

VASOACTIVE MEDICATIONS

Clinical Rationale for Use → to facilitate clinical recovery by increasing cardiac output and/or vascular tone

Inotropes

* need to correct any fluid deficits in pt first before use *

→ affects the force of myocardial contraction

- Dopamine
- Dobutamine
- Milrinone

Vasopressors

→ stimulates contraction of capillary, arterioles & veins → increase to blood flow thus ↑ BP

- Epinephrine
- Norepinephrine
- Phenylephrine
- Vasopressin

Dopamine

→ the way it "acts" depends on how fast it's run

- ↑ myocardial contractility → ↑ HR
- ↑ renal vascular vasodilation = ↑ blood flow to kidney

* ↑ HR & ↑ BP is effect of ↑ flow & ↑ fluid

Clinical uses: cardiogenic shock, vasodilation, shock, symptomatic bradycardia

Dobutamine

→ onset 1-2 min, peak 10 min, half-life 2 min

- * can use as inotropes
- * hypotension must be corrected
- ↑ myocardial contractility
- ↑ myocardial oxygen consumption
- promotes a "good squeeze" = ↑ cardiac output

Clinical uses: ↓ cardiac output, cardiogenic shock, sepsis

Milrinone

→ potent inotropes and vasodilator

- half-life 2 hours
- good option for pt's who don't respond to dopamine
- ↑ contractility, improves diastolic relaxation

Clinical uses: low cardiac output, heart failure (esp @ side HF)

Vasoactive Drugs Study Guide

**Marilynn E. Doenges, Mary Frances
Moorhouse, Alice C. Murr**



Vasoactive Drugs Study Guide:

Critical Care Study Guide Gerard J. Criner, Gilbert E. D'Alonzo, 2013-03-09 Critical care medicine is a dynamic and exciting arena where complex pathophysiologic states requiring extensive knowledge and clinical acumen are commonly found. Caring for critically ill patients requires an extensive knowledge of basic pathophysiology as well as awareness of the appropriate diagnostic tests and therapeutic interventions. Because this knowledge base crosses many different disciplines, introduction to caring for the intensive care patient while exciting may also be intimidating. This textbook is designed toward making the dynamic environment of the critical care unit understandable and the approach to the patient both logical and successful. The book contains three components: 1. description of the procedural tasks commonly performed for the critically ill patient; 2. explanation of the most common pathophysiologic states encountered; and 3. description of specific disease entities with details of their differential diagnosis, diagnostic strategy, and therapeutic plan. This book also uses several educational approaches that we have found useful in our own teaching sessions and prior textbooks. Clinical cases introduce chapters and highlight chapter segments to emphasize clinical relevancy. As an additional study aid, margin notes highlight important teaching points and facilitate easy review of chapter content. To consolidate the principles outlined in each chapter, review questions with full text explanations are provided at the end of each chapter. All these elements help reinforce the most important messages for the reader.

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Guide Eryl Davies, 2022-12-30 This book is the definitive guide to the Final Fellowship of the Faculty of Intensive Care Medicine FFICM Structured Oral Examination With a broad coverage of the clinical curriculum it equips candidates to tackle this challenging examination Each chapter contains sample questions with concise answers focusing on key concepts to facilitate deeper understanding The content is organised by subject enabling more structured revision in an easy to use format This text provides references to guidance that will remain relevant in the ever changing landscape of intensive care medicine Not only is this book an essential resource for studying intensivists but it also forms a useful reference for any professional encountering the world of critical care in their practice

The Final FRCA Constructed Response Questions

Elizabeth Combeer, Mitul Patel, 2023-12-28 This up to date study guide for the Final FRCA CRQ comprises questions based on every topic examined in the Royal College of Anaesthetists RCoA Final written exam from the past 12 years It therefore covers the areas of the syllabus that are key to exam success offering factual learning and the opportunity to practise CRQ style questions with chapters that reflect the RCoA syllabus format to help organise learning The inclusion of diagrams and additional commentary ensure that this book will help candidates to learn rather than just providing a list of suggested model answers Advice is offered about revision approaches best sources of learning for the examination and guidance on structuring answers which will support exam success in all parts of the Final FRCA This resource will save hours of work for anaesthetists preparing for the Final FRCA

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needed before taking the pediatric board exam **Nursing Diagnosis Manual** Marilyn E. Doenges, Mary Frances Moorhouse, Alice C. Murr, 2022-02-01 Identify interventions to plan individualize and document care Updated with the latest diagnoses and interventions from NANDA I 2021 2023 here is the resource you will turn to again and again to select the appropriate diagnosis and to plan individualize and document care for more than 800 diseases and disorders Only in the Nursing Diagnosis Manual will you find for each diagnosis defining characteristics presented subjectively and objectively sample clinical applications to ensure you have selected the appropriate diagnoses prioritized action interventions with rationales a documentation section and much more *The Final FRCA Short Answer Questions* Elizabeth Combeer, 2018-10-03 This guide to the short answer question section of the final FRCA not only comprehensively covers the subject matter of the exam with past paper examples it also guides trainees on the most effective manner in which to approach the questions Chapters reflect the different topics contained within the examination including pain medicine ICM paediatric anaesthesia and more Every question from the past 6 1 2 years of examinations is addressed and the ideal style in which to answer an SAQ covered in depth This guide will be gold dust to the candidate preparing for the final FRCA providing all the answers as well as the best way to present them It will save hours of research and preparation PCCN® Exam Prep Study Guide Springer Publishing Company, 2023-03-15 PCCN Exam Prep Study Guide gets right to the point with a targeted content based on the latest AACN exam blueprint This easy to follow guide includes all the tools you need to prepare practice and pass the exam and nothing you don't PREPARE Concise coverage of the content you will be tested on Quick reference features with complications alerts and nursing pearls Need to know information to prepare you for exam day PRACTICE Two full length practice tests one in book and one online to assess your readiness and simulate the test taking experience Detailed rationales for correct and incorrect answers Pop quizzes that highlight key information you don't want to miss PASS The first time with Springer Publishing Exam Prep's 100% Pass Guarantee With confidence knowing you're well prepared with all the skills and knowledge you need on exam day and in practice With pride in your commitment to patient health and safety PCCN is a registered trademark of the American Association of Critical Care Nurses AACN AACN does not endorse this resource nor does it have a proprietary relationship with Springer Publishing Company

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