

drugs are best absorbed in an alkaline environment and acidic drugs in an acid environment" (p 3). Specialized drug-transport mechanisms such as facilitated diffusion and active transport are not mentioned. Thus, in sharp contrast to most texts directed towards medical pharmacology, this volume fails to cover many of the basic principles on which rational therapy is based.

Within each drug group certain important aspects of pharmacology and therapeutics are inadequately treated. In particular, chemistry, structure-activity relationships, and mechanisms of action are poorly covered and few available products are mentioned. This is particularly disturbing in those chapters concerned with drugs that dentists routinely use, such as local anesthetics, or prescribe, such as antibiotics.

On the other hand, the book contains important information not contained in most texts of pharmacology. The material on the use of antiseptics in dentistry, prevention of dental caries, actions of fluoride on hard tissues, dentifrices, and some of the substances used in routine dentistry is not presented in many traditional texts. Although the basic pharmacology of drugs used in the management of infections in dentistry is incomplete, the discussion of the clinical applications of some of these agents is among the strongest sections of this work.

The book has little to offer the dental anesthesiologist. Its coverage of general anesthetics and drugs used in intravenous sedation provides the reader with only a superficial knowledge of the agents used, the mechanisms by which they act, and the clinical use of these drugs.

The extensive use of British drug names will undoubtedly be a source of confusion to American students and practitioners. Although most Americans will probably recognize adrenaline and noradrenaline as epinephrine and norepinephrine, and others would probably figure out that amylobarbitone and pentobarbitone are amobarbital and pentobarbital, I suspect

that only a minority would recognize pethidine (meperidine), amethocaine (tetracaine), and suxamethonium (succinylcholine). A glossary would have helped to avoid the necessity of being pharmacologically bilingual. The student might also be needlessly confused by slight differences in drug usage between Britain and the United States. For instance, the authors discuss the use of 1:80,000 epinephrine as a vasoconstrictor, yet the commercially available preparations in the United States generally contain 1:50,000 or 1:100,000 epinephrine. Other examples include a discussion of the use of chlorhexidine, a substance not yet approved by the FDA for use in this country, as an antiseptic useful in dental plaque control, and the use of metronidazole as the drug of choice for the treatment of acute ulcerative gingivitis.

Although the stated important goals of the authors included providing information on drug interactions, emergency drugs, and problems that might occur during dental procedures because of medical conditions, this material is not covered in a concise, easily identifiable, coherent manner. Rather, it is scattered throughout the volume in the considerations of the various drug groups. It would facilitate locating this important information if it were presented in separate chapters.

The authors have presented suggested additional readings at the end of each chapter. However, there are no text references to guide the serious student to study the data on which the text is based. A final comment concerns the quality of the binding. The cover came off my copy of the book and more than a dozen pages fell out during the first evening of reading.

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### Books Received

Title & Edition	Author/Editor	Publisher		
		Address, Name, Year	Pages	Price
<b>The Role of Immunological Factors in Infections, Allergic and Autoimmune Processes</b>	R. F. Beers, Jr. E. G. Bassett (Editors)	New York Raven Press 1976	555	\$32.00
<i>Eighth Miles International Symposium.</i>				
<b>Blood-Brain Barrier in Physiology and Medicine</b>	S. I. Rapoport	New York Raven Press 1976	328	\$25.00
<i>Integrated analysis of anatomy, ultrastructure, biochemistry, physiology and pathophysiology.</i>				
<b>Shock—Clinical and Experimental Aspects</b>	I. McA. Ledingham (Editor)	New York Elsevier Excerpta Medica 1976	342	\$44.25
<i>Compiled with an anesthetic readership in mind.</i>				
<b>Parenteral Nutrition</b>	F. W. Ahnefeld C. Burri W. Dick M. Halmagyi (Editors)	New York Springer-Verlag New York Inc. 1976	201	\$12.80
<i>Workshop and discussions with recommendations for day-to-day clinical practice.</i>				

Books Received (Continued)

Title & Edition	Author/Editor	Publisher		
		Address, Name, Year	Pages	Price
<b>The Cerebral Vessel Wall</b>	J. Cervós-Navarro E. Betz F. Matakas R. Wüllenweber (Editors)	New York Raven Press 1976	287	\$22.00
<i>Morphology, reactions, innervation, permeability.</i>				
<b>Physics for Anesthetists</b>	J. Duffin	Springfield, Ill. Charles C Thomas 1976	271	\$17.50
<i>Provides an understanding of the basic physics underlying anesthetic practice, and also an analytical method for applying such knowledge.</i>				
<b>Illustrated Manual of Fluid and Electrolyte Disorders</b>	R. D. Collins	Philadelphia J. B. Lippincott 1976	180	\$22.50
<i>Vivid pictures and meaty text geared to one purpose: diagnosis and treatment.</i>				
<b>Development of Upper Respiratory Anatomy and Function</b>	J. F. Bosma J. Showacre	Superintendent of Documents U.S. Govt. Printing Office Washington, D.C. 20402 1975	279	\$ 7.10
<i>Productive exchanges of a conference of developmental anatomists and physiologists with clinicians.</i>				
<b>Advances in Neurology Volume 14: Dystonia</b>	Roswell Eldridge Stanley Fahn	New York Raven Press 1976	509	\$35.00
<i>Substance of an international conference held in June 1975.</i>				
<b>Self-assessment of Current Knowledge in Anesthesiology</b>	David L. Trickley	Flushing, N.Y. Medical Examination Publishing Co., Inc. 1976	180	\$10.00
<i>1,142 multiple-choice questions and reference answers.</i>				
<b>Pediatric Anesthesia Case Studies</b>	John G. Adams	Flushing, N.Y. Medical Examination Publishing Co., Inc. 1976	190	\$10.00
<i>Some common and not-so-common clinical situations, presented for judgment decisions, with questions and answers and an appendix on intraoperative fluid therapy.</i>				
<b>Ryodoraku Treatment</b>	M. Hyodo	Japan Ryodoraku Autonomic Nerve System Society 1-4, Nakatsu Hondori Oyodoku, Osaka 531 Japan 1975	140	PNS
<i>Contains chapters on general regulation therapy with meridians (Ryōdōraku), local treatment, therapy using meridian points, and an appendix on acupuncture.</i>				
<b>Principles of Anesthesiology</b>	V. I. Collins	Philadelphia Lea and Febiger 1976	1,671	\$60.00
<i>Reference work for students and specialists on fundamental practices, physiologic and pharmacologic considerations of anesthesiology, and the practice of regional anesthesia.</i>				
<b>Pathophysiology</b>	E. Frohlich	Philadelphia J. B. Lippincott 1976	902	\$29.50
<i>The editor launched the series "Physiology for Physicians" in the New England Journal of Medicine. This book is intended to present a way of thinking of disease.</i>				

## Books Received (Continued)

Title & Edition	Author/Editor	Publisher		
		Address, Name, Year	Pages	Price
<b>Practical Regional Analgesia</b>	J. A. Lee R. Bryce-Smith (Editors)	New York Elsevier Medica 1976	232	\$29.95
<i>A brief monograph for experienced anesthetists, with chapters on pharmacology, local analgesia of the limbs and trunk, extradural and spinal block, obstetrics, and intractable pain.</i>				
<b>Organisatorische und praktische Erfahrungen des Notarztdienstes</b>	von Karl Bihler (Editor)	Stuttgart, Germany Georg Thieme Verlag 1976	67	PNS
<i>Pocket-book summary of emergency medical services.</i>				
<b>Acupuncture Anesthesia in the People's Republic of China</b>	Printing & Pub. Office, Natl. Acad. of Sciences	2101 Constitution Ave., N.W. Washington, D.C. 20418 1976	73	\$ 5.75
<i>Report of observations during a 3-week visit by a study group.</i>				
<b>Evaluations of Drug Interactions</b> Second edition	American Pharmaceutical Association	2215 Constitution Ave., N.W. Washington, D.C. 20418 1976	520	\$12.50
<i>115 monographs covering thousands of drugs, designed to assist detection and prevention of harmful effects of drug interactions.</i>				
<b>Basic &amp; Clinical Immunology</b>	H. H. Fudenberg	Los Altos, Cal. Lange Medical Publications 1976	653	\$12.50
<i>A text for medical students, house officers, graduate officers, and practicing physicians.</i>				
<b>Physics Applied to Anaesthesia</b> Third edition	D. W. Hill	Woburn, Mass. Butterworths Prof. & Educ. Publishers 1976	411	\$24.95
<i>Includes new material on fiberoptics, anesthesia machines, uptake and elimination of volatile anesthetics.</i>				
<b>The Story of Medico</b>	T. Morris	Baltimore Waverly Press 1975	62	PNS
<i>Medical International Cooperation Organization is a service of CARE (Cooperative for American Relief Everywhere) supported by voluntary contributions.</i>				
<b>The Consumer's Guide to Successful Surgery</b>	S. Isenberg L. M. Elting	New York St. Martin's Press 1976	341	\$10.00
<i>Two experienced surgeons explain the do's and don'ts of choosing a surgeon and picking a hospital. The title of Chapter Four declares: "Your Anaesthetist Is Also Your Doctor."</i>				
<b>Manual on Control of Infection in Surgical Patients</b>	Ed. by Subcommittee Chairman W. A. Altemeier, American College of Surgeons on Control of Surgical Infections and Postoperative Care	Philadelphia J. B. Lippincott 1976	280	\$16.00
<i>Aims at providing anesthesiologists and others with a useful up-to-date guide for the prevention and control of surgical infections. Collated and updated from four symposia.</i>				
<b>Anesthesia for the Surgery of Trauma</b>	A. H. Giesecke (Editor)	Philadelphia F. A. Davis 1976	116	\$15.00
<i>Informative basis for effective, intelligent management of the problems faced by anesthesiologists.</i>				
<b>Handbook of Medical Acupuncture</b>	F. Z. Warren	New York Van Nostrand Reinhold 1976	276	\$15.00
<i>Covers specific methods, seven surgical cases, and 1,600 chronic pain patients, and examines the analgesic mechanism and the influences of hypnotic and placebo effects.</i>				