

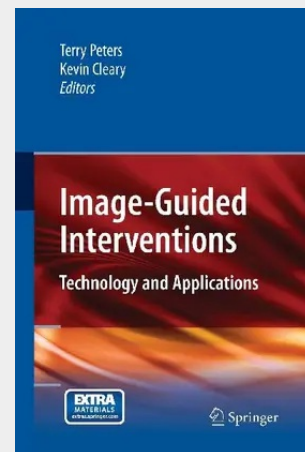
Image-Guided Interventions

Technology and Applications

Image-Guided Interventions: Technology and Applications provides a comprehensive overview of the current technological advances in image-guided surgery. Edited and authored by leading researchers in the field, this volume blends the expertise of both engineers and physicians, offering the latest findings amidst the growing demand for minimally-invasive procedures. Complete with detailed color images, readers will find a description of existing tools such as localizers/tracking systems, augmented reality, rigid body registration and high frequency ultrasound used in various applications, including cranial, orthopedic, and endovascular interventions.

Image-Guided Intervention: Technology and Applications is a useful reference for engineers, physicists, computer scientists and physicians working with image-guidance technology.

Edited and authored by leading researchers in the field, this book provides a comprehensive overview of current findings and technological advances in image-guided surgery. It blends the expertise of engineers and physicians in order to respond to the growing demand for minimally invasive procedures. Detailed color images help guide readers through the latest techniques, including cranial, orthopedic, prostrate, and endovascular interventions. All the current tools of the trade are covered, including localizers/tracking systems, augmented reality, rigid body registration, and high frequency ultrasound. This book is a useful reference for engineers, physicists, computer scientists, and physicians working with image guidance technologies.



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