

BOOK REVIEWS

chapter. To reiterate, every chapter is consistent in content and quality. There are no weak chapters, and to say that any one chapter stands out would only discount the strength of the others. All of the chapters are well referenced, with up-to-date citations. Additionally, any one chapter can stand alone and be read and understood individually. The book makes for informative and smooth reading from cover to cover. Chapters covering specific topics can be understood clearly and are excellent references if one has limited time or desires to read only selected sections. The chapters dealing with local anesthetic effects on the central nervous system, the cardiovascular system, and adverse effects and drug toxicity are particularly useful for this purpose. The only drawback of the book, and it is a minor one, is the synopses at the end of each chapter. This book is distinguished because of the informative and smoothly written chapters. These "Monarch Notes" after each chapter cheapen an otherwise excellent information source. I hope that in future editions, these are removed.

Although several large, multiauthored textbooks on anesthesia and nerve blocks contain information on local anesthetics, they pale in comparison to this well-organized and superbly written book. Given its reasonable price and the amount of information and the quality of writing in it, this book will make a significant contribution to the library of any anesthesiologist who uses local anesthetics.

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Textbook of Trauma Anesthesia and Critical Care. By Christopher M. Grande. St. Louis, Mosby, 1993. Pages: 1445. Price \$145.

This book, sponsored by the International Trauma Anesthesia and Critical Care Society, is one of the first comprehensive texts in the field of trauma anesthesia. The textbook is a symbolic manifestation of the effort to establish and codify this new subspecialty. It was edited by Dr. Grande and ten section editors. The chapters were written by contributors from all over the world, many of whom are also members.

Part I of the book focuses on the history of trauma anesthesia, epidemiology of trauma, trauma care systems, general trauma management, and the role of the trauma anesthesiologist in the care of trauma victims in- and outside the operating room. Part II contains a description of the components of the trauma systems and the trauma anesthesia practices throughout the world. These sections note that in many parts of Europe, anesthesiologists have played the leading role in trauma care, coordinating and delivering prehospital and disaster care, as well as directing intrahospital critical care. Documenting this international variability is a commendable goal, because trauma anesthesiologists-in-training eventually may assume or share the responsibility of developing or improving a trauma system.

Parts III–X delineate the body of clinical knowledge in the practice of trauma anesthesia and critical care, beginning with management of the trauma victim in the field and proceeding through the preoperative, intraoperative, and postoperative phases. These sections also review the perioperative anesthetic management of trauma of specific organ systems, special trauma populations (burns, geriatric, pediatric, obstetric), and patients with common preexisting diseases.

Part XI deals with ethical and legal issues that are relevant when one forgoes life-sustaining interventions in hopeless cases. It also reviews the evaluation and certification of brain death, organ donor management, and organ transplantation. Finally, parts XII and XIII discuss special considerations, such as critical care transport, hyperbaric oxygen therapy, toxicology, and environmental conditions.

The book is written clearly and well edited. It has an easy-to-read style, many boxes and tables, and generally good-quality illustrations. The bibliography at the end of most chapters is comprehensive and current.

As with many multiauthored texts, the quality of the chapters varies significantly, and repetition is unavoidable. For example, the calculation of the pressure–volume index is described in the chapter on neurologic trauma in the section on perioperative anesthetic management and in the chapter on neurologic injuries in the section on recuperative phase. Although the editor-in-chief allowed some overlap between chapters so that each section could function independently, cross-referencing among sections could have decreased redundancy.

Many chapters are excellent, such as those on the history of trauma anesthesia, preanesthetic evaluation, trauma and sepsis, and the evaluation and certification of brain death. The chapter on monitoring is disappointingly too superficial and contains several errors. It states that in the presence of methemoglobin or carboxyhemoglobin, pulse oximeters report "functional" saturation when, in fact, Barker *et al.* (ANESTHESIOLOGY 70:112–117, 1989), have demonstrated this not to be the case. It also states incorrectly that the Oximetrix 3 computer (Abbott Critical Care, Mountain View, CA) calculates mixed venous hemoglobin oxygen saturation "depending on the patient's hemoglobin concentration." In the same chapter, a list of monitors to be used in the operating room contains items that are not monitors (warming blankets, humidified breathing systems, and large-bore intravenous lines) and therefore should not have been included.

The chapter on emergency and elective airway management spends a significant amount of time describing the theoretic use and methods of extrapulmonary gas exchange. Although interesting, this discussion seems out of place and should have been included in another section of the book. The same chapter contains a significant error when it states that a confirmatory sign of endotracheal intubation when using a colorimeter carbon dioxide detector is a characteristic pink to purple color, when, in fact, that color would indicate either esophageal intubation or low perfusion.

The information contained in some chapters is based largely on anecdotal experience or personal opinion. This is not surprising, if one considers the lack of scientific data in the field of trauma anesthesia.

Despite the above criticisms, this book presents an excellent update and broad review of known information and introduces areas not covered previously as part of trauma anesthesia. The ITACCS and the authors of this textbook are to be congratulated for reviving and expanding the commitment of anesthesiologists to the care of the trauma patients.

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The *Textbook of Trauma Anesthesia and Critical Care* could serve as a reference in anesthesiology training programs and should be included in the personal library of all trauma anesthesiologists. I hope that the publication of this book will accomplish one of the goals stated in its preface: "to stimulate anesthesiologists to perform the investigative research (both basic and clinical) that is needed to advance the field of trauma anesthesia and critical care."

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Books Received but Not Reviewed: July 1993 to December 1993

Title & Edition	Author/Editor	Publisher (Address, Name)	Date	Pages	Price (\$)
Thoroscopic Surgery	Kaiser, L. R., Daniel, T. M.,	Boston Little, Brown	1993	273	175.00
Sedation and Analgesia	Park, G. R., Gempeler, F.	London W. B. Saunders	1993	400	59.00
Oxygen Transport: Principles and Practice	Edwards, J. D., Shoemaker, W. C., Vincent, J. L.	London W. B. Saunders	1993	367	30.00
The Liver	Hawker, F.	London W. B. Saunders	1993	410	35.00
Pediatric Cardiac Anesthesia	Lake, C. L.	Norwalk Appleton and Lange	1993	573	98.00
Anesthesiology: Pre-Test, Self-Assessment and Review	Curry, S. E.	New York McGraw-Hill	1993	187	39.95
Anaesthesia A to Z	Yentes, S. M., Hirsch, N. P., Smith, G. B.	Oxford Butterworth-Heinemann	1993	473	79.95
Percutaneous Local Anesthesia	Woolfson, D., McCafferty, D.	London Ellis Horwod	1993	270	110.50
Memory and Awareness in Anesthesia	Sebel, P. S., Bonke, B., Winograd, E.	Englewood Cliffs Prentice-Hall	1993	519	128.00
Recent Advances in Critical Care Medicine, Volume 31	Rosenthal, M.	Boston Little, Brown	1993	257	85.00
Clinical Anesthesia Procedures of the Massachusetts General Hospital, 4th Edition	Davison, J. K., Eckhardt, W. F., Perese, D. A.	Boston Little, Brown	1993	711	31.50
Glucagon in Acute Medicine: Pharmacological, Clinical and Therapeutic Implications	Picazo, J.	Dordrecht Kluwer Academic	1993	172	38.00
Handbook for Anesthesia and Co-Existing Disease	Stoelting, R. K., Dierdorf, S. F.	New York Churchill-Livingstone	1993	412	23.95
Principles of Anesthesiology, 3rd Edition	Collins, C. J.	Malvern Lea & Febiger	1993	1692	196.50
Pediatrics for the Anesthesiologist	Berry, F. A., Steward, D. J.	New York Churchill-Livingstone	1993	396	59.95
Year Book of Anesthesia and Pain Management 1993	Miller, R. D., Abram, S. E., Kirby, R. R., Ostheimer, G. W., Roizen, M. F., Stoelting, R. K.	St. Louis Mosby	1993	502	64.95
Cardiopulmonary Bypass: Principles and Practice	Gravlee, G. P., Davis, R. F., Utley, J. R.	Baltimore Williams & Wilkins	1993	845	135.00
Salt and Water	Androque, H. J., Wesson, D. F.	Houston Libra & Gemini	1993	311	29.95

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Pulmonary Care of the Surgical Patient	Hanowell, L. H., Junod, F. L.	Mount Kisco Futura	1994	400	65.00
The Pulmonary Artery Catheter	Sprung, C. L.	Closter Critical Care Research Associates	1993	295	35.00
Sleep and Breathing	Saunders, N. A.	New York Marcel Dekker	1994	914	195.00
Nocturnal Asthma: Mechanisms and Treatment	Martin, R. J.	Mount Kisco Futura	1993	394	72.00
Clinical Atlas of Transesophageal Echocardiography	Goldman, M. E.	Mount Kisco Futura	1993	376	149.00
Anesthesiology Problem-Oriented Patient Management	Yao, F. S. F., Artusio, J. F.	Philadelphia J. B. Lippincott	1993	800	69.95
Handbook of Critical Care Pain Management	Hamill, R. J., Rowlingson, J. C.	New York McGraw-Hill	1993	620	55.00
Nutrition in Critical Care	Zaloga, G. P.	St. Louis Mosby	1994	902	79.95

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