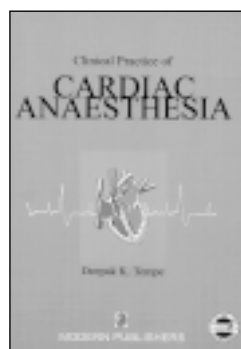


## **Clinical Practice of Cardiac Anaesthesia**

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It is the most appropriate time to have the 2<sup>nd</sup> edition of the book 'Clinical practice of Cardiac Anaesthesia'. More and more centres are emerging all over India providing cardiac care and it is necessary to have a reference book for the anaesthesiologist, who has to deal with various cardiac patients for noninvasive and invasive procedures in the

catherisation room, for noncardiac surgery and finally for cardiac surgery itself. While writing on each topic, the author has taken special effort to describe the historical aspects as well as the latest techniques. The book gives special consideration to Indian circumstances and facility and drugs available in India. Extensive reference to existing literature and vast personal experience of the author has resulted into comprehensive useful information. The diagrams are simple and self-explanatory.

Chapter on valve surgery gives a thorough explanation of End Systolic Pressure Volume relationship (ESPVR) and this goes a long way in understanding pathophysiology of valvular heart disease. Port-Access Surgery for valve repair is successfully carried out in many centres. Anaesthetic considerations for this surgery might have been included in this chapter. Elderly patients undergoing noncardiac surgery and those who have aortic stenosis can be evaluated by the

recently available techniques of CT and MR angiography without subjecting the patient to cardiac catheterisation.

Chapter on congenital heart disease is superbly simplified yet goes into minutest relevant details of anatomy, physiology and surgical procedure in general and discussion on important specific operations. In the chapter of management of cardiopulmonary bypass, details of various priming solution and formulae to achieve desired haematocrit by addition of appropriate volume of red cells would need mention. The chapter on anticoagulation is excellent, the complicated topic is presented in a very practical and simplified manner and covers heparin and protamine alternatives in detail.

In my opinion topics such as aortic aneurysm and their management, perioperative renal dysfunction, management of cardiac transplantation, cardiac surgical emergencies and Robotic cardiac surgery could have been included in the book. I also feel that guidelines on establishing a cardiac centre and contribution of the anaesthesiologist towards that end would also be useful to the reader. Overall it is an excellent book useful to the cardiac anaesthesia resident as well as a reference book for a practicing experienced consultant.

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The Society of Cardiovascular Anesthesiologists is an international organization of physicians promoting excellence in patient care through education and research for patients undergoing cardiothoracic and vascular procedures. It is dedicated to the continuing education and professional development of sub-specialists in cardiovascular and thoracic anesthesiology. Members are experts in foundation and application of perioperative echocardiography and perioperative ultrasound. Join a Community of Cardiovascular Anesthesiology Leaders. SCA supports your professional development through quality education opportunities, collaborations, and networking! Join SCA. Assessment of cardiac risk, anaesthetic agents, physiology of the cardiovascular system, and haemodynamic monitoring during cardiac surgery. The physiology chapter is very basic, as the cardiac pathophysiology is included in chapters on. The book provides a wealth of information on the clinical practice of cardiac anaesthesia. It is truly admirable, how Professor Tempe succeeded again in providing a concise. Cardiac Anesthesia: Principles and Practice. Edited by Fawzy G. Estafanous, M.D., Paul G. Barash, M.D., and J. G. Reves, M.D. Contributing Authors | Preface to The First Edition | Preface | Book Info | Dedication. Contents: I: foundations of cardiac anesthesia. 1. History of cardiac surgery and anesthesia. by EUGENE A. HESSEL, II. 2. Principles of cardiovascular physiology. by GEORGE J. CRYSTAL. 3. Cardiac pharmacology. by DEBRA A. SCHWINN. 4. Pharmacologic management of arrhythmias. by JEFFREY R. BALSER. 5. Diagnostic and interventional cardiac catheterization. by JOHN J. WARNER and THOMAS M.