Summary of Steps of CPR for Adults, Children, and Infants

Pediatric Septic Shock Algorithm

				(Recognize aftered mental status and perfusion	
Component	Recommendations				Give oxygen and support ventilation; establish vascular access and begin resuscitation according to PALS guidelines	
	Adults	Children	Infants		Consider VSG or ASG, lactate, glucose, lonized calcium, cultur	
Recognition	Unresponsive (for all ages)			hour	*	
	No breathing or no normal breathing (ie, only gasping)	rmul No breathing or only gasping			First hout: Push repeated 20 mL/kg boluses of isotonic crystalloid to trea shock. Give up to 2, 4, or more boluses unless raics, respiratory detress, hepatomegally develops. Additional therapies: Correct hypoglycemia and hypocalcemia Administer first-dose antibiotics STAT	
	No pulse feit within 10 seconds				 Consider ordering STAT vascoriessor drip and stress-dose hydrocordiso Establish second vascular access sits if vaseactive influsion brit codts 	
CPR sequence	Chest compressions, Airway, Breathing (C-A-B)			(- Contraction (Contraction of Statement Contraction (Contraction of Table Contraction (Contraction of Contraction (Contraction o	
Compression rate	At least 100/min				Tes Fluid responsive (is, normalized perfusion/hemodynamics)?	
Compression depth	At least 2 inches (5 cm)	At least % AP diameter About 2 inches (5 cm)	At least 15 AP clamater About 116 inches (4 cm)	1000	Begin vascective drug therapy and titrate to correct hypotension/peor pertusion; consider establishing arterial and central venous access • Normotenshies Begin departme	
Chest wall recoil	Allow complete recoil between compressions Rotate compressors every 2 minutes				Hypotensive inscellated twenty shock: Begin norepinephrine Hypotensive was constructed looks shock: Begin epinephrine rather than norepinephrine	
Compression Interruptions	Minimize interruptions in chest compressions Attempt to limit interruptions to <10 seconds					
Airway	Head Sit-chin lift (suspected traume: jew thrust)				Evaluate ScuO ₂ : goal ScvO ₂ :sat ::70W7	
Compression- to-ventilation ratio (until advanced airway placed)	30-2 1 or 2 rescuers	Stole	0:2 10:004 5:2	BP.	Interestuse to High >10 glob. Transituse to High >10 glob.	
Ventilations with advanced airway	breath every 6-8 seconds (8-10 breaths/min) Asynchronous with chest compressions About 1 second per breath Visible chest rise				Dokuses Replinaphrine Vasopressin Optimize arterial oxygen Sofuration Additional fluid boluses Consider militinose or mitroprusside Consider dobutamine Optimize arterial oxyge Sofuration Additional fluid boluses Consider epinephrine	
Defibrillation	Attach and use AFD as soon as available. Minimize interruptions in chest compressions before and after shock; resume CPR beginning with compressions immediately after each shock.				d-refractory and departine- or norepinephrine-dependent shock defines patient at risk for adrenal insufficiency. If adrenal insufficiency is suspected Disaw baseline cortisol; con	

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Robert Shesser, Ali Pourmand, Amy Keim

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Pediatric Advanced Life Support Study Guide Barbara 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 guizzes with answers and objectives as well as a comprehensive posttest to gauge material comprehension 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 Handbook of Pediatric & Neonatal Emergencies S Sushamabai, 2019-06-30 This book provides clinicians and trainees with the latest advances and procedures in the management of paediatric and neonatal emergencies Divided into 16 sections the text begins with discussion on the concept of intensive care resuscitation and diagnosis of an acutely sick child The following chapters cover the treatment of emergency scenarios in different systems of the body respiratory cardiovascular nervous endocrine renal and gastrointestinal The book concludes with sections on infectious diseases oncology accidents and poisoning and neonatology A chapter on drug dosages is also included Topics are presented in a step by step systematic approach further enhanced by photographs diagrams flowcharts and tables to assist learning Key points Comprehensive guide to latest advances in management of paediatric and neonatal emergencies Covers emergency scenarios in all anatomical systems Includes section on paediatric drug dosages Highly illustrated with photographs diagrams flowcharts and tables Smith's Anesthesia for Infants and Children E-Book Peter J. Davis, Franklyn P. Cladis, 2016-10-15 Now thoroughly up to date with new chapters Smith s Anesthesia for Infants and Children 9th Edition by Drs Peter Davis and Franklyn Cladis covers the information you need to provide effective perioperative care for any type of pediatric surgery Leading experts in pediatric anesthesia bring you up to date with every aspect of both basic science and clinical practice helping you incorporate the latest clinical guidelines and innovations in your practice Quick reference appendices drug dosages growth curves normal values for pulmonary function tests and a listing of common and uncommon syndromes Outstanding visual guidance in full color throughout the book Consult this title on your favorite e reader conduct rapid searches and adjust font sizes for optimal readability More than 100 video demonstrations including new regional anesthesia videos echocardiograms of congenital heart lesions anatomic dissections of various congenital heart specimens with audio explanations various pediatric surgical operative procedures airway management and much more Table of Contents has been reorganized and new chapters added on statistics sedation pediatric obesity and cardiac critical care pediatrics A new chapter on regional anesthesia for

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Teaching Psychology Jillian Grose-Fifer, Patricia J. Brooks, Maureen O'Connor, 2019-02-12 A guide to an evidence based approach for teaching college level psychology courses Teaching Psychology offers an evidence based student centered approach that is filled with suggestions ideas and practices for teaching college level courses in ways that contribute to student success The authors draw on current scientific studies of learning memory and development with specific emphasis

on classroom studies The authors offer practical advice for applying scholarly research to teaching in ways that maximize student learning and personal growth The authors endorse the use of backward course design emphasizing the importance of identifying learning goals encompassing skills and knowledge and how to assess them before developing the appropriate curriculum for achieving these goals Recognizing the diversity of today s student population this book offers guidance for culturally responsive ethical teaching The text explores techniques for teaching critical thinking qualitative and quantitative reasoning written and oral communication information and technology literacy and collaboration and teamwork The authors explain how to envision the learning objectives teachers want their students to achieve and advise how to select assessments to evaluate if the learning objectives are being met This important resource Offers an evidence based approach designed to help graduate students and new instructors embrace a student centered approach to teaching Contains a wealth of examples of effective student centered teaching techniques Surveys current findings from the Scholarship of Teaching and Learning Draws on the American Psychological Association s five broad goals for the undergraduate Psychology major and shows how to help students build life long skills and Introduces Universal Design for Learning as a framework to support diverse learners Teaching Psychology offers an essential guide to evidence based teaching and provides practical advice for becoming an effective teacher This book is designed to help graduate students new instructors and those wanting to update their teaching methods It is likely to be particularly useful for instructors in psychology and other social science disciplines

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