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Nota di contenuto	Introduction: Outline of Paediatric radiology -- Radiation exposure and radiation risk in diagnostic radiology -- Image quality and radiographic technique -- Fundamentals of Radiation Dosimetry: Radiation dose and dosimetry in paediatric radiology -- Image quality in paediatric radiology -- Technical principles of conventional paediatric radiography -- Standard Operating Procedures (SOP) and Normalized Organ Doses for Conventional Radiographs : Introduction -- Skull -- Chest -- Babygram -- Abdomen -- Pelvis -- Spine -- Hip joint -- Upper Extremities -- Lower Extremities -- Shoulder and clavicle. .
Sommario/riassunto	This book offers the reader sound advice on how to perform optimal conventional pediatric radiographs and how to obtain quick and easy organ dose estimates in order to improve the optimization process in pediatric imaging. Clear guidelines are provided for minimization of the radiation exposure of children through optimization of the radiation

exposure conditions, and conversion coefficients are presented for calculation of the organ doses achieved in organs and tissues during conventional pediatric radiography, taking into consideration both optimal and suboptimal radiation field settings. Previously published conversion coefficients have failed to represent the variation in radiation field settings in daily clinical routine, which has made it difficult for the pediatric radiologist to estimate the impact of the field settings on absorbed doses in organs and tissues. The aim of this book, co-written by a pediatric radiologist, a physician and physicist, and a medical radiation technologist, is to address this issue by providing, for the first time, a thorough overview of clinical radiation field settings and their implications for radiation protection. An accompanying volume is devoted to fluoroscopy. .