

# Key Questions in CARDIAC SURGERY



2nd edition

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Foreword by Andrew S. Wechsler

# Key Questions In Cardiac Surgery

**Dr Bhuvaneswari Krishnamoorthy**



## **Key Questions In Cardiac Surgery:**

**Key Questions in Cardiac Surgery** Narain Moorjani,,Nicola Viola,,Sunil K Ohri,2011-03-01 Winner of a HIGHLY COMMENDED AWARD in the Surgical specialties category of the 2011 BMA Medical Book Competition Key Questions in Cardiac Surgery will systematically cover all the main topics involved in the current practice of a cardiac surgeon It will incorporate current guidelines for practice such as from the American Heart Association and European Society of Cardiology and up to date information based on current literature The data and body of knowledge presented in this book are strictly evidence based which makes it ideal as a revision aid for residents registrars undertaking their Cardiothoracic Surgery Board examinations around the world Although these examinations vary in format in different countries this book is applicable to all cardiothoracic surgical trainees Its concise yet complete coverage of the important topics make it the ideal guide to answer the key questions in cardiac surgery that are asked within the confines of an examination Cardiologists cardiothoracic intensive care unit specialists nursing staff physiotherapists and other professions allied to medicine both surgical and cardiological will also find the book useful in terms of the indications and surgical management of these patients as they are integral to the cardiac surgical process [Key Questions in Congenital Cardiac Surgery](#) Narain Moorjani,Nicola

Viola,Christopher Caldarone,2022-05-01 Following on from the success of the international bestseller Key Questions in Cardiac Surgery the long awaited Key Questions in Congenital Cardiac Surgery is the latest book in the Key Questions series to be released Key Questions in Congenital Cardiac Surgery systematically covers all the main topics involved in the current practice of a congenital cardiac surgeon incorporating current guidelines for practice such as from the American College of Cardiology American Heart Association British Paediatric Cardiac Association and European Society of Cardiology and up to date information based on current literature Each chapter is structured to include the etiology pathophysiology clinical features indications for surgery peri operative management surgical options and postoperative care Possible complications are discussed and the results of current practice presented Importantly a section on basic sciences related to the practising congenital cardiac surgeon and a further section on congenital cardiac investigations with many images illustrating the variety of pathologies are included Each chapter also contains important references for further reading and greater depth of knowledge The data and body of knowledge presented in this book is strictly evidence based and is relevant to all congenital cardiac surgical trainees at any stage of their training programme It provides residents fellows and specialist registrars the necessary information to carry out their daily duties Congenital cardiologists and pediatric cardiac intensive care unit specialists also find the book useful in terms of the indications and surgical management of these patients as they are integral to the congenital cardiac surgical process Another important group is the nursing staff physiotherapists and other professions allied to medicine working with patients with congenital cardiac disease either pre operatively or postoperatively as the book helps to give a detailed understanding of the principles surrounding congenital cardiac surgical disease Most

importantly the book is ideal as a revision aid for residents registrars undertaking their Cardiothoracic Surgery Board examinations around the world Although these examinations vary in format in different countries this book is applicable to all cardiothoracic surgical trainees Its concise yet complete coverage of the important topics make it the ideal guide to answer the key questions in congenital cardiac surgery that are asked within the confines of an examination

**Key Questions in Cardiac Surgery, 2nd edition** Narain Moorjani, Nicola Viola, Christopher Caldarone, 2024-01-01 This is the 2nd edition of Key Questions in Cardiac Surgery which has become the must read book for all cardiac surgical practitioners and is part of the revolutionary Key Questions series of cardiothoracic surgical textbooks including Key Questions in Thoracic Surgery and Key Questions in Congenital Cardiac Surgery The 1st edition was an international bestselling cardiac surgical textbook for many years being the most popular cardiac surgical book on amazon with amazing feedback and reviews It also received a Highly Commended Award at the British Medical Association BMA Medical Book Awards and has been placed on the US Thoracic Surgery Directors Association TSDA recommended reading list for American cardiothoracic surgery residents and fellows Key Questions in Cardiac Surgery provides a systematic overview of the important topics in contemporary adult cardiac surgical practice The text is evidence based incorporating current literature and has been updated from the 1st edition with the most recent American Heart Association and European Society of Cardiology guidelines This illustrated concise text is a practical and clinically focused book that covers all the key questions in cardiac surgery Additional chapters on statistics and pulmonary embolism have been included with the main chapters having been updated describing contemporary surgical techniques and management philosophies Whilst being an ideal reference for cardiac surgical trainees and residents especially when undertaking their cardiothoracic surgery board examinations this book is also of great value to other specialties involved in the care of cardiac surgical patients including cardiologists cardiothoracic intensivists nurses and physiotherapists Here are just a few of the reviews on the 1st edition Although this book is aimed at cardiac surgical trainees and residents the authors refreshing approach of posing questions and answers as a teaching tool makes this a joy to read for someone who has been practising cardiac surgery for over 30 years It is beautifully presented with exceptionally clear diagrams interposed with photographs a combination which works well Overall this is an exceptionally well produced book which is a delight to read and is likely to run to several more editions Professor of Cardiac Surgery Royal Brompton Hospital London UK on behalf of the British Journal of Cardiology I recommend this book for cardiac surgery trainees full fledged surgeons and also for other medical practitioners wanting a brief and precise overview into our speciality without having to pick up heavy textbooks and spend precious time searching for information Professor of Cardiac Surgery University Hospital Zurich Switzerland on behalf of the European Society of Cardiology The title of this book Key Questions in Cardiac Surgery is appropriate since it covers systematically all questions asked in examinations or during the ward round It is written in a question answer format which makes it interesting to read The illustrations are very good The diagrams have

been made in such a way that they provide a surgeon's view. This book is based on the guidelines issued by the American Heart Association and European Society of Cardiology and incorporates facts based on current scientific literature. Each chapter has a list of key scientific references for further reading. We would recommend this book as a companion for all cardiac surgery and cardiology trainees, perfusionists, and cardiac anaesthesiologists. Overall, this book provides a practical and new approach to understand adult cardiac surgery.

Professor of Cardiac Surgery, Editor in Chief on behalf of the Indian Journal of Thoracic and Cardiovascular Surgery. A wonderful book I have been looking for such a book for a very long time. It gives a global view on all aspects of adult cardiac surgery with emphasis on the important points. It is written in a very smooth and easy way. Its size is perfect so it can be carried everywhere. In my opinion, it is a must-have book if one is preparing for the speciality exam. Junior and senior trainees will also find it helpful during their career.

Waterstones review: it is a definite must-have for all cardiac surgery trainees. It not only covers practical issues but also those areas that are favourites of examiners. It will also be of use to those experienced cardiac surgeons who have to take recertification exams in the US or for those who are simply looking for questions and the answers to throw out on ward rounds.

Amazon review: What a fantastic book that covers all the important topics for everyday practice in cardiac surgery. It answers all the questions asked on a ward round and also the exams and is perfect to read between cases or whilst on call. The book is written in a concise, structured, and easy-to-read manner. The best part of the book is its colour illustrations and the text. They seem to have been drawn from a surgical perspective and beautifully illustrate the important features when operating. On top of that, the book has hundreds of cardiac investigations images that demonstrate all the different pathologies.

Amazon review: Covering all aspects of cardiothoracic surgery by highlighting the most important details, for sure it can be the guide for every cardiothoracic trainee. Easy to read and understand, perfect illustrations, and full of secrets and details that only experienced surgeons would be aware of.

Amazon review: This is an amazing book. It is the only text I came across that puts all the important information in one place without having to dig around the internet or several textbooks. The book is very well written with a simple question and answer style that also lends itself to reading in small segments as well as concentrated revision. It comprehensively covers the basic sciences, cardiac investigations, cardiopulmonary bypass, cardiac surgical diseases, and the post-operative management of these patients. It answers all the questions that are asked in the operating room on rounds or in an oral examination. Unlike other revision texts, this book has an amazing array of colour images, both illustrations and real radiology, cardiology investigations which help to explain the key concepts. Surgical anatomy and technique is clearly demonstrated. The book also has a fantastic collection of all the seminal publications important for contemporary cardiac practice, especially in the coronary artery disease and heart failure chapters. It also includes all the up-to-date American and European guidelines, including the recently published ESC coronary revascularisation recommendations.

Amazon review: *Key Questions in Congenital Cardiac Surgery* Narain Moorjani, Nicola

Viola, Christopher A. Caldarone, 2022 Cardiothoracic Manual for Perioperative Practitioners Dr Bhuvaneshwari Krishnamoorthy, 2020-02-03 Cardiothoracic surgery is constantly evolving in many aspects and there are many text books exist to fulfil the gap of new evidences Most of these books are written for surgeons anaesthetist and there is a significant deficit in many important areas which are explored in this book It is aimed for all perioperative practitioners such as surgical care practitioners surgical cardiothoracic trainees anaesthetic trainees anaesthetic practitioners recovery practitioners ward advanced nurse practitioners and perfusionists It is very important for the perioperative practitioner who wants to start their career in cardiothoracic surgery to understand the step by step surgical procedure is vital Cardiothoracic Manual for Perioperative Practitioners is devoted to delivering comprehensive coverage of all aspects of cardiothoracic surgery with emphasis on the roles and importance of the full theatre team Details are provided throughout initial theatre set up and surgical instrumentation selection A step by step walk through of routine surgical procedures cardiopulmonary bypass guidance investigations undertaken during the intraoperative period and a detailed background of surgical anatomy is provided The book also covers essential aspects associated with recovery of the patient and the common pit falls in surgery and recovery and how these can be avoided The structure and organisation of the theatre environment ethical and legal issues preventive and protective measures and the importance of swab counts are explained succinctly and systematically by experts in this field The reader will have reliable and complete guidance to provide all the knowledge required to be ready to work in the theatre environment Each chapter contains important references for further reading and greater in depth study All chapters are written by an experienced practising surgeons anaesthetists and practitioners Contents Health care professional roles within the operating room Ethical implications in perioperative area Cardiothoracic theatre set up Cardiac and thoracic anatomy Preoperative assessment in cardiothoracic surgery Coronary artery disease and coronary surgery Aortic valve disease and aortic valve surgery Mitral valve disease and mitral valve surgery Cardiopulmonary bypass Surgery for aortic root disease Thoracic surgery Cardiothoracic critical unit postoperative care Responsibilities of the post anaesthetic care unit practitioners and enhanced recovery Overview of advanced practice in cardiothoracic surgery Step by step cardiac surgical procedure with instrumentation *Key Questions in Thoracic Surgery* Narain Moorjani, Nicola Viola, William S. Walker, 2015-08 This text systematically covers all the main topics involved in the current practice of a thoracic surgeon incorporating current guidelines for practice Each chapter includes etiology pathophysiology clinical features indications for surgery peri operative management surgical options and postoperative care **Core Topics in Cardiac Anaesthesia** Jonathan Mackay, Joseph Arrowsmith, 2004-06-17 This text has been written by a multidisciplinary team of international authors Its aim is to provide a concise introduction and a comprehensive coverage of all key issues in the field With extensive illustrations to facilitate learning and recall the text puts an emphasis on pathophysiology as the key to understanding the principles of practice of cardiac anaesthesia and intensive care **200 Practice Questions in**

**Cardiothoracic Surgery** Shahzad G. Raja, 2015-06 This is a revision and learning aid that contains the 200 single best question and answer topics in Cardiothoracic Surgery Questions cover topics that are particularly important from a specialty examination perspective Detailed answers are included to further enhance knowledge and understanding Authored by an experienced clinician lecturer and author Dr Shahzad G Raja this book understands which questions candidates find most challenging and offers a lifeline to those in particular who must revisit the subject for their specialty exams in Cardiothoracic Surgery It responds directly to the increasing use of SBAs as an examination style in postgraduate examinations Questions integrate relevant basic science and pathology with clinical Cardiothoracic Surgery Realistic case based questions cover important pathologies Multi dimensional questions encourage problem solving helping candidates connect together multiple pieces of information as clinicians do with real patients The book provides detailed explanations for each correct answer Challenging questions enhance preparation for harder exam questions This book should be part of the armoury of every specialty exam candidate in Cardiothoracic Surgery as well as a resource for residents in Cardiothoracic Surgery

**Paediatrics: Key Questions Answered** Jonathan Round, 1999-01-21 Paediatrics Key Questions Answered has been designed for the student in clinical medicine to learn and revise paediatrics Taking an integrative approach this book covers the undergraduate medical curriculum and the Diploma of Child Health There are more than 200 key questions testing knowledge data interpretation and reasoning skills and the book includes full answers with additional learning points

Essential Med Notes 2022 Yuliya Lytvyn, Maleeha A. Qazi, 2022-02-16 The Toronto Notes for Medical Students Inc is excited to present the 38th edition of Essential Med Notes a trusted medical review text cherished by trainees and physicians throughout Canada and around the world Available now this comprehensive medical review textbook is aligned with the most recent MCCQE objectives making it ideal for students studying for licensing exams or looking to complement their medical school knowledge with a concisely written thorough resource New to Essential Med Notes 2022 is updated and streamlined Evidence Based Medicine content with all clinical chapters now including a table of often discussed Landmark Clinical Trials that will further deepen your understanding of clinical practices Alongside our textbook wide revisions the Cardiology and Cardiac Surgery the Geriatric Medicine and the Infectious Diseases chapters have all been thoroughly revised and expanded In addition to content updates the Essential Med Notes 2022 Clinical Handbook chapters now include a section on Do Not Miss Diagnoses to guide your learning during clerkship rotations Key Features include Comprehensive medical textbook Three separate volumes Complementary Essential Med Notes website Clinical Handbook a MUST for clerkship Single Best Answer Questions in Cardiothoracic Surgery Shahzad Raja, G., 2012-09-01 Recent reforms in medical education have prompted the replacement of subjective examination methods with Multiple Choice Questions MCQs and Single Best Answer SBA questions at all levels In fact single best answer questions are fast becoming the sole method of assessment in undergraduate as well as postgraduate examinations This book provides a comprehensive revision aid for residents registrars

undertaking their Cardiothoracic Surgery Board examinations around the world including the FRCS Cardiothoracic Surgery examination the American Board of Thoracic Surgery examination and the Royal Australasian College of Surgeons Board of Cardiothoracic Surgery examination Although these examinations vary in format in different countries this book is applicable to all cardiothoracic surgical trainees The book comprises over 300 single best answer practice questions with each question carefully formulated to cover an important topic in cardiothoracic surgery A considerable number of these questions have been drawn from past examinations This book contains a substantial number of patient based questions or clinical vignettes that will enable prospective candidates to test their ability to integrate key basic science concepts with relevant clinical problems In addition factual recall questions have been included that probe for basic recall of facts Detailed and comprehensive explanations rather than just brief answers have been provided so that candidates do not have to consult textbooks for clarification as is the case with many other MCQs books currently available in the market A list of relevant references is provided at the end of each answer to enable candidates to read the most up to date journal articles on the subject

*Year Book of Thoracic and Cardiovascular Surgery*, 1995

**Critical Care** Taylor Johnston, Steven Miller, Joseph Rumley, 2022-05-27 Critical Care A Problem Based Learning Approach provides a comprehensive review of the dynamic and ever changing field of critical care Its problem based format incorporates a vast pool of practical ABA board exam style multiple choice questions for self assessment and is an ideal resource for exam preparation as well as ongoing clinical education among trainees and clinicians Each of its 35 case based chapters is accompanied by questions and answers accessible online in a full practice exam The cases presented are unique as each chapter begins with a case description usually a compilation of several actual cases it then branches out through case based questions to increasingly complex situations This structure is designed to create an authentic experience that mirrors that of working through the nuances of a complicated clinical scenario The discussion sections that follow offer a comprehensive approach to the chapter's subject matter thus creating a modern complete and up to date medical review of that topic

*Critical Care Nursing Certification Review: CCRN Prep and Practice Exams, Eighth Edition* Alexander Johnson, Hillary Crumlett, 2024-04-05 The most effective study guide for the Critical Care Nursing Certification Exam now with all new artwork Critical Care Nursing Certification Review is a comprehensive single source review that covers everything you need to know to excel on the examination administered by the American Association of Critical Care Nurses AACN Unlike dull dry outline style reviews this score boosting resource is presented in short easy to read chapters that are similar what you would hear at a well planned lecture Following the CCRN blueprint coverage of each subject is weighted to reflect its level of importance on the actual exam Ten practice exams mostly centered around body systems help you identify weak areas and sharpen your test taking skills Chapters cover all the systems and topics you need to master including Cardiovascular Pulmonary Endocrine Immunology and Hematology Neurology Gastroenterology Renal Multi organ Problems Professionalism Ethics and Synergy Behavior

*Diagnosis and Management of Adult Congenital Heart Disease*, E-Book Michael A. Gatzoulis, Margarita Brida, Gary D. Webb, Piers E. F. Daubeney, 2025-12-10 Written and edited by the world's leading ACHD experts *Diagnosis and Management of Adult Congenital Heart Disease* Fourth Edition provides up to date must know information in this increasingly important field. It offers essential guidance on anatomical issues, clinical presentation, diagnosis, and management options available to clinicians and allied professionals who work with adults with congenital heart disease. Comprehensive and practical, this outstanding resource is invaluable for all involved with the care, challenges, and opportunities of the ever-growing number of patients born with CHD, the most common inborn defect worldwide. Presents each CHD lesion oriented chapter in a consistently templated format covering incidence, genetics, morphology, presentation, investigations, and imaging and treatment and interventions. Focuses on clinically practical and actionable content and an all new, freely accessible section with basic information for ACHD patients and non-ACHD caregivers on individual CHD lesions. Contains 350 illustrations featuring ECGs, echocardiograms, CTs, MRIs, full color anatomic drawings, and graphic diagrams. Discusses key topics such as pregnancy, arrhythmia, and heart failure management, psychosocial issues in ACHD, supportive and palliative care for end stage ACHD, cardiac rehab, liver interactions, ventricular mechanical support, transplantation, and advice regarding patients undergoing non-cardiac surgery. Provides content specifically for nurses, nurse practitioners, and other allied professionals who now more than ever play an important role in the care of the adult with CHD. Any additional digital ancillary content may publish up to 6 weeks following the publication date. *A Supplement to New Frontiers in Geriatrics Research* Joseph LoCicero (III), 2007 **Journal of Cardiovascular Surgery**, 2003. Some vols include special issues covering the proceedings of the congresses of the European Society of Cardiovascular Surgery or the International Cardiovascular Society.

**Essential Med Notes 2021** Megan Drupals, Matthaeus Ware, 2021-01-24 *Essential Med Notes* is a clinical complement and resource for medical trainees. This 37th edition features substantial revisions to the main text, figures, graphics, and evidence-based medicine boxes of all 31 chapters across Primary Medicine and Surgery. Key Features: Comprehensive medical textbook concisely written with in-depth coverage of 31 medical specialties, comprehensively updated and edited by over 200 students and 100 staff faculty. Three separate volumes of the textbook: Primary Medicine and Surgery provide readers with lighter, more portable books for their studies. *Essential Med Notes* website: [essentialmednotes.com](http://essentialmednotes.com) which offers readers complementary colored atlases, practice questions, and other useful resources for each medical specialty. Common medical acronyms and abbreviations list included at the beginning of each textbook as an easy-to-use reference and guide to the texts. The companion *Clinical Handbook* included in this package: a condensed and practical guide to common clinical problems seen in clinics, the OR, and hospital wards. This portable resource is essential for clerkship; it is the perfect resource to prepare you for all your clinical rotations. The handbook includes the *STAT Notes* which is a step-by-step approach to 30 common ward scenarios and the ultimate guide to managing on-call issues. The *Clinical Handbook* is included in this eBook.

package     **Advances in Cardiovascular Surgery** John Webster Kirklin,1973     **Cardiac Surgery** Shahzad G. Raja,2020-02-11 This textbook provides a succinct overview of cardiac surgery with key concepts being emphasized throughout An abundance of illustrations intra operative photographs tables as well as information boxes aids the reader to visualise grasp and retain difficult concepts The inclusion of evidence based approaches to the management of a range of cardiac surgical conditions equips the reader with an understanding of how to overcome a variety of potentially tough clinical challenges Concise Cardiac Surgery A Complete Guide comprehensively covers a range of techniques used in cardiac surgery It is therefore an ideal resource for the trainee and practising cardiac surgeon seeking a practically focused text detailing how to apply the latest techniques and evidence based approaches in their day to day practice

## Reviewing **Key Questions In Cardiac Surgery**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Key Questions In Cardiac Surgery**," an enthralling opus penned by a very acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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