



AHA CPR

GUIDELINES UPDATE 2015



HIGH QUALITY CPR (ADULTS) GUIDELINES FOR BLS PROVIDERS

RECOGNITION OF CARDIAC ARREST

- CHECK FOR RESPONSIVENESS
- NO BREATHING OR ONLY BREATHING
- NO DEFINITE PULSE FELT WITHIN 10 SECONDS



01

ACTIVATION OF EMERGENCY RESPONSE SYSTEM

- IF YOU ARE ALONE WITH NO MOBILE PHONE, LEAVE THE VICTIM TO ACTIVATE THE EMERGENCY RESPONSE SYSTEM AND GET THE AED BEFORE BEGINNING CPR
- OTHERWISE, SEND SOMEONE AND BEGIN CPR IMMEDIATELY; USE THE AED AS SOON AS IT IS AVAILABLE

02



COMPRESSION-VENTILATION RATIO WITHOUT ADVANCED AIRWAY

1 OR 2 RESCUERS=30:2



03

COMPRESSION-VENTILATION RATIO WITH ADVANCED AIRWAY

- CONTINUOUS COMPRESSIONS AT A RATE OF 100-120 PER MINUTE
- GIVE 1 BREATH EVERY 6 SECONDS (10 BREATHS PER MINUTE)

04



COMPRESSION RATE

100-120 COMPRESSIONS PER MINUTE



05

06



COMPRESSION DEPTH

AT LEAST 2 INCHES (5 CM)

HAND PLACEMENT

2 HANDS ON THE LOWER HALF OF THE BRESTBONE (STERNUM)



07

08



CHEST RECOIL

ALLOW FULL RECOIL OF CHEST AFTER EACH COMPRESSION

MINIMIZING INTERRUPTIONS

- LIMIT INTERRUPTIONS IN THE CHEST COMPRESSIONS TO LESS THAN 10 SECONDS



09

DO'S AND DONT'S OF HIGH QUALITY CPR (ADULTS)



RESCUERS SHOULD

- PERFORM CHEST COMPRESSIONS AT A RATE OF 100-120 COMPRESSIONS PER MINUTE
- COMPRESS TO A DEPTH OF AT LEAST 2 INCHES
- ALLOW FULL RECOIL AFTER EACH COMPRESSION
- MINIMIZE PAUSES IN COMPRESSIONS
- VENTILATE ADEQUATELY

RESCUERS SHOULD NOT

- COMPRESS AT A RATE SLOWER THAN 100 COMPRESSIONS PER MINUTE OR FASTER THAN 120 COMPRESSIONS PER MINUTE
- COMPRESS TO A DEPTH OF LESS THAN 2 INCHES OR GREATER THAN 2.4 INCHES
- LEAN ON THE CHEST BETWEEN COMPRESSIONS
- INTERRUPT COMPRESSIONS FOR GREATER THAN 10 SECONDS
- PROVIDE EXCESSIVE VENTILATION



SOURCES:

<http://eccguidelines.heart.org/wp-content/uploads/2015/10/2015-AHA-Guidelines-Highlights-English.pdf>

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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 *Textbook of Emergency & Trauma Care* Devendra

Richhariya, 2018-02-28 This book is a comprehensive guide to emergency and trauma care covering the complete process from pre hospital care rapid and point of care assessment and triaging to care of the patient during transfer and in hospital care Beginning with a general overview of emergency care and resuscitation the following sections discuss the treatment of emergencies and trauma in different systems of the body A complete section is dedicated to paediatric emergencies The final chapters cover trauma management toxicology disaster management and environmental emergencies such as thermal and chemical burns and snake bites The descriptive text is further enhanced by more than 700 flowcharts tables diagrams clinical photographs and short notes to assist learning Key points Comprehensive guide to emergency and trauma care Covers management of emergencies in different systems of the body Includes section on paediatric emergencies Highly illustrated with flowcharts tables diagrams photographs and short notes **Pediatric Advanced Life Support Study Guide**

Aehlert, 2017-01-16 Fully revised to meet the 2015 CPR ECC Guidelines and to prepare students and professionals for PALS certification and recertification Pediatric Advanced Life Support Study Guide Fourth Edition provides a clear and complete approach to managing pediatric emergencies Designed for use by the spectrum of healthcare professionals the Fourth Edition provides users with the critical information needed to approach real life pediatric emergencies The Fourth Edition includes End of chapter quizzes with answers and objectives as well as a comprehensive posttest to gauge material

comprehensive Case studies at the end of appropriate chapters for practice with real world material application Clear procedural explanations written in descriptive yet accessible language A refined Table of Contents including standalone chapters on cardiac dysrhythmias for focused learning and study PALS Pearl boxes for text to everyday clinical application In text references for deeper research if desired

Respiratory Care: Principles and Practice Dean R. Hess, Neil R. MacIntyre, William F. Galvin, 2020-01-15 More than an introductory text Respiratory Care Principles and Practice Fourth Edition by Dean Hess is a comprehensive resource will be referenced and utilized by students throughout their educational and professional careers

Emergency Care and Transportation of the Sick and Injured Advantage Package American Academy of Orthopaedic Surgeons (AAOS), 2021-02-12 Since 1971 Emergency Care and Transportation of the Sick and Injured has advanced how EMS education is delivered to help train exceptional EMS professionals around the globe

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Clinical Nursing Skills and Techniques - E-Book Anne G. Perry, Patricia A. Potter, Wendy R. Ostendorf, 2017-01-16 NEW Clinical Debriefs are case based review questions at the end of each chapter that focus on issues such as managing conflict care prioritization patient safety and decision making NEW Streamlined theory content in each chapter features a quick easy to read bullet format to help reduce repetition and emphasize the clinical focus of the book NEW Sample documentation for every skill often includes notes by exception in the SBAR format NEW SI units and using generic drug names are used throughout the text to ensure content is appropriate for Canadian nurses as well

Challenging Concepts in Paediatric Critical Care Hari Krishnan, Miriam R. Fine-Goulden, Sainath Raman, Akash Deep, 2020-10-19 This practical title presents 18 challenging cases in paediatric critical care complete with case histories and evidence based up to date learning points and clinical tips Each chapter has commentary from an expert who identifies and explains the key points and controversies of the case

AACN Procedure Manual for Progressive and Critical Care - E-Book AACN, 2023-07-07 American Journal of Nursing AJN Book of the Year Awards 1st Place in Critical Care Emergency Nursing 2024 Selected for Doody's Core Titles 2024 with Essential Purchase designation in Critical Care Edited by the American Association of Critical Care Nurses and written by more than 100 critical care experts under the direction of Karen L Johnson PhD RN FAAN this definitive reference represents the gold standard of care for procedures performed in progressive and critical care settings It guides you through procedures common to the adult critical care environment including those performed by advanced practice nurses in an illustrated step by step format This edition now in in full color features new procedures new and updated illustrations and updated content throughout reflecting the latest evidence based guidelines and national and international protocols Quick reference tabs make it easier than ever to locate content quickly This new edition integrates key AACN initiatives such as Practice Alerts and coordinates closely with the AACN Core Curriculum for Progressive and Critical Care Nursing 8th Edition Chapter specific quick links employ QR codes for instant access to high quality online references Edited by the American Association of Critical Care Nurses written by more than 100

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