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# Principles and Practice of Urooncology

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Gokhan Ozyigit • Ugur Selek  
Editors

# Principles and Practice of Urooncology

Radiotherapy, Surgery and Systemic  
Therapy

 Springer

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*To our families “Eda, Defne, Ipek” and  
“Ozlem, Melis, Burce,” whose supports have  
made this book possible.*

*To our patients from whom we have learned  
to excel.*

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## Preface

This evidence-based guide on lower genitourinary system (GUS) cancers is aiming to be a reference and first-aid book to enable practicing urooncologists to achieve the current management in the multidisciplinary setting of patient selection and cutting-edge treatment finalization.

This guide includes a surgical urooncology perspective with advanced technology to understand the competing surgical approaches, in addition to a medical oncology perspective in multidisciplinary tumor board.

The illustrative spectrum starting from delineation of tumor volumes and organs at risk based on CT simulation and ending at different definitive approaches of stereotactic body radiotherapy (SBRT), intensity-modulated radiation therapy (IMRT), tomotherapy, volumetric modulated arc therapy (VMAT), and proton therapy will highlight the practical tips to ease the management of everyday challenging cases and also provide a comparison of robotic radiosurgical techniques as CyberKnife and LINAC-based techniques.

Each related chapter will display an academic expert view of everyday cases at different stages including case presentations, contouring, treatment planning, and treatment delivery based on illustrations of slice-by-slice delineations on planning CT images and finalization of plan on detailed acceptance criteria. The book will be of value for practicing oncologists as well as other oncology fellows and residents interested in urooncology to facilitate the decision making in the management of patients with lower GUS cancers and will aid encountering daily challenges in clinical practice.

We hope *Principles and Practice of Urooncology* will meet the need for a practical and up-to-date review of lower genitourinary tumors for residents, fellows, and clinicians of radiation and medical and urological oncology, as well as for medical students, physicians, and medical physicists interested in lower genitourinary system malignancies.

Ankara, Turkey  
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