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Descrizione fisica	1 online resource (220 p.)
Altri autori (Persone)	CataniFabio ZaffagniniStefano
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Soggetti	Knee - Surgery Robotics in medicine
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Accuracy of Computer Assisted Surgery -- Does computer –assisted surgery affect clinical outcome? A review of the literature -- Total Knee Arthroplasty - Measured Resection Technique -- Computer Assisted Surgery – Ligament Balance -- Robotics in Total Knee Arthroplasaty -- Soft tissue managing in Posterior Cruciate Ligament retaining Total Knee Arthroplasty -- Soft tissue management in computer assisted cruciate retaining Total Knee Replacement -- Navigated Standard Unicompartmental Knee Arthroplasty -- Robotic Unicompartmental Knee Arthroplasty -- Bicompartmental knee reconstruction computer assisted: Bi-UKR and UKR+PFA -- Cruciate ligament reconstruction - kinematic evaluation -- Anterior Cruciate ligament reconstruction - isometric positioning -- Arthroscopic-assisted, navigated triplane osteotomies of the lower extremity -- The use of computer assisted surgery during patellofemoral arthroplasty -- Revision Total Knee Arthroplasty -- Tibi-femoral Joint Kinematics -- Patellar tracking in computer assisted surgery -- How to teach knee prosthesis with navigation.
Sommario/riassunto	This book discusses the full range of current applications of computer-assisted surgery and robotics in the field of knee surgery, and also considers potential future applications. The impact of computer-

assisted surgery on a wide range of surgical procedures is clearly explained. Procedures considered include total knee arthroplasty, unicompartmental knee arthroplasty, cruciate ligament reconstruction, patellofemoral arthroplasty, and revision surgery. In each case, technical aspects are thoroughly addressed in a readily understandable manner. Knee Surgery Using Computer-Assisted Surgery and Robotics will be an ideal guide to this exciting field for both novice and more experienced surgeons who treat knee injuries and disorders.