1. Record Nr. UNINA9910149365103321

Titolo	Gamma cameras for interventional and intraoperative imaging / / edited by Alan C. Perkins, University of Nottingham, United Kingdom, and John E. Lees, University of Leicester, United Kingdom
Pubbl/distr/stampa	Boca Raton, Fla. : , : CRC Press, Taylor & Francis Group, , [2017] ©2017
ISBN	1-315-35317-2 1-315-37022-0 1-4987-2929-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (230 pages) : illustrations
Collana	Series in Medical Physics and Biomedical Engineering
Disciplina	616.07/54
Soggetti	Scintillation cameras Nuclear medicine - Instruments Imaging systems in medicine Diagnostic imaging Point-of-care testing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Chapter 1. Small field of view gamma cameras and intraoperative applications / Alan C. Perkins, Aik Hao Ng, John E. Lees -- Chapter 2. Detector design for small field of view (SFOV) nuclear cameras / Dimitra G. Darambara -- Chapter 3. Surgical experience with POCI and TReCam prototype cameras / M-A Duval, A. Bricou, E. Barranger, K. Kerrou, S. Pitre, L. Menard, B. Janvier, F. Lefebvre, L. Pinot, M-A Verdier, Y. Charon -- Chapter 4. Intraoperative 3D nuclear imaging and it's hybrid extensions / Thomas Wendler -- Chapter 5. Clinical requirements and expectations : using sentinel lymph node biospy as an example / C. Hope, R. Parks, K.L. Cheung -- Chapter 6. Radiopharmaceuticals for intraoperative imaging / James R. Ballinger -- Chapter 7. Surgical experiences with intraoperative gamma cameras / B. Pouw, L. de Wit, M. Stokkel -- Chapter 8. Radioguided surgery in oral cancers: hybrid imaging and hybrid tracers / Clare Schilling -- Chapter 9.

	Characterisation and quality assurance protocols for SFOV gamma cameras / Sarah Bugby, John Lees, Alan Perkins -- Chapter 10. Hybrid gamma-optical imaging / John Lees, Sarah Bugby, Alan Perkins.
Sommario/riassunto	This is the first book devoted to a new area of nuclear imaging for intraoperative and bedside investigations. This field of investigation has recently benefitted from technological advances in detector design enabling the production of compact gamma cameras. This book provides unique insight into the use of small-field-of-view gamma cameras that allow nuclear imaging at the patient bedside, and more importantly, provide surgeons with the means for imaging in the operating theatre--