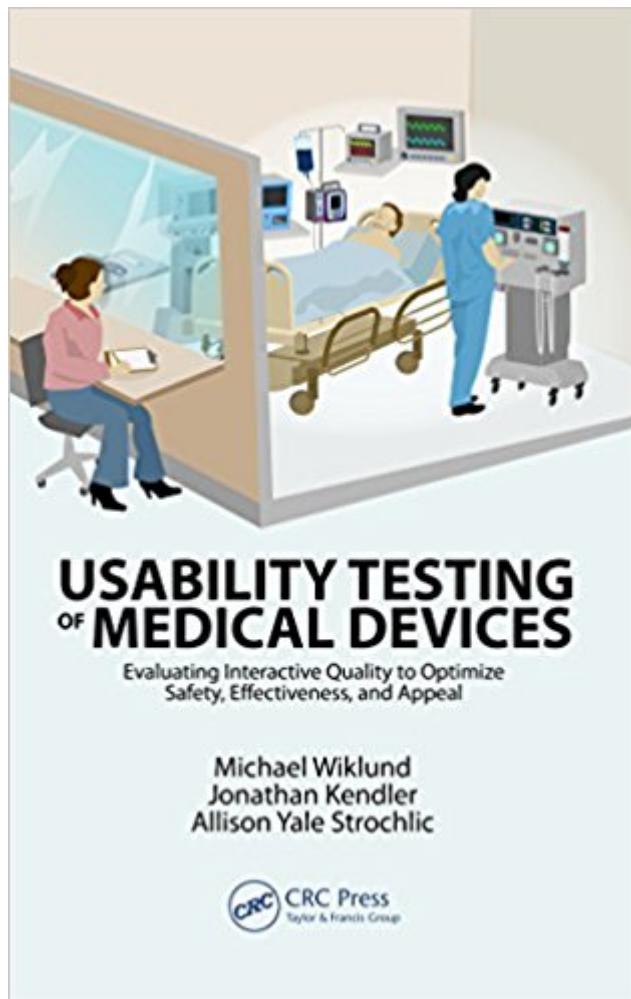


The book was found

# Usability Testing Of Medical Devices



## **Synopsis**

To paraphrase a popular saying, usability testing should be done early and often. However, it doesn't have to be an onerous process. Informative, practical, and engaging, *Usability Testing of Medical Devices* provides a simple, easy to implement general understanding of usability testing. It offers a general understanding of usability testing and reviews key concepts, highlighting the challenges of validating that protects against dangerous errors that could lead to patient injury and death. The book has been carefully designed to be concise and visually, easily read in one sitting or perused from one section to another as needed. It begins with a review of human factors engineering and how usability testing fits in, and then discusses the government regulations and industry standards that have motivated many medical device manufacturers to conduct usability tests. It then covers the nitty-gritty of planning, conducting, and reporting the results of a usability test, making the process as smooth and painless as possible for the development team, and therefore making the medical devices they develop as safe, effective, and appealing as possible. As you read the book, keep in mind that, like snowflakes, each usability test is unique. And while 100 usability specialists working independently might take 100 different approaches to testing, albeit with considerable methodological overlap, there would also be meaningful differences that the practitioners would energetically defend as the best given the circumstances. To make your testing process easier, the authors, seasoned human factors specialists who have conducted thousands of test sessions involving medical devices used by physicians, nurses, therapists, technicians, and patients, have painstakingly put together an informative, practical, and engaging handbook for conducting usability tests of medical devices.

## **Book Information**

File Size: 24582 KB

Print Length: 412 pages

Publisher: CRC Press; 1 edition (December 20, 2010)

Publication Date: December 20, 2010

Sold by: Digital Services LLC

Language: English

ASIN: B00XKX14S6

Text-to-Speech: Not enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #1,098,743 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #10  
inÂ Kindle Store > Kindle eBooks > Medical eBooks > Reference > Instruments & Supplies #89  
inÂ Books > Medical Books > Medicine > Reference > Instruments & Supplies #112  
inÂ Kindle Store > Kindle eBooks > Medical eBooks > Special Topics > Biotechnology

## **Customer Reviews**

I found the book concise and well thought out and exceeded my expectations and requirement for usability testing for IVD Medical Devices.

This book is excellent. It provides great insights into the FDA approval process and gives comfort to the reader. Thank you very much for taking the time to put it all into words.

The book is well written and is straight to the point. The chapters and subsections are short and precise. If you are looking for a usability testing book focusing on the practical sides of testing I can highly recommend this book. As a recently graduated professional, it is refreshing to see a book that is experienced based rather than theory based. In essence, the book contains practical advice on how to plan and conduct a usability test. It covers a broad spectrum of things to consider and gives best practice advice on how to deal with these aspects. E.g. Sample size, test plans, how to convince others of the value of usability testing, testing costs etc. On the downside, some of the advice was rather obvious to me, but I guess this is the nature of "hands-on" guides that go into such detail as this book does. I would recommend this book to people who are either new to working with usability testing of medical devices under (FDA) regulations or new to usability testing in general. However if you are on the lookout for a book explaining usability theories or how to design a user interface give it a miss.

[Download to continue reading...](#)

Usability Testing of Medical Devices, Second Edition Usability Testing of Medical Devices Daniels and Worthingham's Muscle Testing: Techniques of Manual Examination and Performance Testing, 9e (Daniels & Worthington's Muscle Testing (Hislop)) DNA Testing Guide Book: Utilize DNA Testing to Analyze Family History Genealogy, Classify and Measure Ethnic Ancestry Research, And Discover Who You Are ... DNA Testing, Ancestry, Ancestry Research) Handbook of Usability Testing: How to Plan, Design, and Conduct Effective Tests Handbook of Usability Testing: How to

Plan, Design, and Conduct Effective Tests (Wiley Technical Communications Library) ISO 14971:2007, Medical devices - Application of risk management to medical devices ISO 14971:2000, Medical devices -- Application of risk management to medical devices Designing Usability into Medical Products Medical Terminology: Medical Terminology Easy Guide for Beginners (Medical Terminology, Anatomy and Physiology, Nursing School, Medical Books, Medical School, Physiology, Physiology) Medical Terminology: Medical Terminology Made Easy: Breakdown the Language of Medicine and Quickly Build Your Medical Vocabulary (Medical Terminology, Nursing School, Medical Books) Prostheses: Design, Types, and Complications (Biomedical Devices and Their Applications; Medical Devices and Equipment) ACSM's Resource Manual for Guidelines for Exercise Testing and Prescription (Ascms Resource Manual for Guidlies for Exercise Testing and Prescription) Ruppel's Manual of Pulmonary Function Testing, 10e (Manual of Pulmonary Function Testing (Ruppel)) Manual of Pulmonary Function Testing, 9e (Manual of Pulmonary Function Testing (Ruppel)) Hacking: Computer Hacking, Security Testing, Penetration Testing, and Basic Security Essentials of Electronic Testing for Digital, Memory and Mixed-Signal VLSI Circuits (Frontiers in Electronic Testing) Hacking: Basic Security, Penetration Testing and How to Hack (hacking, how to hack, penetration testing, basic security, arduino, python, engineering Book 1) Hacking: How to Hack Computers, Basic Security and Penetration Testing (Hacking, How to Hack, Hacking for Dummies, Computer Hacking, penetration testing, basic security, arduino, python) Ruppel's Manual of Pulmonary Function Testing - E-Book (Manual of Pulmonary Function Testing (Ruppel))

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)