

ACLS Study Guide 2016

Mandatory Precourse Self-Assessment at least 70% pass. Bring proof of completion to class.

The ACLS Provider exam is 50 multiple-choice questions. Passing score is 84%. Student may miss 8 questions. All AHA exams are now "open resource" so student may use books and/or handouts for the exam. For students taking ACLS for the first time or updating/ renewing students with a current card, exam remediation is permitted should student miss more than 8 questions on the exam. Viewing the ACLS Provider Manual ahead of time with the online resources is very helpful. The American Heart Association link is www.heart.org/eccstudent and has an ACLS Precourse Self-Assessment, supplementary written materials, and videos. The code for these online resources is in the ACLS Provider Manual page ii. **The code is acsls15.** Basic Dysrhythmia knowledge is required. The exam has at least 9 strips to interpret. **The course is a series of video segments then skills. The course materials will prepare you for the exam.**

BLS Overview – CAB



Push Hard and Fast - Repeat every 2 minutes
*If person unresponsive next step is to check breathing and pulse simultaneously. Pulse check no more than 5-10 seconds
Anytime there is no pulse or unsure -

COMPRESSIONS

Elements of good CPR

COMPRESSIONS

- Rate-at least 100 - 120
- Compression depth at least 2 inches, not more than 2.4 inches or 6 cm
- Switch compressors every 2 min or 5 cycles
- Minimize interruptions (less 10 secs)
- Fatal mistake to interrupt compressions – continue compress while charging

RECOIL

VENTILATION

- With perfusing rhythm squeeze the bag once every 5 to 6 seconds
- Excessive ventilation decreases cardiac output

Stroke

- Cincinnati Pre-Hospital Stroke Scale
- Facial Droop, Arm Drift, Abnormal Speech
- Non-contrast CT scan of the head
- Start fibrinolytic therapy as soon as possible
- Alerting the hospital will expedite patient's care on arrival

Acute Coronary Syndromes, STEMI

*STEMI door-to-balloon within 90 minutes

*12 Lead for CP, epigastric pain, or rhythm change
Recommended dose of aspirin is 160 – 325 mg
Right ventricular MI - caution with NTG

Cardiac Rhythm Strips to Interpret

- Ventricular Tachycardia
 - Stable
 - Unstable
 - Monomorphic
- Supraventricular tachycardia, unstable
- Heart Blocks
 - Second-degree atrioventricular Type I
 - Second-degree atrioventricular Type II
 - Third degree atrioventricular
- Ventricular Fibrillation
- PEA, Pulseless Electrical Activity

Bradycardia

Need to assess stable versus unstable

If stable . . .

- Monitor, observe, and obtain expert consultation

If unstable . . .

- Atropine 0.5mg IV. Can repeat Q 3-5 minutes to 3 mg
 - Maximum dose is 3mg (including heart blocks)
- If Atropine ineffective
 - Dopamine infusion (2-20mcg/kg/min)
 - Epinephrine infusion (2-10mcg/min)
 - Transcutaneous pacing

Tachycardia with a Pulse

•If unstable (wide or narrow)-go straight to

synchronized cardioversion (sedate first)

•If stable narrow complex

- obtain 12 lead
- vagal maneuvers
- adenosine 6mg RAPID IVP, followed by 12mg

Pulseless Rhythms - Cardiac Arrest - CPR

Oxygen, monitor, IV, Fluids, Glucose Check

Agonal gasps are a likely indicator

- 2 minute cycles of compressions, shocks (if VF/VT), and rhythm checks
- Epinephrine 1 mg first every 3-5 minutes (preferred method peripheral IV)

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Michael Kost



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ACLS Study Guide - E-Book Barbara J Aehlert, 2016-10-06 Awarded second place in the 2017 AJN Book of the Year Awards in the Critical Care Emergency Nursing category Provide the best possible emergency cardiovascular care using the newest ECC guidelines ACLS Study Guide 5th Edition offers a complete full color overview of advanced cardiovascular life support An easy to read approach covers everything from airway management to cardiac arrest rhythms and their management electrical therapy acute coronary syndromes and acute stroke In addition to the latest ACLS treatment algorithms this edition includes case studies and hundreds of full color photos and illustrations Case studies present common realistic clinical situations helping you learn and apply skills in cardiac rhythm interpretation medication administration and other essential interventions ACLS Pearls boxes offer brief explanations of complex topics and useful tips for clinical practice End of chapter quizzes include answers and rationales helping you learn and remember the most important information Easy to understand approach simplifies your study of advanced cardiac life support thanks to Barbara Aehlert s unique conversational writing style NEW UPDATED content centers on evidence based practice recommendations including the 2015 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care and the 2015 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations NEW Improved format integrates all case studies into the appropriate chapters so that you can apply concepts immediately to real world situations Lippincott Manual of Nursing Practice Suresh K. Sharma, 2019-01-01 NA *Moderate Procedural Sedation and Analgesia* Michael Kost, 2019-03-09 Introducing the definitive resource designed for practitioners working in the rapidly expanding area of moderate procedural sedation and analgesia clinical practice *Moderate Procedural Sedation and Analgesia A Question and Answer Approach* focuses on the preprocedural procedural and postprocedural care of the moderately sedated patient in a variety of settings This comprehensive text is designed to provide all the content and tools nurses and other clinicians need to demonstrate competency in moderate sedation and analgesia Additionally this user friendly text is written by well known sedation analgesia expert Michael Kost and recommended by standards of practice from the ANA AORN and the American Academy of Pediatrics New clinically focused text ensures clinicians involved in the administration and management of patients receiving moderate sedation have access to the most up to date information Strong safety focus throughout the book explains how technology and clinician practice can improve sedation administration Chapters organized in clinical problem question plus answer format help you easily comprehend material Follows the latest TJC Sedation Anesthesia Guidelines ensuring you are ready for medication administration in clinical practice Pediatrics and Geriatrics chapters cover specific sedation practice recommendations that address the substantive clinical practice challenges associated with these patient populations Pharmacologic profiles of medications detail their use in the moderate sedation practice setting *CEN® Exam Prep Study Guide* Springer Publishing

Company,2023-03-16 CEN Exam Prep Study Guide gets right to the point with a targeted content based on the latest BCEN 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'll 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 CEN is a registered trademark of Board of Certification for Emergency Nursing BCEN BCEN does not sponsor or endorse this resource nor does it have a proprietary relationship with Springer Publishing *Clinical Simulations for Nursing Education* Patricia M. Dillon,2018-04-25 Build Clinical Confidence 51 structured case studies simulate the wide range of patient care challenges you'll encounter in practice These scenarios help you develop the critical assessment clinical reasoning and nursing skills you need to deliver safe and competent care to your patients in a controlled risk free environment Each realistic patient care simulation focuses on a defined clinical domain critical knowledge and skills levels of competency evidenced based practice guidelines National Patient Safety Goals and research based design characteristics You can record your reflections at the end of each simulation to enhance self awareness and develop insights into the patient care delivery process *Lippincott Q&A Certification Review: Emergency Nursing (CEN)* Patricia L. Clutter,2019-07-29 Face the demands of the emergency nursing certification exam CEN with the self assurance that only the right kind of preparation can bring with the newly updated Lippincott Q A Certification Review 3rd Edition This ideal study guide offers 175 multiple choice questions divided evenly among body systems and written in the same style and similar content as those created by the Board of Certification for Emergency Nursing BCEN Offering end of chapter answers and rationales plus two end of book practice exams this is the optimal study guide for all RNs preparing for the CEN exam **Mosby's PDQ for LPN - E-Book** Mosby,2015-11-27 NEW Expanded coverage addresses oxygen delivery hypoglycemic drugs cardiac rhythms STEMI seizure treatment breath sounds and more NEW assessment tools are included for pain nutrition and alcohol abuse UPDATED content reflects the latest clinical developments screening guidelines and drug information ACLS Review Made Incredibly Easy LWW,Kate Stout,2017-01-26 CLS Review Made Incredibly Easy gives you the confidence you need to pass the ACLS certification exam as well as the knowledge and skills needed to perform advanced cardiac life support Packed with easy to remember definitions and step by step directions on the latest treatment algorithms this enjoyable review text tackles required ACLS course and exam content It is also the perfect on the spot clinical reference for nurses students and all healthcare professionals Be expertly guided through the latest ACLS training and exam preparation with NEW and updated

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The Ophthalmic Assistant E-Book Harold A. Stein,Raymond M. Stein,Melvin I. Freeman,Rebecca Stein,2021-12-28 Covering all the knowledge and skills needed for everyday duties as well as success on certification and recertification exams The Ophthalmic Assistant 11th Edition is an essential resource for allied health personnel working in ophthalmology optometry opticianry and other eye care settings Drs Harold A Stein Raymond M Stein and Melvin I Freeman are joined by new editor Dr Rebecca Stein and several new contributing authors who provide practical up to date guidance on ocular diseases surgical procedures medications and equipment as well as paramedical procedures and office management for today s practice This outstanding reference and review tool provides essential knowledge and guidance for ophthalmic assistants technicians and technologists as critical members of the eye care team Keeps you up to date with coverage of key topics such as topography guided PRK cataract surgery with multifocal IOLs to treat presbyopia and OCT and OCTA as well as the latest information on basic science new testing procedures and equipment and two new chapters on refractive surgery and eye banking Provides full color visual guidance for identification of ophthalmic disorders explanations of difficult concepts and depictions of the newest equipment used in ophthalmology and optometry more than 1 000 images in all Features more than 400 interactive multiple choice review questions that test your knowledge and understanding of key concepts Includes a bonus color image atlas that tests your clinical recognition of disease and disorders of the eye Contains convenient quick reference appendices

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The Top Books of the Year Aha Acls Study Guide 2015 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous engrossing novels captivating the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the captivating narratives that have charmed audiences this year. Aha Acls Study Guide 2015 : Colleen Hoover's "It Ends with Us" This heartfelt tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Aha Acls Study Guide 2015 : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a brilliant and thrilling novel that will keep you speculating until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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