



Radiation Therapy Techniques for Gynecological Cancers : A Comprehensive Practical Guide

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- Abstract: This book is a practical guide to the use of modern radiation therapy techniques in women with gynecological cancers. Step-by-step instruction is provided on simulation, contouring, and treatment planning and delivery for cancers of the cervix, endometrium, vagina, and vulva. Beyond external beam radiation delivery, full details are presented on three-dimensional brachytherapy at all sites for which it is applicable. Moreover, in-depth guidance is offered on the various advanced techniques of radiation delivery, including intensity-modulated radiation therapy, image guidance for external beam and brachytherapy, and stereotactic body radiotherapy. Radiation therapy is a critical component of the multidisciplinary management of gynecological tumors. With modern technology, both external beam radiation and brachytherapy can be delivered in a highly conformal way. This requires precise contouring and accurate planning techniques. In clearly describing the indications for and the delivery of quality radiation therapy for gynecological tumors, this book will benefit radiation oncologists, medical physicists, medical dosimetrists, radiation therapists, and radiotherapy residents.

Contents:	1. CT and MRI Simulation for Radiation Planning – 2. Anatomy and Target Delineation: Adjuvant and Definitive Radiation Therapy for Cervix Cancer – 3. Anatomy and Target Delineation: Definitive and Postoperative Adjuvant Radiation Therapy in Uterine Cancer – 4. Anatomy and Target Delineation: Definitive and Postoperative Adjuvant Radiation Therapy in Vulvar Cancer - 5. 3D Planning – 6. Intensity-Modulated Radiation Therapy and Volumetric-Modulated Arc Therapy – 7. Imaging in the Management of Gynecologic Cancers – 8. Intracavitary Brachytherapy: Definitive, Preoperative, and Adjuvant (Cervix, Uterine, and Vaginal) – 9. Interstitial Brachytherapy - Definitive and Adjuvant – 10. Stereotactic Ablative Radiotherapy and Other Newer Treatment Delivery Techniques for Gynecologic Cancers.
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