

book is a set of appendices, including normal values for laboratory tests and vital signs, calculations, addresses for state boards of nursing, and additional resources for more information on specific disorders.

The book includes a CD with practice questions, which are the same as those in the book but not in the same order. The CD allows customization of the preparation process; users can choose to view the correct response with each question or can take the practice examination as a timed examination with no opportunity to review until the test is completed. In the practice examinations, the question topics are distributed throughout the test, which more closely emulates the format of the NCLEX-RN examination than do the paper-and-pencil examinations in the book.

The accompanying book, *Exam Cram NCLEX-RN Practice Questions*, contains five practice examinations of 250 questions each. In these, the questions are not grouped by subject. This volume also includes a CD with the test questions, organized in the same format as the CD included with the *Exam Prep* book.

These books can be used together or alone. For students who have identified a particular area of weakness, the prep book would be helpful for reviewing pathophysiology and practicing focused questions on that area. For those who are simply looking for more questions, the smaller *Exam Cram* book will provide them with both paper-and-pencil and electronic means of practicing for the exam. For students who are looking for both, the set of two will be helpful in focusing review and overall practice. [AORN](#)

**YVONNE FORD**  
PhD, RN  
ASSISTANT PROFESSOR  
WESTERN MICHIGAN UNIVERSITY  
BRONSON SCHOOL OF NURSING  
KALAMAZOO, MI

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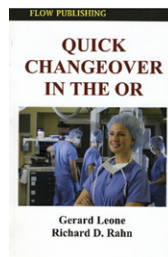
## Quick Changeover in the OR

**Gerard Leone and Richard D. Rahn**

Flow Publishing

2011, 103 pages

\$12.95 softcover



The importance of quick turn-overs or “changeovers” in the OR is understood by both staff members and hospital managers; time is money, and decreasing OR turnover time increases efficiency and reduces cost. Accomplishing quick changeovers

sounds like an easy task, but it can be difficult to accomplish. In this book, Leone and Rahn apply Lean management methods to reducing OR changeover times. The authors have more than 30 years of combined experience in flow manufacturing, production management, education, and consulting, and have shared their knowledge with companies such as Boeing, General Motors, Johnson & Johnson, and Whirlpool. They published *Lean in the OR* in 2010, which is sold as a companion book to this book.

The authors, although not perioperative nurses, understand perioperative processes (eg, turnover processes in the OR, equipment handling, practice constraints). They explain the importance of quick changeovers and provide a brief history of the Lean management system process first used by Shigeo Shingo, a Toyota Motor Company engineer. The overall Lean concept is referred to as “Kaizen” (ie, continually improving). The authors then apply some of the Lean principles (eg, what the customer values, how processes flow, how to produce only what the customer needs or wants, how to strive for perfection) to OR changeovers. They define the differences between internal and external changeover steps (ie, an internal step can be performed only when no procedures are taking place in an OR; an external step can be performed while the previous

procedure is occurring) and show the reader how some of these steps can be accomplished outside the OR suite before surgery.

These concepts are not new to the OR, but this book uses a systematic approach to examine the process and introduces key tools, such as standard work definitions (ie, the step-by-step process that identifies such things as work performed, supplies needed, value added), spaghetti diagrams (ie, personnel movement documentation that shows everywhere an employee goes), and checklists. The authors describe the 7S method of supply management using the Kanban system (ie, using two storage locations to manage supplies and replacing items in set quantities) in comparison with a par level system (ie, daily accounting of supplies and replacing each item individually).

This book is relatively short but provides some pearls of wisdom (eg, it takes more steps and time for one person to make the OR bed than two). The authors provide examples that apply Lean principles to the OR, but, at times, they leave the reader wanting more. For example, they describe analyzing cleaning solution contact times to decrease turnover time but do not suggest a

preferred cleaning solution to use. Some concepts and abbreviations are used before they are defined; for example, the authors write about the Kaizen event (ie, a short period of time during which a small group of people target a process) throughout the book but do not define it until the last chapter. It would be beneficial for the reader to read *Lean in the OR* first to understand this book better. In addition, it was somewhat distracting to read a book describing Kaizen that has four typographical or grammatical errors. Despite these minor shortcomings, I would recommend this book to anyone interested in decreasing OR changeover times. [AORN](#)

**JASON NELSON**

MSN, RN, CNOR, MAJ, ANC, USA  
INSTRUCTOR, CHEMICAL CASUALTY CARE  
US ARMY MEDICAL RESEARCH INSTITUTE  
OF CHEMICAL DEFENSE  
ABERDEEN, MD

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