 Hospital Practice
 Infection and Immunity
 International Surgery
 Journal de Radiologie
 Journal of the American Medical Association
 Journal of Antimicrobial Chemotherapy
 Journal of Computer Assisted Tomography
 Journal of Nuclear Medicine
 Journal of Pediatric Surgery
 Journal of Pediatrics
 Journal of the Royal College of Surgeons of Edinburgh
 Journal of Trauma
 Journal of Urology
 Kidney International
 Lancet
 Mayo Clinic Proceedings
 Nature
 Nephron
 New England Journal of Medicine
 Obstetrics and Gynecology
 Pain
 Pediatric Radiology
 Pediatrics

Postgraduate Medical Journal
 Prostate
 Radiology
 Reviews of Infectious Diseases
 Scandinavian Journal of Urology and Nephrology
 Schweizerische Medizinische Wochenschrift
 Surgery
 Transplantation
 Urologia Internationalis
 Urology
 World Journal of Urology
 Zeitschrift fur Kinderchirurgie

Introduction

The 250 digests in the 1986 YEAR BOOK OF UROLOGY were selected from more than 2,600 articles reviewed to provide a quick reference source for the latest literature. All abstracts were selected for their clinical relevance. The order of presentation follows that of the forthcoming textbook *Adult and Pediatric Urology*, edited by Jay Y. Gillenwater, John Grayhack, Stuart S. Howards, and John Duckett. *Adult and Pediatric Urology* will be updated annually by the YEAR BOOK OF UROLOGY.

We found five of this year's digests to be of particular interest. Lange and associates of Minneapolis, Minnesota (Digest 13-6), reported on studies in mice using monoclonal antibodies to human renal cell carcinoma labeled with ^{131}I , used successfully to locate and treat renal cell carcinoma. In the three mice receiving radioimmune therapy, experiments showed significant inhibition of tumor growth, which was maintained for 70 days.

Reeders and associates of Oxford, England, identified a highly polymorphic DNA marker on chromosome 16 linked to adult polycystic disease (Digest 17-1). This is a significant discovery that should allow us to better define the natural history of adult polycystic disease.

Smith and associates of Kansas City, in a retrospective study of 40 patients with uninephrectomy followed for 11.8 years, found no measurable deterioration of renal function (Digest 12-2).

Kinsella and associates of the National Cancer Institute in Bethesda, Maryland, reviewed the experience with intraoperative radiotherapy (Digest 7-2). With this technique the radiation is delivered directly to the tumor, allowing shielding of adjacent organs. The limiting factor appears to be peripheral nerve toxicities (2,000 to 2,500 rads). Single-dose administration gives two to three times the effect of fractional therapy per rad dose. Eighty percent of patients with bladder cancer treated with intraoperative radiotherapy had local control at 5 years.

Kaude and associates (Digest 16-1) from Gainesville, Florida, evaluated renal morphology and function in 33 patients immediately after extracorporeal shock wave lithotripsy. Thirty-seven percent had ureteral obstruction from stone fragments. Total renal blood flow was not changed by the shock waves. Quantitative radionuclide renography showed partial parenchymal obstruction in 25% and total parenchymal obstruction in 22%. Magnetic resonance imaging detected some abnormalities in 63%, all of which were minor (subcapsular hematomas and perirenal fluid collection).

Many other noteworthy articles appeared in 1985. Harvey and associates of Bethesda, Maryland, and Hartford, Connecticut, found a 2.4-fold risk of childhood cancer associated with low-dose prenatal x-ray exposure (Digest 2-1).

Cramer and associates of Montreal (Digest 2-2) found, in a controlled prospective study on patients having CT scans with and without contrast administration, that there was no difference in renal function. Renal impairment was seen in 2.1% of the patients with contrast and 1.3% of those without contrast. This suggests that previous studies without controls may have overestimated the renal impairment seen with contrast administration.