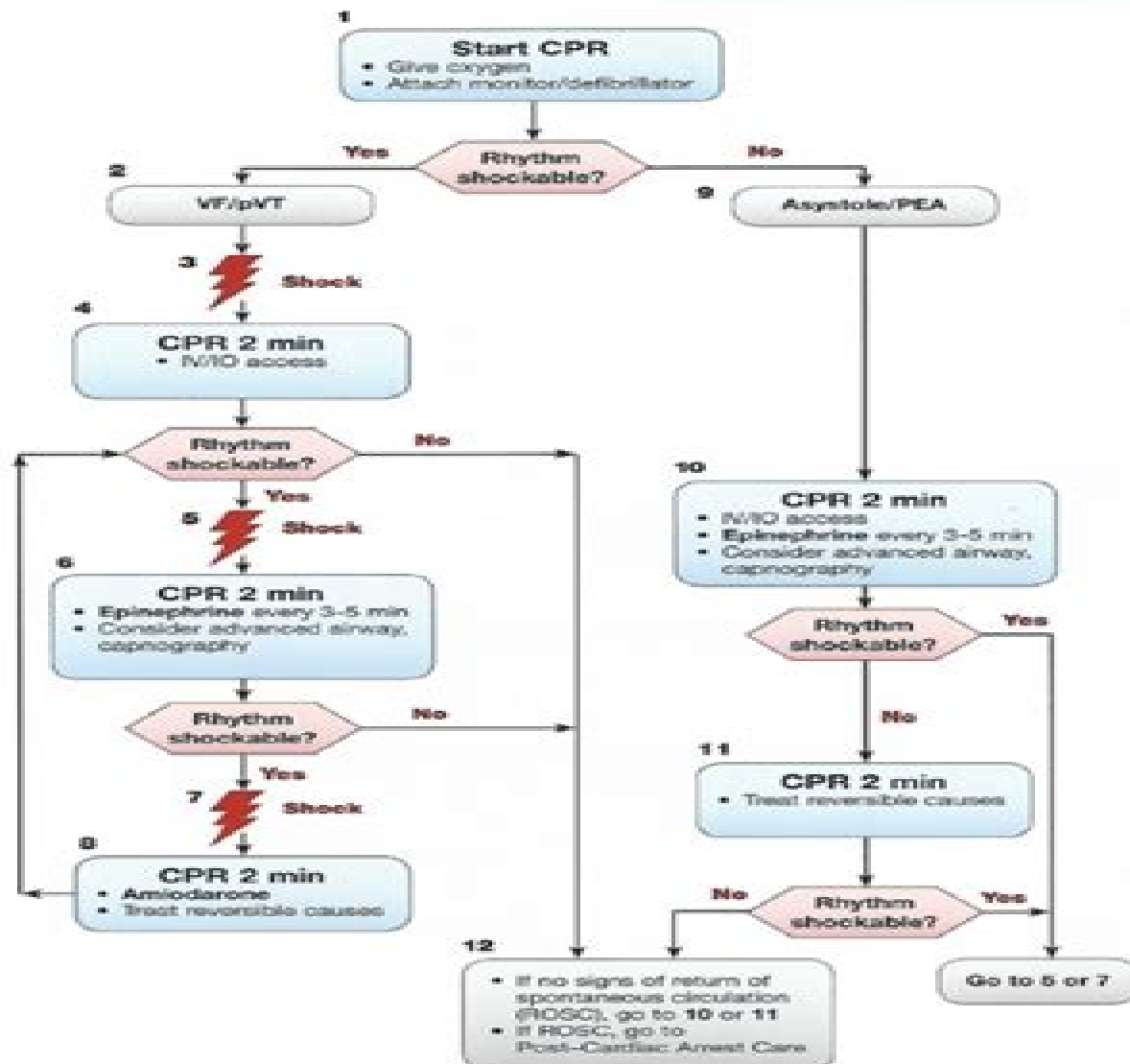


Adult Cardiac Arrest Algorithm—2015 Update

Advanced Cardiovascular Life Support



CPR Quality

- Push hard (at least 2 inches [5 cm]) and fast (100-120/min) and allow complete chest recoil.
- Minimize interruptions in compressions.
- Avoid excessive ventilation.
- Rotate compressor every 2 minutes, or sooner if fatigued.
- If no advanced airway, 30:2 compression-ventilation ratio.
- Quantitative waveform capnography
 - If P_{aCO_2} <10 mm Hg, attempt to improve CPR quality.
- Intra-arterial pressure
 - If relaxation phase (diastolic) pressure <20 mm Hg, attempt to improve CPR quality.

Shock Energy for Defibrillation

- **Biphasic:** Manufacturer recommendation (eg, initial dose of 120-200 J; if unknown, use maximum available. Second and subsequent doses should be equivalent, and higher doses may be considered.
- **Monophasic:** 360 J

Drug Therapy

- **Epinephrine** (1:10 dose): 1 mg every 3-5 minutes
- **Amiodarone** (1:10 dose): First dose: 300 mg bolus. Second dose: 150 mg

Advanced Airway

- Endotracheal intubation or supraglottic advanced airway
- Waveform capnography or capnometry to confirm and monitor ET tube placement
- Once advanced airway in place, give 1 breath every 5 seconds (10 breaths/min) with continuous chest compressions

Return of Spontaneous Circulation (ROSC)

- Pulse and blood pressure
- Abrupt sustained increase in P_{aCO_2} , typically >40 mm Hg
- Spontaneous arterial pressure waves with intra-arterial monitoring

Reversible Causes

- Hypovolemia
- Hypoxia
- Hydrogen ion (acidosis)
- Hypo-/hyperkalemia
- Hypothermia
- Tension pneumothorax
- Tamponade, cardiac
- Toxins
- Thrombosis, pulmonary
- Thrombosis, coronary



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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

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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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https://legacy.tortoisemedia.com/results/Resources/fetch.php/language_learning_tricks.pdf

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