1. Record Nr. UNINA9910300093403321

Autore	Pianykh Oleg S
Titolo	Digital Image Quality in Medicine / / by Oleg S. Pianykh
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-01760-8
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (129 p.)
Collana	Understanding Medical Informatics, How it really works, , 2197-7321
Disciplina	616.07/540685 616.0754 616.07540685
Soggetti	Medicine Radiology Medical informatics Medicine/Public Health, general Imaging / Radiology Health Informatics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- A Bit of History and Touch of Philosophy -- Image Interpolation -- Image Compression -- Image Enhancement -- Image Quality Online -- Image Display -- DICOM Calibration and GSDF -- Conclusion.
Sommario/riassunto	Making a good diagnostic image is only the beginning; keeping it good and diagnostically sound is a much more difficult proposition, one that is often neglected or forgotten by clinical practitioners. With anything digital, the assumption of persistent original quality opens a Pandora’s box of medical fiascos. Poorly selected image interpolation, thoughtlessly used compression, confused image enhancement options and the like can transform a good original into a useless clutter of pixels. This book is dedicated to learning better options. Intended for physicians, clinical practitioners and applications specialists, it provides a well-rounded introduction to meaningful diagnostic image housekeeping. The book presents the most important aspects of safe digital image workflows, starting from the basic practical implications

and gradually uncovering the underlying concepts and algorithms. With an easy-to-follow, down-to-earth presentation style, the text helps you to optimize your diagnostic imaging projects and connect the dots of medical informatics.