



Digital Imaging Systems for Plain Radiography

By Luis Lanca, Augusto Silva

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Advances in digital technology led to the development of digital x-ray detectors that are currently in wide use for projection radiography, including Computed Radiography (CR) and Digital Radiography (DR). *Digital Imaging Systems for Plain Radiography* addresses the current technological methods available to medical imaging professionals to ensure the optimization of the radiological process concerning image quality and reduction of patient exposure. Based on extensive research by the authors and reference to the current literature, the book addresses how exposure parameters influence the diagnostic quality in digital systems, what the current acceptable radiation doses are for useful diagnostic images, and at what level the dose could be reduced to maintain an accurate diagnosis. The book is a valuable resource for both students learning the field and for imaging professionals to apply to their own practice while performing radiological examinations with digital systems.

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Digital Imaging Systems for Plain Radiography By Luis Lanca, Augusto Silva Bibliography

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Editorial Review

Review

From the reviews:

“This book covers a broad range of topics related to digital radiology systems. ... This book is a welcome addition to a fairly young field. ... This is an excellent overview of digital imaging detectors and how they can be used to improve image quality and manage patient dose. This will be a very useful reference for radiographers, radiologists, and medical physicists, and residents and students in these fields.” (Bennett S. Greenspan, Doody’s Book Reviews, May, 2013)

From the Back Cover

Advances in digital technology led to the development of digital x-ray detectors that are currently in wide use for projection radiography, including Computed Radiography (CR) and Digital Radiography (DR). **Digital Imaging Systems for Plain Radiography** addresses the current technological methods available to medical imaging professionals to ensure the optimization of the radiological process concerning image quality and reduction of patient exposure. Based on extensive research by the authors and reference to the current literature, the book addresses how exposure parameters influence the diagnostic quality in digital systems, what the current acceptable radiation doses are for useful diagnostic images, and at what level the dose could be reduced to maintain an accurate diagnosis. The book is a valuable resource for both students learning the field and for imaging professionals to apply to their own practice while performing radiological examinations with digital systems

Users Review

From reader reviews:

Emile Guzman:

The knowledge that you get from Digital Imaging Systems for Plain Radiography is the more deep you rooting the information that hide inside the words the more you get thinking about reading it. It does not mean that this book is hard to be aware of but Digital Imaging Systems for Plain Radiography giving you joy feeling of reading. The copy writer conveys their point in certain way that can be understood through anyone who read the idea because the author of this guide is well-known enough. This specific book also makes your current vocabulary increase well. That makes it easy to understand then can go together with you, both in printed or e-book style are available. We advise you for having that Digital Imaging Systems for Plain Radiography instantly.

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