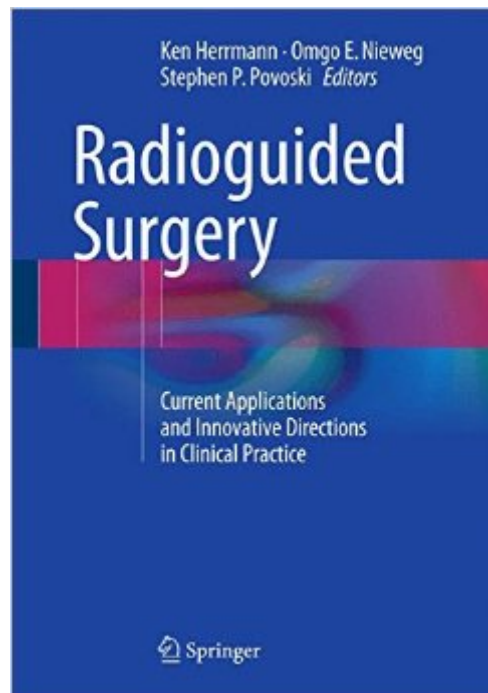


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Radioguided Surgery: Current Applications And Innovative Directions In Clinical Practice



Synopsis

This book offers a comprehensive overview of the state of the art in the practice of radioguided surgery. The opening section is devoted to the basic physics principles for detection and imaging, radiation detection device technology, principles of surgical navigation, radionuclides and radiopharmaceuticals, and radiation safety. A series of chapters then address the clinical application of radioguided surgery for a variety of malignancies, including breast cancer, melanoma and other cutaneous malignancies, gynecologic malignancies, head and neck malignancies, thyroid cancer, urologic malignancies, colon cancer, gastroesophageal cancer, lung cancer, bone tumors, parathyroid adenomas, and neuroendocrine tumors. For each application, the recommended methodological approaches are discussed and the available cumulative clinical experiences of investigators from across the globe are reviewed. A conscious effort is made to highlight recent developments and innovative multidisciplinary approaches within each clinical area. Interesting issues and novel approaches are further explored through a collection of selected case reports at the end of the book. The contributing authors are all experts in their own fields, ensuring that the book will hold wide appeal for surgeons, surgical technologists, nuclear medicine physicians, nuclear medicine technologists, and various trainees.

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