

1. Record Nr.	UNINA9910300203503321
Titolo	Advances in Image-Guided Urologic Surgery / / edited by Joseph C. Liao, Li-Ming Su
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2015
ISBN	1-4939-1450-2
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (293 p.)
Disciplina	610 616.0757 616.6 616994
Soggetti	Urology Radiology Oncology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Endoscopic Fluorescence Imaging of Bladder Cancer: Photodynamic Diagnosis and Confocal Laser Endomicroscopy -- Narrow Band Imaging for Urothelial Cancer -- Optical Coherence Tomography in Bladder Carcinoma -- Optical Coherence Tomography for Prostate Cancer and Beyond -- Fluorescence Image-Guided Robotic Surgery -- Multiphoton Microscopy in Urologic Surgery -- Hyperspectral Imaging of Renal Oxygenation (Near-Infrared Tissue Oximetry for Renal Ischemia) -- Light Reflectance Spectroscopy and Autofluorescence (Kidney and Prostate) -- Intraoperative Doppler Ultrasound During Robotic Surgery -- TRUS of the Prostate: State of the Art -- Ultrasound-Guided Prostate Cryotherapy -- Endoluminal Ultrasonography -- Multiparametric Magnetic Resonance Imaging for Prostate Cancer -- MR-Guided Prostate Interventions -- CT-Guided Renal Ablation- MR-Guided Renal Ablation -- Augmented Reality for Percutaneous Renal Interventions -- Image Guidance in Robotic Assisted Renal Surgery -- Urologic Surgery Training Using Computer-Assisted Simulators -- Molecular Imaging in Urology.

## Sommario/riassunto

This book provides an overview of the current state-of-art in combining advances in biomedical imaging with intraoperative navigation and preoperative planning for urologic surgery. These advances hold great promise in improving diagnostic and therapeutic urologic interventions to improve patient outcomes. Leading experts in this exciting emerging field covers early clinical and pre-clinical applications of optical, ultrasound, cross-sectional, and computer-assisted imaging in urologic surgery. *Advances in Image-Guided Urologic Surgery* provides a unique and valuable resource for audience with clinical and research interest in minimally invasive surgery, endourology, urologic oncology, imaging, and biomedical engineering.

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