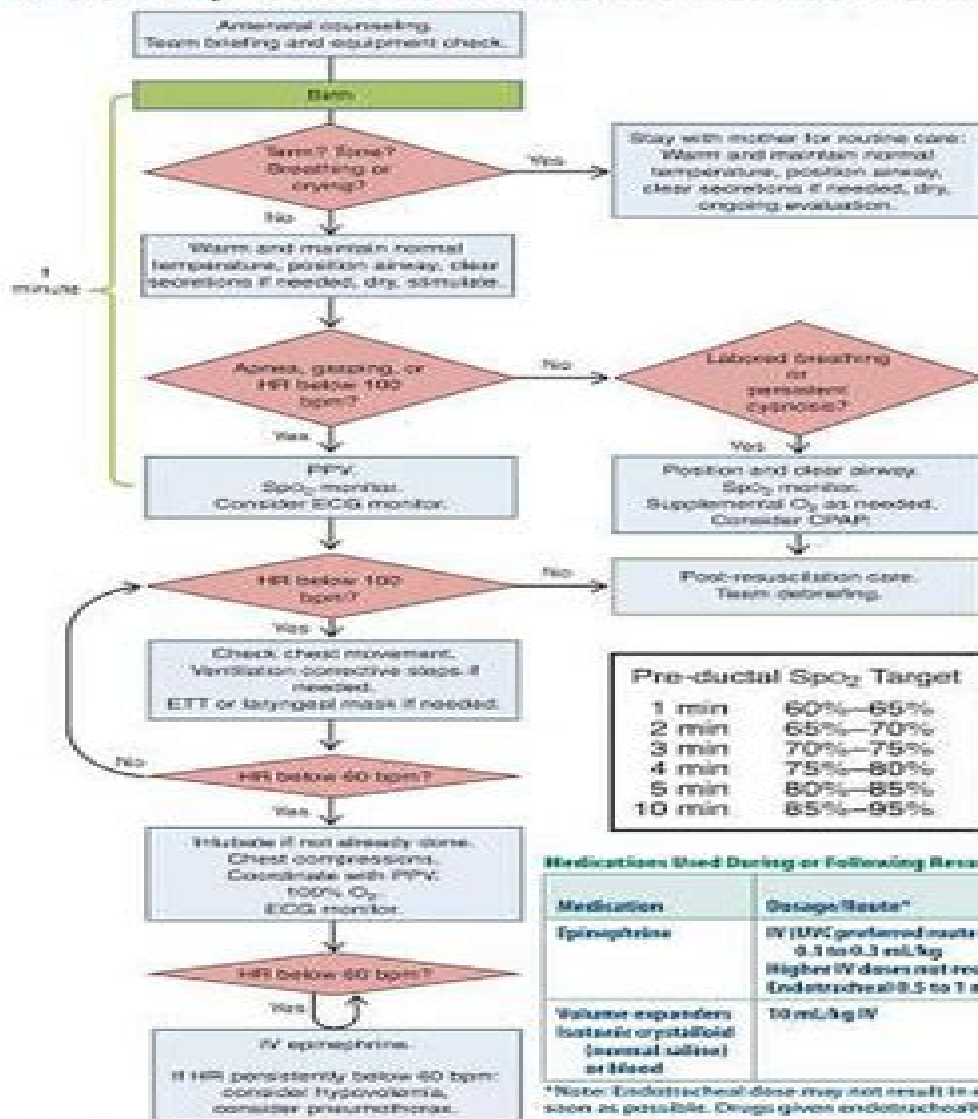


Neonatal Resuscitation Program® - Reference Chart

The most important and effective action in neonatal resuscitation is ventilation of the baby's lungs.



Airway

- Put baby's head in "sniffing" position
- Suction mouth, then nose
- Suction trachea if meconium-stained and NOT vigorous

Breathing

- PPV for apnea, gasping, or pulse <100 bpm
- Ventilate at rate of 40 to 60 breaths/minute
- Listen for rising heart rate, audible breath sounds
- Look for slight chest movement with each breath
- Use CO₂ detector after intubation
- Attach a pulse oximeter

Circulation

- Start compressions if HR is <60 after 30 seconds of effective PPV
- Give 3 compressions: 1 breath every 2 seconds
- Compress one-third of the anterior-posterior diameter of the chest

Drugs

- Give epinephrine if HR is <60 after 45 to 60 seconds of compressions and ventilation
- Caution: epinephrine dosage is different for ET and IV routes

Corrective Steps

M	Mask adjustment.
R	Reposition airway.
S	Suction mouth and nose.
O	Open mouth.
P	Pressure increase.
A	Airway alternative.

Endotracheal Intubation

Gestational Age (weeks)	Weight (kg)	ET Tube Size (00, mm)	Depth of Insertion* (cm from upper lip)
<28	<1.0	2.5	6-7
28-34	1.0-2.0	3.0	7-8
34-38	2.0-3.0	3.5	8-9
>38	>3.0	3.5-4.0	9-10

*Depth of Insertion (cm) = 6 + weight (in kg)

Pre-ductal SpO₂ Target

1 min	60%–65%
2 min	65%–70%
3 min	70%–75%
4 min	75%–80%
5 min	80%–85%
10 min	85%–95%

Medications Used During or Following Resuscitation of the Newborn

Medication	Dosage/Route*	Concentration	WT (kg)	Total IV Volume (mL)	Precautions
Epinephrine	IV (IVC preferred route) 0.1 to 0.3 mL/kg Higher IV doses not recommended Endotracheal 0.5 to 1 mL/kg	1:10,000	1	0.1–0.3	Give rapidly. Repeat every 3 to 5 minutes if HR <60 with chest compressions.
			2	0.2–0.6	
			3	0.3–0.9	
			4	0.4–1.2	
Volume expanders Isotonic crystalloid (normal saline) or blood	10 mL/kg IV		1	10	Indicated for shock. Give over 5 to 10 minutes. Reassess after each bolus.
			2	20	
			3	30	
			4	40	

*Note: Endotracheal dose may not result in effective plasma concentration of drug, so vascular access should be established as soon as possible. Drugs given endotracheally require higher dosing than when given IV.



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Neonatal Resuscitation Program Nrp

**Richard J. Martin, Avroy A.
Fanaroff, Michele C. Walsh**



Neonatal Resuscitation Program Nrp:

Neonatal Resuscitation Program ,1998 Nrp Zaichkin Jeanette,2021-10-27 New 8th Edition Innovative resource for interactive simulation based teaching and learning The Neonatal Resuscitation Program NRP is an educational program jointly sponsored by the American Academy of Pediatrics AAP and the American Heart Association AHA The course is designed to teach an evidence based approach to resuscitation of the newborn to health care professionals who care for newborns at the time of delivery **Textbook of Neonatal Resuscitation** Gary M. Weiner,Jeanette Zaichkin,2016

Advances in Emergency Treatment Research and Application: 2011 Edition ,2012-01-09 Advances in Emergency Treatment Research and Application 2011 Edition is a ScholarlyBrief that delivers timely authoritative comprehensive and specialized information about Emergency Treatment in a concise format The editors have built Advances in Emergency Treatment Research and Application 2011 Edition on the vast information databases of ScholarlyNews You can expect the information about Emergency Treatment in this eBook to be deeper than what you can access anywhere else as well as consistently reliable authoritative informed and relevant The content of Advances in Emergency Treatment Research and Application 2011 Edition has been produced by the world s leading scientists engineers analysts research institutions and companies All of the content is from peer reviewed sources and all of it is written assembled and edited by the editors at ScholarlyEditions and available exclusively from us You now have a source you can cite with authority confidence and credibility More information is available at <http://www.ScholarlyEditions.com> **Advances in Pediatrics, 2025** Jane Carver,Ronald Hirschl,Surendra Varma,Charlotte Lewis,2025-08-28 Advances in Pediatrics reviews the year s most important findings and updates within the field in order to provide pediatricians and primary care providers with the current clinical information they need to improve patient outcomes A distinguished editorial board led by Dr Carol Berkowitz identifies key areas of major progress and controversy and invites preeminent specialists to contribute original articles devoted to these topics These insightful overviews in pediatrics inform and enhance clinical practice by bringing concepts to a clinical level and exploring their everyday impact on patient care Contains 19 articles on such topics as pediatric emergencies the brain gut connection infantile seizure like movement pediatric mental health and schools breastfeeding medicine from the perspective of a pediatrician quality improvement strategies in pediatric healthcare and more Provides in depth clinical reviews in pediatrics providing actionable insights for clinical practice Presents the latest information in the field under the leadership of an experienced editorial team Authors synthesize and distill the latest research and practice guidelines to create these timely topic based reviews *Textbook of Neonatal Resuscitation (NRP) 7th Edition 2016* American Heart Association,2020-09-06 New 7th Edition Powerful resource for interactive simulation based teaching and learning The Neonatal Resuscitation Program NRP is an educational program jointly sponsored by the American Academy of Pediatrics AAP and the American Heart Association AHA The course is designed to teach an evidence based approach to resuscitation of

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Saving mothers and babies for the new world Zaleha Abdullah Mahdy, Azanna Ahmad Kamar, Hamizah Ismail, Fook-Choe Cheah, David Alan Ellwood, Ranjan Pejave, 2023-10-25 *Textbook of Neonatal Resuscitation* American Academy of Pediatrics, 2006 In addition to all of the content and illustrations contained in the textbook the DVD ROM also contains dramatic footage of actual resuscitation events laryngoscopic view of the airway digitized animation and several multilevel learner directed interactive video scenarios P xii first group of pages **Handbook of Research on Promoting Economic and Social Development Through Serious Games** Bernardes, Oscar, Amorim, Vanessa, 2022-03-18 While gaming has become an increasingly popular leisure activity in society the success of the videogame market has also contributed to the application of serious games in many different contexts and most importantly for learning purposes This technological novelty is the basis for an innovative change in myriad environments such as education commerce marketing healthcare and many more It is of great import to understand these applications in order to improve organizational development The Handbook of Research on Promoting Economic and Social Development Through Serious Games provides reflection on the multidisciplinary applications of serious games This book contextualizes the importance of serious games in organizational and societal

improvement Covering topics such as cultural heritage mental health and tourism this book is a dynamic resource for policymakers academicians interdisciplinary researchers graduate and post graduate students technology developers faculty of K 12 and higher education and government officials NRP University of Iowa. Hospitals and Clinics. Emergency Medical Services Learning Resources Center,1989 International Partnerships for Strengthening Health Care Workforce Capacity: Models of Collaborative Education Jeanne Mahoney Leffers,Jennifer Gail Audette, Kevin S. Hardwick,William Van Cleve,2018-07-31 A critical problem in resource scarce countries across the globe is the shortage of appropriately trained health care providers According to the World Health Organization the current global health workforce shortage of 7.2 million providers is estimated to increase to 12.9 million by 2035 This disproportionately affects resource scarce countries denying basic health care to millions and limiting access to life saving treatments Due to limited resources in these countries not enough health professionals receive training few have the opportunity for continuing education and the ability to develop or implement educational programs and curricula is constrained Additionally many existing providers choose to emigrate in pursuit of professional advancement opportunities contributing to the overall shortage of qualified health care providers in these environments Efforts to strengthen health workforce capacity not only increases access safety and availability of care but is critical to building resilient health systems capable of caring for the world's neediest populations This requires not only cultivating new health care providers but also providing ongoing professional development to retain and support current providers advancing the level of practice in accordance with current clinical science cultivating educators and enhancing training curricula It is critical also to contribute to the limited body of research documenting the effectiveness and impact of various models of collaborative education and partnership to improve health worker training and retention This Research Topic examines strategies for building health workforce capacity through the prism of educational partnerships offering significant examples of effective models of international collaborative education as well as insight and guidance on the structure and operation of successful global partnerships Collectively the 31 articles accepted and included in this eBook represent a diversity of health professions and geographies across academic non governmental organizations and other global partnership forms The published manuscripts highlight various elements of partnerships with several consistent themes emerging capacity building local empowerment mutual trust and respect long term commitment equity collaboration and the importance of integrating theory and practice for a balance of academic and clinical development The manuscripts provide examples of partnership and educational programs that are in the formative early stages of implementation and others which have been sustained long term some for decades The following eBook is divided into two parts with each part broken down into sections Part I of the eBook includes 18 manuscripts that showcase long term educational programs that strongly exemplify multiple foundational aspects of international partnerships in education including mutual collaboration and project management empowerment of host partners to lead and sustain programs and capacity building While individual

manuscripts included in Part I look broadly at multiple aspects of successful international partnerships in education Part II manuscripts focus intently on one two elements Part II includes 13 articles that highlight partnership through short rather than long term educational initiatives as well as program development and broad academic partnerships This Research Topic was sponsored by Health Volunteers Overseas a United States based non profit that collaborates with over eighty international universities and health institutions to send volunteer health professionals to low resource countries to provide continuing education train the trainer courses professional support and consultation on academic program and curricula development

Textbook of Neonatal Resuscitation Jeanette Zaichkin, John Kattwinkel, Jane McGowan, 2011 The extensively revised and updated 6th edition of the Neonatal Resuscitation Program NRP textbook is designed in accord with the program's curriculum changes and sharpened focus on active hands on learning The text facilitates the newly recommended self paced learning approach Self study is optimized to help students prepare for the mandatory online examination that replaces the traditional written test It also complements the simulations and case based scenarios at the heart of the new NRP Content updates throughout the text reflect the 2010 American Academy of Pediatrics AAP American Heart Association Guidelines for Neonatal Resuscitation Must know new material includes the latest recommendations across key areas of change including Revisions in the NRP flow diagram elimination of evaluation of amniotic fluid in initial rapid assessment use of supplemental oxygen during neonatal resuscitation use of pulse oximetry chest compression procedures

Neonatal Resuscitation Program (Nrp) American Academy of Pediatrics, 2000-03-01

Pediatric Acute Care Beth Nachtsheim Bolick, Karin Reuter-Rice, Maureen A. Madden, Paul N. Severin, 2020-06-20 Selected for Doody's Core Titles 2024 in Critical Care Stay up to date on the latest evidence and clinical practice in pediatric acute care with the definitive textbook in the field Now in its second edition Pediatric Acute Care A Guide for Interprofessional Practice takes an evidence based interprofessional approach to pediatric acute care as it exemplifies the depth and diversity that's needed for the dynamic healthcare environments in which acutely ill children receive care Coverage includes how to work with the pediatric patient and family major acute care disorders and their management emergency preparedness common acute care procedures and much more With contributions from more than 200 practicing clinicians and academic experts it represents a wide variety of disciplines including medicine nursing pharmacy child life nutrition law integrative medicine education public health and psychology among others The second edition also features the addition of new physician and nurse practitioner co editors as well as extensive content updates including updated evidence based content throughout the text the integration of the 2016 IPEC Core Competencies for Interprofessional Collaborative Practice a new full color design and new vivid illustrations throughout UNIQUE Interprofessional collaborative approach includes contributions from more than 200 practicing clinicians and academic experts from the U S and Canada including nursing medicine pharmacy child life nutrition law integrative medicine education public health and psychology Consistent organization within disorder chapters begins

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Neonatal Resuscitation Program Nrp Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Neonatal Resuscitation Program Nrp**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we will delve in to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

<http://nevis.hu/About/scholarship/HomePages/Airpods%20Compare%20Customer%20Service.pdf>

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