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Treatment & Research Achievements

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|-----------|--------------------------------------------------------------------------------------------------------------------------------|
| 1943-1949 | Techniques of Radical Cystectomy and Pelvic Lymphadenectomy |
| 1952 | Dr. Myron Melamed Describes Carcinoma-In-Situ of the Urothelium |
| 1956 | Technique of Urethrectomy |
| 1959 | Preoperative Irradiation and Radical Cystectomy |
| 1973 | Technique of In-Continuity Urethrectomy during Radical Cystectomy |
| 1974 | Outpatient Cystoscopy and Fulguration of Recurrent Superficial Papillary Bladder Tumors |
| 1975 | Identification and Characterization of Tumor-Associated Antigens |
| 1979 | Diagnostic Value of Urinary Cytology and Flow Cytometry |
| 1979-1984 | Intravesical Bacillus Calmette-Guerin (BCG) for Superficial Bladder Tumors and Randomized Trials of BCG, used for FDA Approval |
| 1981 | Ureteroscopic Destruction of Upper Tract Tumors |

Year	Contributions in Treatment and Research
1983-1992	Conducted M-VAC Chemotherapy and Radical Cystectomy
1983-1992	M-VAC Chemotherapy Cures Transitional Cell Carcinoma
1983-1995	Bladder-Sparing Strategies for Invasive Bladder Cancer
1989	Prognostic Significance of Lewis Blood Group Antigen
1989-1999	G-CSF Effective with M-VAC Chemotherapy Prognostic Factors Identified
1992-1999	Molecular Analysis (Rb, p53, mdm22, p16, p21, INK4A)
1995-1999	ITP Chemotherapy Improves Survival. and Post-Chemotherapy Surgery Found Beneficial
1997	New Staging for Bladder Cancer (Generated by Memorial Sloan Kettering's Department of Urology and Pathology) Adopted by AJCC/UICC
2003-2005	Defined Survival Benefit Related to the Quality of the Pelvic Lymph Node Dissection in Patients Undergoing Radical Cystectomy Defined Refractory Carcinoma-In-Situ

Prostate Cancer

Contributions in Treatment and Research

1950-1960	Ablative Surgery Adrenalectomy Exenteration for Locoregional Cancers
1970	Whitmore Staging System (AJCC) Technique of Retropubic I125 Implantation Natural History Defined
1974	Flutamide Polyamine
1993	Cloning of PSMA Gene Prostate-Specific Monoclonal Antibodies Neoadjuvant Hormonal Therapy and Radical Prostatectomy Three-Dimensional Conformal Radiation Therapy with Intensity Modulation
1995	Flutamide Withdrawal Syndrome
1999	Prognostic Nomograms Nerve Grafts with Radical Prostatectomy Quality of Life, Utility Assessment
2004-2006	Surgeon as an Independent Predictor of Outcomes

Testis Cancer

Contributions in Treatment and Research

1960	Technique of Retroperitoneal Lymph Node Dissection
1972-7980	Cisplatin-Based Combination Chemotherapy VAB-I through VAB-VI Protocols Hydration for High-Dose Cisplatin Chemotherapy Salvage Surgery Post-Chemotherapy Adjuvant Chemotherapy
1979	Surveillance for Stage I Nonseminomatous Germ Cell Testis Tumors
1983	Risk-Adjusted Treatment Strategies Salvage Chemotherapies
1988	Marker Gene I(12)p
1997	Staging System Incorporating Tumor Markers Defined Mechanism of TP53 Mutations and Resistance

Renal Cancer

Contributions in Treatment and Research

1949	Technique of Radical Nephrectomy
1975	Tumor Vaccine Developed Monoclonal Antibodies
1979	Partial Nephrectomy in Patients with Normal Contralateral Kidney
1997	Histologic and Molecular Genetic Classification
1998	Randomized Trials of Cis-Retinoic Acid \pm Interferon
1997-2000	Prognostic Factors and Nomogram
2006	Partial Nephrectomy Prevents Chronic Kidney Disease

Penile And Urethral Cancer

Contributions in Treatment and Research

1956	Technique of Radical Groin Dissection
1983	Extended Radical Excision (Pubectomy, Emasculation)

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