ACLS Study Guide (2020 Guidelines)



Pre-Course Requirements

The ACLS course now requires a mandatory Precourse Self-Assessment and Precourse Work with a passing score of at least 70%. Students may take the self-assessment as many times as needed. Please bring your Certificate of Completion with you to the ACLS class or email in advance to pretest@expresstraining.com. Instructions for accessing the Precourse Requirements are included in your registration confirmation.

ACLS Written Exam-

The ACLS Provider exam is 50 multiple-choice questions, with a required passing score is 84%. All AHA exams are now "open resource" which means student may use the ACLS manual, study guides, handouts and personal notes during the exam. Using the ACLS Provider Manual ahead of time with the online resources is very helpful.

BLS Review

Assessment Steps for BLS	Compressions
 Make sure scene is safe Tap/shout to check for responsiveness Call for help if patient is unresponsive Check for pulse and breathing for at least 5 but no more than 10 seconds If no pulse (or not sure if there is a pulse) begin CPR 	At least 2 inches with a rate between 100 – 120/min Allow for full recoil PEtCO2 (intubated) < 10 mmHg indicates poor compressions interruptions in compressions should be < 10 seconds Switch compressors every 2 min. Waveform Capnography is the most reliable method of confirming placement and monitoring of ETT Pre-charging the defibrillator 15 seconds before the rhythm can improve CCV
Breaths During CPR	Rescue Breathing
Limit interruptions to less than 10 seconds Ratio of compressions to breaths 30:2 or other advanced protocols that maximize CCF Each breath given over 1 second An effective breath will result in visible chest rise CPR with ETT: 1 breath every 6 seconds with continuous compressions Excessive ventilation = decreased cardiac output	For a patient who is not breathing or breathing effectively give 1 breath every 6 seconds Give breaths gently, over 1 second An effective breath will result in visible rise/fall of the chest Excessive ventilation decreases cardiac output Difficulty positioning airway for patency, place NPA or OPA OPA Placement = Measure from the corner of the mouth to the angle of the mandible

ACS and Stroke

ACS - STEMI	Stroke
 Assessment: Pale, cool, diaphoretic, chest pain, dyspnea, anxiety, hypotension, poor perfusion Aspirin 162-325 mg Time frame to start Coronary Reperfusion (PCI) should be < 90min from ER arrival 	Noncontrast Head CT within 20 min. of hospital arrival. A normal CT may rule out hemorrhagic stroke To better facilitate care, notify receiving hospital in advance Ischemic Stroke: start fibrinolytic therapy ASAP if there are no contraindications Hemorrhagic Stroke: neuro consult

RRT and MET (Rapid Response Team / Medical Emergency Team)

- MET / RRT focuses on prevention of deuteriation to cardiac arrest
- · Improve patient care by identifying and treating early clinical deterioration

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Table of Contents Ashi Hla Study Guide

- 1. Understanding the eBook Ashi Hla Study Guide
 - The Rise of Digital Reading Ashi Hla Study Guide
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Ashi Hla Study Guide
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Ashi Hla Study Guide
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Ashi Hla Study Guide
 - Personalized Recommendations
 - Ashi Hla Study Guide User Reviews and Ratings
 - Ashi Hla Study Guide and Bestseller Lists
- 5. Accessing Ashi Hla Study Guide Free and Paid eBooks
 - o Ashi Hla Study Guide Public Domain eBooks
 - Ashi Hla Study Guide eBook Subscription Services
 - Ashi Hla Study Guide Budget-Friendly Options

- 6. Navigating Ashi Hla Study Guide eBook Formats
 - o ePub, PDF, MOBI, and More
 - Ashi Hla Study Guide Compatibility with Devices
 - Ashi Hla Study Guide Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Ashi Hla Study Guide
 - Highlighting and Note-Taking Ashi Hla Study Guide
 - o Interactive Elements Ashi Hla Study Guide
- 8. Staying Engaged with Ashi Hla Study Guide
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - o Following Authors and Publishers Ashi Hla Study Guide
- 9. Balancing eBooks and Physical Books Ashi Hla Study Guide
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Ashi Hla Study Guide
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Ashi Hla Study Guide
 - Setting Reading Goals Ashi Hla Study Guide
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Ashi Hla Study Guide
 - Fact-Checking eBook Content of Ashi Hla Study Guide
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements

• Interactive and Gamified eBooks

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