



The book was found

Computing In Anesthesia And Intensive Care (Developments In Critical Care Medicine And Anaesthesiology)



Synopsis

There is a tendency of an increasing number of signals and derived variables to be incorporated in the monitoring of patients during anesthesia and in intensive care units. The addition of new signals hardly ever leads to the deletion of other signals. This is probably based on a feeling of insecurity. We must realize that each new signal that is being monitored brings along its cost, in terms of risk to the patient, investment and time. It is therefore essential to assess the relative contribution of this new signal to the quality of the monitoring process; i. e. given the set of signals already in use, what is the improvement when a new signal is added? Beyond a certain point the addition of new information leads to new uncertainty and degrades the result (Ream, 1981) In the diagnostic process, it is possible to evaluate "result" in an objective, qualitative way. The changes in the sensitivity and specificity of the diagnosis as a result of the addition or deletion of a certain variable can be calculated on the basis of false negative, false positive, correct negative and false negative scores. Different methods for multiple regression analysis have been implemented on computers (Gelsema, 1981) which can support such decision processes. In monitoring, the situation is much more complex. Many definitions of monitoring have been given; the common denominator is that monitoring is a continuous diagnostic process based upon a (semi)continuous flow of information. This makes simple assessment methods useless.

Book Information

Series: Developments in Critical Care Medicine and Anaesthesiology (Book 5)

Hardcover: 448 pages

Publisher: Springer; 1983 edition (September 30, 1983)

Language: English

ISBN-10: 0898386020

ISBN-13: 978-0898386028

Shipping Weight: 2 pounds

Average Customer Review: Be the first to review this item

Best Sellers Rank: #18,523,888 in Books (See Top 100 in Books) #49 in Books > Medical Books > Medicine > Computer Applications #1947 in Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Critical Care #2613 in Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Anesthesiology

Customer Reviews

`...the book is strongly recommended to the tyro who wishes to obtain a general view of the subject

and the more knowledgeable reader who will find something to pique his or her interest.' Canadian Anaesthetists' Society Journal (September 1984)

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

Computing in Anesthesia and Intensive Care (Developments in Critical Care Medicine and Anaesthesiology) Regional Opioid Analgesia: Physiopharmacological Basis, Drugs, Equipment and Clinical Application (Developments in Critical Care Medicine and Anaesthesiology) Legal Aspects of Anaesthesia (Developments in Critical Care Medicine and Anaesthesiology) Clinical Anesthesia Procedures of the Massachusetts General Hospital: Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General ... of the Massachusetts General Hospital) Certification and Core Review for Neonatal Intensive Care Nursing, 4e (Watson, Certification and Core Review for Neonatal Intensive Care Nursing) Core Curriculum for Neonatal Intensive Care Nursing, 5e (Core Curriculum for Neonatal Intensive Care Nursing (AWHONN)) Core Curriculum for Neonatal Intensive Care Nursing, 4e (Core Curriculum for Neonatal Intensive Care Nursing (AWHONN)) Post Anesthesia Care Unit: A Critical Care Approach to Post Anesthesia Nursing Clinical Anesthesia Procedures of the Massachusetts General Hospital: Department of Anesthesia and Critical Care, Massachusetts General Hospital, ... Williams & Wilkins Handbook Series) Routledge Intensive Russian Course (Routledge Intensive Language Courses) Certification Review for Nurse Anesthesia (Anesthesia/Pain Medicine) CAT CARE: BEGINNERS GUIDE TO KITTEN CARE AND TRAINING TIPS (Cat care, cat care books, cat care manual, cat care products, cat care kit, cat care supplies) Programmed Inequality: How Britain Discarded Women Technologists and Lost Its Edge in Computing (History of Computing) Biomedical Statistics with Computing (Medical Computing Series) Hepatology and Critical Care, An Issue of Critical Care Clinics, 1e (The Clinics: Internal Medicine) New methods and recent developments of the stereochemistry of ephedrine, pyrrolizidine, granatane and tropane alkaloids, (Recent developments in the chemistry of natural carbon compounds) The Lazarus Case: Life-and-Death Issues in Neonatal Intensive Care (Medicine and Culture) Irwin & Rippe's Procedures, Techniques and Minimally Invasive Monitoring in Intensive Care Medicine Irwin & Rippe's Manual of Intensive Care Medicine Ultrasound in the Intensive Care Unit (Respiratory Medicine)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

