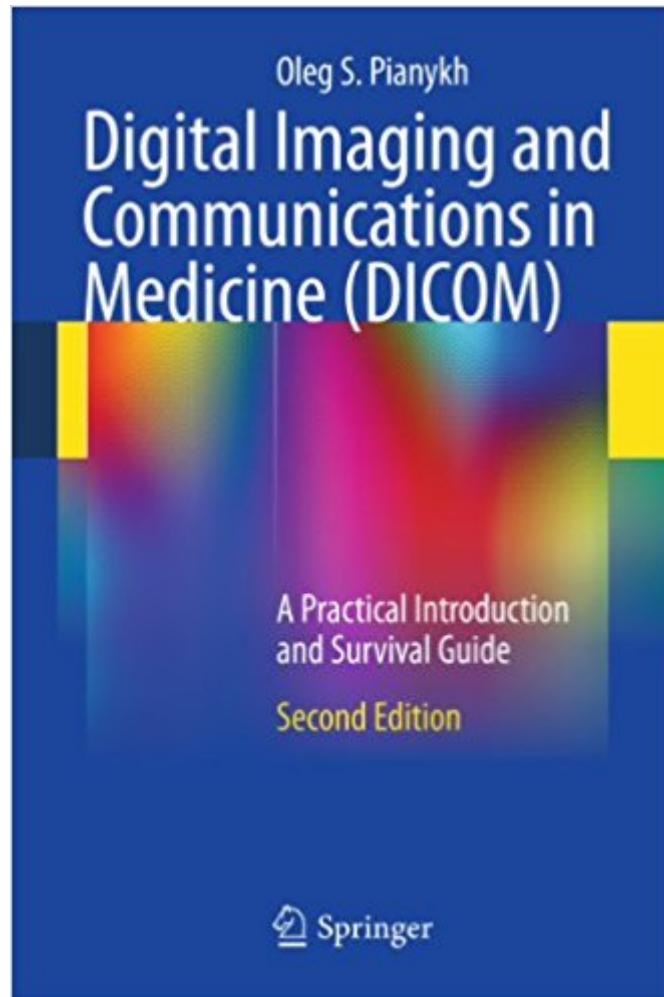


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Digital Imaging And Communications In Medicine (DICOM): A Practical Introduction And Survival Guide



Synopsis

This is the second edition of a very popular book on DICOM that introduces this complex standard from a very practical point of view. It is aimed at a broad audience of radiologists, clinical administrators, information technologists, medical students, and lecturers. The book provides a gradual, down to earth introduction to DICOM, accompanied by an analysis of the most common problems associated with its implementation. Compared with the first edition, many improvements and additions have been made, based on feedback from readers. Whether you are running a teleradiology project or writing DICOM software, this book will provide you with clear and helpful guidance. It will prepare you for any DICOM projects or problem solving, and assist you in taking full advantage of multifaceted DICOM functionality.

Book Information

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Customer Reviews

I very much enjoyed this book, which was a surprise to some extent -- although I was eager to learn about DICOM I fully anticipated a very dry, dull book. Luckily that is not the case. Moreover, the detailed explanations were great for me as a software developer now working on a DICOM

application. Part I - Introduction to DICOM provides a light but good overview. Part II - DICOM and Clinical Data, after some brief history, gets right into the guts of what DICOM looks like, down to the bytes in a DICOM object. Lots of great stuff there. There's also some excellent information on medical images, compression, video and overlays. Part III - DICOM Communications does a great job explaining the networking half of the DICOM standard. This is not something I've needed to know much about but was readable and definitely adds to my understanding. I can see that being useful in various application design decision in the coming years. Part IV - DICOM Media and Security makes clear the media sections of the standard were every bit as crazy as I thought them to be. The security stuff treats anonymization/de-identification well too. Part V - Advanced Topics is a fairly wide ranging set of topics. The teleradiology chapter was useful although I felt a little thin..although there is some good advice in there I felt there was also some confusing, contradictory and vague information. The coverage of the work the author did with PACS etc. in a post-Katrina New Orleans is pretty eye opening. The DICOM software development chapter was a little bit of a disappointment to me, although I acknowledge it is but one chapter rather than the entire focus of the book.

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