

BLS for Healthcare Professionals

CABs of CPR

CPR	ADULT & OLDER CHILD (puberty and older)	CHILD (1 year to signs of puberty)	INFANT (up to 1 year old)
Verify Scene Safety	Do not enter an unsafe environment. Call 9-1-1		
Check victim's responsiveness	If victim is unresponsive, shout for help. Call 9-1-1 with mobile device, if available. Send someone to find an AED.		
Activate 9-1-1	If you are alone and do not have a mobile device, leave the victim to call 9-1-1 first, then look for an AED. Return to perform CPR.	If you are alone and WITNESS THE COLLAPSE Leave the victim to call 9-1-1 first, and look for an AED. Return to perform CPR.	
Determine if victim is breathing & has a pulse	Simultaneously check for breathing & pulse for no more than 10 seconds. NOTE: agonal breaths are not considered signs of breathing For children and infants, a pulse rate of less than 60 beats / minute is treated as no pulse.		
	Check carotid artery on your side of the victim's the neck.		Check brachial artery on inside of the victim's upper arm near the armpit.
Rescue Breathing If victim has a DEFINITE detectable pulse, but is not breathing	1 breath every 5-6 seconds Check pulse every 2 minutes.	1 breath every 3-5 seconds Check pulse again every 2 minutes If pulse less than 60 beats per minute, or perfusion remains poor, add compressions	
	For suspected opioid overdose, administer naloxone, if available		
If victim has NO detectable pulse: Begin CPR Minimize interruptions	1 rescuer: 30 compressions : 2 breaths 2+ rescuers: 30 compressions : 2 breaths Use AED as soon as it arrives.	1 rescuer: 30 compressions : 2 breaths 2+ rescuers: 15 compressions : 2 breaths Use the AED as soon as it arrives.	
Compression rate	100 - 120 compressions per minute		
Hand placement	2 hands on lower half of breastbone	1 hand or 2 hands on lower half of breastbone	1 rescuer: 2 fingers 2+ rescuers: 2 thumbs on center of chest, just below nipple line
Compression depth	2 to 2.4 inches (5-6 cm)	1/3 the depth of the chest - about 2 inches (5 cm)	1/3 the depth of the chest - about 1.5 inches (4 cm)
Chest recoil	Allow for full chest recoil after each compression		
Minimize interruptions	Limit interruptions in chest compressions to no more than 10 seconds		
Use the AED as soon as it arrives	Turn on AED and follow instructions. Never remove the AED.		

Per the 2015 updated AHA ECC Guidelines

Nih Cpr Study Guide

Adeline Turner Gordon



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Small Animal Critical Care Medicine E-Book Deborah Silverstein, Kate Hopper, 2022-09-03 NEW Coverage of high flow nasal oxygen therapy and both core and advanced concepts for mechanical ventilation helps you deliver high quality care to patients with respiratory failure NEW Chapters on current critical care topics include Assessment of Intravascular Volume Urine Osmolality and Electrolytes and Infectious Disease Control in the ICU NEW Chapters on novel procedures offer coverage of tracheal stents urinary diversion techniques and an in depth review of point of care ultrasound with extensive figures and images NEW Coverage of increasingly prevalent problems seen in the intensive care unit includes coagulation disorders of the critically ill patient feline aortic thromboembolism oxygen toxicity and treatment of severe hypertension NEW Chapters on shock fluid therapy and transfusion therapy provide cutting edge information on how to prevent complications and maximize resources NEW Prevention of Compassion Fatigue and Burnout chapter addresses this major challenge currently affecting the veterinary profession NEW Algorithms and figures throughout the text clarify key concepts and aid in diagnosis and treatment NEW Enhanced eBook included with the purchase of a new print copy of the book provides online access to a fully searchable version of the text and makes its content available on various devices UPDATED Coagulation section includes chapters on hemostasis management of the bleeding patient coagulation and platelet monitoring and viscoelastic monitoring EXPANDED Pharmacology section offers coverage of cannabis trazadone gabapentin pimobendane and appetite stimulants

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HADI PRACTICAL NEONATOLOGY BOOK 1 ABDELHADI ABDELGABBAR ABDELHADI, 2024-01-24 Hadi Practical Neonatology a 2 book series of practical guidelines is intended to provide a structured approach to the management of neonatal conditions which are likely to face the neonatal team It is not intended to replace textbooks or to teach the beginners in the field Prior sound knowledge of Neonatal Medicine by the user is essential This book is the first in the series It covers aspects of RESUSCITATION THERMAL CONTROL RESPIRATORY CARDIOVASCULAR INFECTIONS ENDOCRINE METABOLIC GASTROINTESTINAL NUTRITION DERMATOLOGY and SURGICAL NEWBORN challenges It is my belief that neonatal doctors and nurses are an integrated team and any demarcation is an imaginary line The recipe of creating a backbone of good nurses is passionate support continuous education and practical teaching at every possible opportunity Mutual trust and appropriate delegations are crucial to the success of the team HADI PN series is written for the neonatal team and not just for the medical staff The best way for consolidating the team knowledge and experience is bedside teaching New methods and approaches of neonatal management are progressing but seem to slow down over the last few years This may reflect the fact neonatal advances are approaching our era peak of what is possible Nevertheless many of our current practices are yet to be scrutinized to fulfil the evidence based standards There is no robust verification of the evidence behind our current practice of many routine day to day applications This include but not limited to fluid requirements duration of antibiotics courses use of various blood products seizures pharmacological treatment and safe PaCO₂ levels I have reviewed multiple medical and nursing guidelines from Europe North America and Australia as well as Asia South America and Africa I integrated many of these guidelines within this book whenever they are in accord with the international acceptable practices Feedback and suggestions are welcome and can be sent to neonatologypractical@gmail.com The book is an updated version of the protocols and guidelines which I have developed during my work as Consultant Neonatologist Some are adopted from various reputable institutes and modified to reflect the current evidence plus a slight

flavour of my experience Considerable effort has been exercised to ensure the doses of medications given in HADI PN are accurate However further confirmation by the nursing and medical staff is advised prior to the first use of each medication HADI PN reflects the author s own acceptable and safe practice and advice It is written with the intention of facilitating the delivery of care to the most vulnerable newborn The publication is written bearing in mind the wide variations in the skill mix of neonatal practitioners nurses and doctors Likewise the chall

National Library of Medicine Audiovisuals Catalog
National Library of Medicine (U.S.), **Intraosseous Vascular Access** James H. Paxton, 2024-06-28 This book summarizes nearly a century of accumulated knowledge on therapeutic intraosseous IO access into a concise and well written review The emergent infusion of fluids and medications through the IO route can be lifesaving for patients experiencing cardiac arrest respiratory failure and other life threatening medical conditions Unfortunately many providers lack the anatomic therapeutic and procedural knowledge needed to deploy these devices safely and effectively in critically ill patients Written for a mixed audience of healthcare professionals the book opens with an introduction to the relevant anatomy and physiology for those unfamiliar with IO infusion before moving into more advanced topics The authors cite up to date literature on a variety of essential topics including device and access site selection decision making fluid infusion flow rates limits of IO technology compatible medications complications pain and relative contraindications to IO infusion The book closes with a discussion of the future of IO vascular access and the questions that will guide future research Intraosseous Vascular Access A Guide for Healthcare Professionals is an indispensable reference for any healthcare provider especially patient care technicians nurses medical students resident physicians practicing clinicians including ED ICU and floor medicine doctors and EMS paramedics who place and manage IO catheters

Cardiac Emergencies, An Issue of Cardiology Clinics, E-Book Ran Lee, 2024-04-22 In this issue of Cardiology Clinics guest editor Dr Ran Lee brings his considerable expertise to the topic of Cardiac Emergencies Top experts discuss common acute cardiac conditions frequently encountered in ER and ICU settings their pathophysiology and epidemiology as well as diagnosis and management considerations As the overall patient population becomes more complex with competing comorbidities management of the acute cardiac care patient is also becoming equally sophisticated and this issue reviews up to date strategies for optimal care Contains 13 relevant practice oriented topics including acute coronary syndrome in the 21st century CICU cardiac tamponade acute heart failure from ED to the ICU cardiogenic shock and mechanical circulatory support devices incessant electrical storm cardiac trauma pulmonary hypertension emergencies and more Provides in depth clinical reviews on cardiac emergencies offering actionable insights for clinical practice Presents the latest information on this timely focused topic under the leadership of experienced editors in the field Authors synthesize and distill the latest research and practice guidelines to create clinically significant topic based reviews

Monthly Catalogue, United States Public Documents, 1984 **Monthly Catalog of United States Government Publications** United States. Superintendent of Documents, 1984 February issue includes Appendix entitled

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