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Designing Usability Into Medical Products

DESIGNING USABILITY INTO MEDICAL PRODUCTS

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Foreword by
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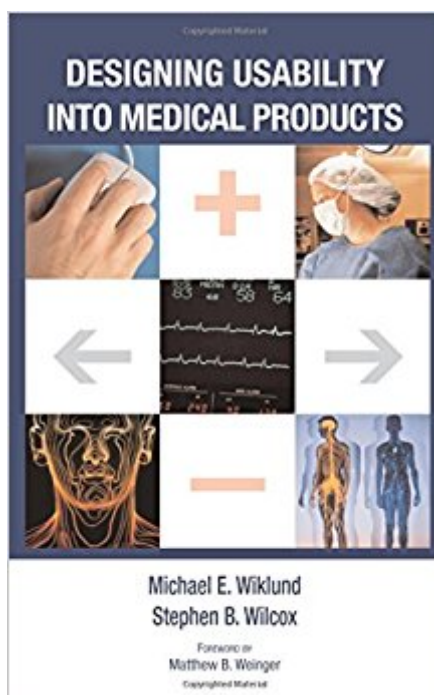
Synopsis

Advocating a user-centered approach to medical technology design, Designing Usability into Medical Products covers the essential processes and specific techniques necessary to produce safe, effective, usable, and appealing medical systems and products. Written by experts on user-centered research, design, and evaluation, the book provides a range of alternative approaches to the subject. Wiklund and Wilcox explore how to make medical devices safe and effective by involving users in the design process. They discuss specific design and evaluation methods and tools, present case studies of user-friendly medical technologies and corporate human factors programs, and supply related resources for medical design professionals.The book conveys an in-depth understanding of the user-centered design process, covers design methods for FDA compliance, and offers guidance on performing a variety of hands-on user research, user interface design, and user interface evaluation. The authors make a compelling case for treating the user's needs and preferences as a top design priority, rather than an afterthought. They demonstrate that high-quality customer interactions with systems and products leads to effective medical diagnosis and treatment, increases the physical and mental well being of patients and caregivers, and leads to commercial success in a crowded marketplace.

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Customer Reviews

"This book should be on the shelf of anyone involved in the development of medical products. Today devices are getting more and more complex while caregivers as a whole are much less

experienced. User centered interface design has to make up the difference and this book gives you a plan." Ã¢â ¬â ¢Nicholas Barker, Vice President - Design, Datascope Corp

This book has much useful and practical information regarding the design of medical devices. As human factors is now part of the regulatory landscape for medical devices in the US this book is a must have for marketers and engineers of medical devices. Their approach to these issues is one that is easily incorporated into the product development process and will yield a more usable and likely a more successful product.

Designing Usability into Medical Products Usability Testing of Medical Devices, Second Edition Usability Testing of Medical Devices 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) Universal Principles of Design, Revised and Updated: 125 Ways to Enhance Usability, Influence Perception, Increase Appeal, Make Better Design Decisions, and Teach through Design Don't Make Me Think, Revisited: A Common Sense Approach to Web Usability (3rd Edition) (Voices That Matter) 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) Practical Augmented Reality: A Guide to the Technologies, Applications, and Human Factors for AR and VR (Usability) Anti Aging: The Best Anti Aging Beauty Products, Anti Aging Medicines and Anti Aging Skin Care Treatments to Make You Look and Feel Younger (Anti Aging, ... Secrets, Anti Aging Diet, Beauty Products) Don't Go to the Cosmetics Counter Without Me: A unique, professionally sourced guide to thousands of skin-care and makeup products from today's hottest ... and discover which products really work! Don't Go to the Cosmetics Counter Without Me: A unique guide to skin care and makeup products from today's hottest brands — shop smarter and find products that really work! Sell Products Make Money (2017): How to Start Selling Information & Physical Products Online the Easy Way Build Better Products: A Modern Approach to Building Successful User-Centered Products Yearbook of Forest Products (FAO Yearbook: Forest Products) My Mueller Spiral-Ultra Vegetable Spiralizer Cookbook: 101 Recipes to Turn Zucchini into Pasta, Cauliflower into Rice, Potatoes into Lasagna, Beets into ... Slicer! (Vegetable Spiralizer Cookbooks) 18 Ways to Break into Medical Coding: How to get a job as a Medical Coder (Medical Coding 101) The Patient's Medical Journal:

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