

The author emphasizes the physiology and pathology of cardiac disease throughout the book. Valvular and congenital heart disease are the primary areas of focus of the work. The chapter on anesthesia for cardiac surgery in the first year of life, by D. J. Hatch, is outstanding, with a good discussion of specific lesions and profound hypothermia.

The book gives a somewhat dated picture of cardiac anesthesia and surgery, especially in the large sections on anesthesia for closed cardiac surgery and diagnostic procedures. The physiology, pharmacology and clinical management of coronary-artery disease and myocardial revascularization are barely mentioned. With coronary-artery surgery accounting for about 60-70 per cent of cardiac surgery in the United States, it is unfortunate that only two pages in the text deal with the patient undergoing coronary revascularization.

In addition, modern therapeutic and monitoring techniques are not covered. There is no discussion of pulmonary arterial cath-

eterization, ECG monitoring, or arrhythmia detection and treatment. Pharmacologic modalities such as vasodilator therapy for heart failure, and cardioplegic solutions, are not even mentioned. The intra-aortic balloon pump is dismissed in only two paragraphs, which state how poor the results have been. The principles of postoperative intensive care are covered on one page.

In short, this book presents in a didactic manner cardiac surgery at the present time in the United Kingdom. There is little discussion of alternate techniques and therapeutic modalities. The book is written in the British style and is quite clear. Unfortunately, it is out of date with respect to modern cardiac surgery and anesthesia in the United States.

JOEL A. KAPLAN, M.D.
Department of Anesthesiology
Emory University Hospital
1364 Clifton Road, N.E.
Atlanta, Georgia 30322

Books Received

Title & Edition	Author/Editor	Publisher		
		Address, Name, Year	Pages	Price
A Manual of Thoracic Surgery, Second edition	A. von Hippel	Springfield Charles C. Thomas 1978	247	\$13.75
<i>Thoracic physiology and surgery related to closed-chest drainage: inter alia the diaphragm, the chest wall, the pleura, air accumulations, the waterseal, the mediastinum, the lungs, the pericardium.</i>				
Leukocyte Chemotaxis: Methods, Physiology and Clinical Implications	J. I. Gallin P. G. Quie (editors)	New York Raven Press 1977	444	\$34.00
<i>Proceedings of a conference, 28 papers.</i>				
Second International Symposium on Malignant Hyperthermia	J. A. Aldrete B. A. Britt	New York Grune and Stratton 1978	560	\$25.50
<i>Forty-seven papers from the 1977 symposium: muscle pathophysiology, porcine model studies, predictive tests, clinical observations, current treatment.</i>				
Clinical Physiology of the Lung	K. B. Saunders	Philadelphia J. B. Lippincott 1978	255	\$26.00
<i>Bridges the gap between undergraduate curricula and advanced textbooks. Pulmonary mechanics. Gas exchange. Acid-base chemistry. The respiratory control system. Asthma. Chronic bronchitis and emphysema. Respiratory failure.</i>				
Immunotherapy of Cancer: Present Status of Trials in Man	W. D. Terry D. Windhorst	New York Raven Press 1977	726	\$49.50
<i>Symposium papers and discussions.</i>				
Antiepileptic Drugs: Quantitative Analysis and Interpretation	C. E. Pippenger J. Kiffin Penry H. Kutt (editors)	New York Raven Press 1977	384	\$29.50
<i>Analytic techniques; principles of clinical pharmacology and management; 28 papers from a symposium.</i>				
The Health of the People	A review of Health Services in the Republic of South Africa in the mid-seventies	Johannesburg, Republic of South Africa Chris van Rensburg Publications (Pty) Ltd. 1977	140	PNS
<i>Describes the country's efforts to aid all its peoples in enhancing the quality of their lives. Preface by J. de Beer, Secretary for Health.</i>				
Anesthesia in Obstetrics. Maternal, Fetal, and Neonatal Aspects	G. A. Albright	Menlo Park, California The Benjamin/Cummings Pub. Co. 1978	480	\$42.00
<i>Both a practice manual for beginners and a reference and refresher manual for the more experienced.</i>				

Books Received (Continued)

Title & Edition	Author/Editor	Publisher		
		Address, Name, Year	Pages	Price
Cerebral Vascular Smooth Muscle and Its Control	Ciba Foundation Symposium No. 56 (new series)	Philadelphia J. B. Lippincott 1978 (Excerpta Medica, The Netherlands)	408	\$35.50
<i>Papers and discussions by leading experts, under two main headings: response of the cerebral circulation to hypoxia, hypercapnia and perfusion pressure, and its response to alterations in cerebral metabolic rate.</i>				
Critical Care. The Fortieth Hahnemann Symposium	W. W. Oaks K. Bharadwaja D. A. Major (editors)	New York Grune and Stratton 1978	336	\$29.75
<i>A symposium from the Hahnemann Medical College and Hospital.</i>				
Gaddum's Pharmacology. Eighth edition	[Revised by] A. S. V. Burgen J. F. Mitchell	New York Oxford University Press 1978	269	\$11.95
<i>Intends to provide a sound foundation on which the use of drugs in human therapeutics can be built.</i>				
Enzymes in Anesthesiology	F. F. Foldes (editor)	New York Springer-Verlag New York Inc. 1978	368	\$34.80
<i>Eighty-eight pages on basic enzymology and chapters on acetylcholine metabolism, hepatic microsomal enzymes, catecholamine metabolism, the cyclic AMP system, respiratory enzymes, creatinine phosphokinase.</i>				
Critical Issues in Psychiatric Diagnosis	R. L. Spitzer D. F. Klein (editors)	New York Raven Press 1978	356	\$25.00
<i>Sections on the concept of mental illness, psychological testing, genetic studies, biochemical and EEG differences.</i>				
Taurine and Neurological Disorders	A. Barbeau R. J. Huxtable (editors)	New York Raven Press 1978	482	\$36.00
<i>Research suggesting a role for this amino-acid in such neurologic disorders as retinal degeneration, epilepsy, and the ataxias.</i>				
Frontiers in Neuroendocrinology, Volume 5	W. F. Ganong L. Martini (editors)	New York Raven Press 1978	399	\$24.50
<i>Twelve reviews, including reviews of opioid peptides and the opiate receptor, the brain isorenin-angiotensin system, neurophysins.</i>				
Clinical Anesthesia Procedures of the Massachusetts General Hospital	P. W. Lebowitz (editor)	Boston Little, Brown 1978	437	\$10.95
<i>A foundation of practical knowledge for the inexperienced or incompletely trained anesthetist, written primarily by recent house staff.</i>				
Brain Energy Metabolism	B. K. Siesjö	Somerset, New Jersey John Wiley & Sons, Inc. 1978	607	\$31.50
<i>A detailed discussion of the coupling of metabolism, blood flow, and function and malfunction in the brain, including anesthesia, analgesia, and sedation.</i>				
Physiology and Pathobiology of Axons	S. G. Waxman (editor)	New York Raven Press 1978	462	\$32.50
<i>A thorough compendium of the principles of structure and function of normal and abnormal axons.</i>				
Progress in Chemical Fibrinolysis and Thrombolysis, Volume 3	J. F. Davidson R. M. Rowan M. M. Samama P. C. Desnoyers (editors)	New York Raven Press 1978	631	\$45.00
<i>Up-to-date reviews of progress in fibrinolysis and related therapy.</i>				

Books Received (*Continued*)

Title & Edition	Author/Editor	Publisher		
		Address, Name, Year	Pages	Price
Medicine d'urgence	Ch. Virenque	31052 Toulouse Cedex, CHU Toulouse-Rangueil France 1978	233	25 French francs
<i>A practical guide to medical emergencies and their treatment.</i>				
Cell Differentiation and Neoplasia (30th Annual Symposium on Fundamental Cancer Research)	G. F. Saunders (editor)	New York Raven Press 1978	570	\$39.50
<i>From the viewpoint of cancer as a disease of cell differentiation. A symposium of 32 papers.</i>				
The Endorphins (Advances in Biochemical Psychopharmacology, Volume 18)	E. Costa M. Trabucchi (editors)	New York Raven Press 1978	396	\$28.00
<i>Thirty-two chapters survey the many facets of endorphin biochemistry, metabolism, and function.</i>				
Immune Modulation and Control of Neoplasia by Adjuvant Therapy	M. A. Chirigos (editor)	New York Raven Press 1978	520	\$39.00
<i>Reviews of findings with levamisole, glucan, thymosin, pyran; also other adjuvants.</i>				
Clinical Neuropharmacology, Volume 3	H. L. Klawans (editor)	New York Raven Press 1978	221	\$19.50
<i>Eleven critical reviews on the pharmacology of convulsive disorders, the roles of serotonin, enkephalin and the endorphins, and other topics.</i>				
Parkinson's Disease A Guide for Patient and Family	R. C. Duvoisin	New York Raven Press 1978	196	\$ 9.50 (Paperback)
<i>Discusses the fundamental pathology, symptoms, course, and treatment by older and new drugs.</i>				
Evaluations of Drug Reactions, Second edition supplement	Published by the American Pharmaceu- tical Association	2215 Constitution Ave. N.W. Washington, D. C. 20037 1978	626	\$ 7.00 (APhA member rate \$4.00) (Paperback)
<i>Contains 36 additional evaluations and a new feature, 31 abbreviated monographs.</i>				
Carcinogenesis, Volume 2 Mechanisms of Tumor Promotion and Cocarcinogenesis	T. J. Slaga A. Sivak R. K. Boutwell (editors)	New York Raven Press 1978	605	\$45.00
<i>Directed to all scientists interested in better understanding the induction of cancer.</i>				
Pain—New Perspectives in Measurement and Management	A. W. Harcus R. B. Smith B. A. Whittle (editors)	New York Churchill Livingstone 1978	194	\$23.50
<i>Based on a two-day symposium held in May 1977.</i>				
Hepatotoxicity	H. J. Zimmerman	New York Appleton-Century-Crofts 1978	597	\$48.50
<i>General considerations. Experimental hepatotoxicity. Environmental hepatotoxicity. Iatrogenic hepatic injury, including a long chapter on anesthetic agents.</i>				
General Surgical Operations	R. M. Kirk (editor)	New York Churchill Livingstone 1978	412	\$37.50
<i>A practical manual for the general surgeon. Includes a chapter on anesthesia-related techniques.</i>				

In modern portable, digital chest drainage systems, the collection chamber is integrated into the system. During the suction process, fluid will be collected in the chamber and air discharged into the atmosphere.[2]. Digital chest drainage systems have many advantages compared to traditional, analogue systems: Mobility: enhanced mobility increases the quality of life and accelerates the recovery.[3]. Real time data collection: air leaks and fluid production can be tracked in real time by following the paddle-wheel-principle in ml/min.Â

Media related to Chest drainage management at Wikimedia Commons. v. t.Â Chest wall, pleura, mediastinum, and diaphragm. pleura/pleural cavity. Thoracentesis. Pleurodesis. Chest X-ray Anatomy Diaphragm. Key points. The hemidiaphragms are domed structures. Each hemidiaphragm should be well defined. The right hemidiaphragm is slightly higher than the left. The liver is located inferior to the right hemidiaphragm. The stomach and spleen are located inferior to the left hemidiaphragm. The hemidiaphragm contours do not demarcate the lowest part of the lungs. The diaphragm separates the lungs from the abdominal organs. The abdominal organs are more dense (whiter) than the air-filled lungs (black). Each hemidiaphragm should appear as a smooth, domed contour. The righ > â†work of breathing ĩ,— m/c accidental chest trauma or after CPR ĩ,— supportive care with oxygenation, clear airways, and prevention of infection, artificial ventilation(ventilatory failure), and chest fixation (large flail chest) THE CHEST WALL 13 C. THE PLEURA Definition 14 Parietal Pleura Visceral Pleura Cover surfaces chest wall, diaphragm, and mediastinum Lungs, including interlobar fissures Blood supply systemic circulation.Â Accumulation of pleural fluid Impaired lymphatic drainage from the pleural space (malignant effusion) â†'