

# NRP

## Instructor UPDATE



**P2** Online Learning  
Assesment

**P3** How to Draw  
Up Epinephrine

**P4** AAP National  
Conference

**P5** New NRP  
Associate Editor

## Congratulations Dr. Jeffrey Perlman ILCOR Resuscitation Giant!

*Dr. Perlman, MB, ChB, FAAP was awarded the International Liaison Committee on Resuscitation (ILCOR) Resuscitation Giant award on May 30, 2023, in Brisbane, Australia.*

ILCOR Giants are recognized by their ILCOR peers for their outstanding commitment to the field of resuscitation science and significant contributions to saving lives. He has served the Neonatal Resuscitation Program® (NRP®) Steering Committee since 1997 as member, Co-Chair, and Consultant. He has continuously guided resuscitation science, education, and leadership endeavors over the past quarter-century. His ongoing service to the American Heart Association (AHA) began in 1999 when he served as an expert and resource for the AHA Evidence Based Evaluation Conference on Neonatal Resuscitation. He was co-chair of the Neonatal Section of ILCOR from 2003-2015, leading international experts in writing 2005, 2010, and 2015 Consensus on Science with Treatment Recommendations and AHA guidelines for the United States.

Dr Perlman's interest in neonatal resuscitation grew out of his interest in neonatal birth asphyxia and his early training in neonatal neurology. He has been prescient in his early commitment to evidence-based guidelines, his embracing the value of simulation and teamwork in clinical application, and the expansion of efforts beyond the United States by developing working relationships with resuscitation councils worldwide and global programs adapted to low-resource settings.



Dr. Jeffrey Perlman, MB, ChB, FAAP

continued on next page...

# Congratulations Dr. Jeffrey Perlman

## ILCOR Resuscitation Giant! (continued)

He has always been attentive to include both men and women from diverse backgrounds, races, ethnicities, and areas of the world. He systematically paired younger professionals with more seasoned individuals to develop expertise and leadership potential.

Dr Perlman has authored at least 70 papers on neonatal resuscitation, including more than 20 studies in low-resource settings. One landmark contribution is the implementation of educational programs in limited resource settings. In close collaboration with the Ministry of Health in Tanzania, he spearheaded the first large-scale implementation of the Helping Babies Breathe program in a network of facilities across Tanzania with the audacious goal of reducing birth asphyxia mortality nationally. This work demonstrated a 47% reduction in neonatal death in the first 24 hours of life and a 24%

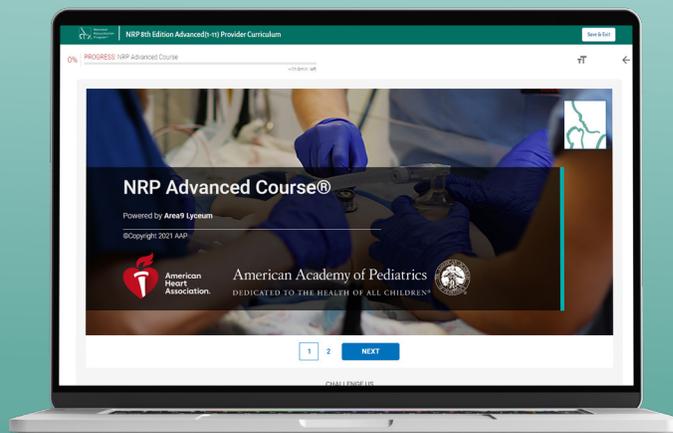
reduction in fresh stillbirth (Msemo, Pediatrics 2013). He is particularly attentive to meaningful involvement of local people, showing great respect for their efforts. He has furthered the goal of improving outcomes of newborn babies by encouraging the inclusive participation of investigators, educators and clinicians, modeling respect for all contributions, and insisting on very high standards of scientific excellence and ethical integrity. He has supported funding efforts for neonatal resuscitation science via the development of the AAP NRP Grant Program.

Seldom does one encounter a more dedicated, self-effacing, modest, insightful, and scientifically qualified person. His sustained leadership and exemplary service over this quarter century deserved recognition as an ILCOR "giant of resuscitation" and as an aspirational model of human service.

Thank you, Dr. Perlman, for your decades of dedication to advancing neonatal resuscitation.

## Advanced Online Learning Assessment Now Live!

The Online Learning Assessment (OLA) for the Advanced portion of the NRP provider curriculum is now available. The Advanced OLA is similar to the Online Learning Assessment that covers the Essentials portion of the NRP Provider curriculum using True Adaptive™ learning methodology. It provides an enhanced learning experience by adapting to a learner's knowledge. It replaces the current Advanced Exam for those taking the NRP Advanced Provider curriculum. The NRP Essentials Provider curriculum has not changed.



# How to Draw Up Epinephrine

- Epinephrine is indicated in neonatal resuscitation when the baby's heart rate remains below 60 beats/min after at least 30 seconds of positive pressure ventilation (PPV) that inflates the lungs and another 60 seconds of chest compressions coordinated with PPV using 100% oxygen.
- The only concentration that should be used for neonatal resuscitation is epinephrine 0.1mg/mL (1 mg/10mL). This is usually supplied in a 10-glass vial that is packaged with an injection device.



Be sure you have the 1 mg/10 mL concentration. Open the perforated end of the box.



Remove the two pieces inside, and positioning them with their yellow caps on top, flip off the yellow caps.



Attach the two parts and screw them together. It is dangerous to attach the entire 10 mL of epinephrine directly to the patient, so we recommend transferring proper doses of the medication into smaller syringes.

## Using a 3-way Stopcock



Take off the yellow needle cover and attach the 3-way stopcock. Then connect the syringe (a 1-mL syringe for IV doses and a 3-mL or 5-mL syringe for ETT doses).



Open the stopcock to the 1-mL syringe and push the plunger to draw up the desired IV dose.



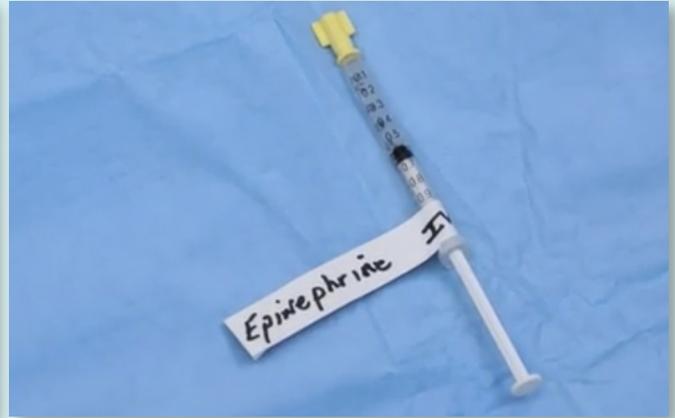
Remove the syringe from the stopcock, ensure that you have no bubbles in the syringe, and ensure that you have the proper amount of epinephrine in the syringe. Label all medications per your unit policies.

continued on next page...

## Using an end-to-end transfer device



Connect the transfer device to the epinephrine vial, attach the syringe to the other side of the transfer device, and push the epinephrine into the syringe.



Detach the epinephrine and ensure there are no bubbles. Label all medications per your unit policies.

# American Academy of Pediatrics (AAP) National Conference and Exhibition (NCE) 2023

Register now for the #AAP2023 Neonatal Conference and Exhibition in Washington, DC on October 20-24, 2023! Conference registrants will be able to attend a joint program from the Section on Neonatal Perinatal Medicine and the Neonatal Resuscitation Program: Optimizing Counseling and Resuscitation for Newborns and their Families on Saturday, October 21, 2023 from 8 – 12 pm EDT.

### Topics and presenters include:

- Introduction and Overview of NRP, Vishal Kapadia, M.D. and Clara Song, MD
- Juniper's Story: A Personal Reflection on Perinatal Counseling, Kelly French
- Complex Decision Making at Early Gestational Ages, Ursula Guillen, M.D.
- Evidence-Based Perinatal Counseling: Tools and Pitfalls, Matthew Rysavy, M.D., Ph.D.
- Panel Discussion and Q&A, Kelly French, Ursula Guillen, M.D., and Matthew Rysavy, M.D., Ph.D.
- Introducing the DRIVE Network: A novel consortium for resuscitation research and pragmatic trials, Elizabeth Foglia, M.D., M.S.C.E
- Resuscitation Quality Improvement (RQI): a new training model, Vishal Kapadia, M.D.

**AAP** WASHINGTON, DC  
**experience** **2023**  
**National Conference & Exhibition**

Please also join us for a **Welcome Reception for Pediatricians and Neonatology Colleagues from Around the World** on Saturday, October 21, 2023 from 5:30 – 7:00 pm EDT at the Marriot Marquis, Second Level Foyer.

Complimentary light appetizers and beverages will be served.

To view the full NCE schedule  
and to register, please visit:  
<https://aapexperience.org/>



# New NRP Associate Editor

We are excited to announce the new Associate Editor/ Consultant for the *Textbook of Neonatal Resuscitation, 9th edition*, Henry Lee, MD, MS, FAAP! Dr. Lee is Professor of Clinical Pediatrics, Division of Neonatology at the University of California San Diego. He has served as NRP Steering Committee member between 2011-2017 and Co-Chair between 2017- 2021. Dr. Lee will work with Drs. Gary Weiner, MD, FAAP, NRP Textbook Editor Consultant, and Chris Cooper, ARNP, NNP, DNP, NRP Nurse Consultant/ Editor in editing the 9th edition NRP textbook.



Henry Lee, MD, MS, FAAP

# NRP Instructor Toolkit

The NRP Instructor Toolkit (ITK) is a valuable resource for all NRP instructors. It includes a variety of documents, videos, and information that can assist in planning and administering NRP courses. Some key features include:

- **New search feature coming soon!** Users can use the new search box to help locate specific information or topics.
- **Media Library:** The Media Library can be found under the Resources tab on the top ribbon. It includes many helpful tools for instructors:
  - **Animations** that can be used for teaching physiology concepts
  - Videos on how to do NRP **simulation and debriefing**
  - **Videos of specific skills** in NRP
  - **What Would You Do?** scenarios
  - The **NRP Live Archive** includes recordings of past webinars presented by NRP experts on various aspects of NRP



# New NRP LinkedIn Page

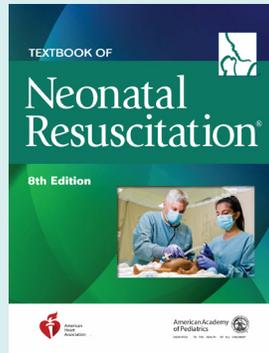
Please follow and share our new Neonatal Resuscitation Program [LinkedIn](#) page!



# NRP Textbook Market Research Survey

We are interested in learning more about how NRP Providers and Instructors are using the *Textbook of Neonatal Resuscitation, 8th edition!* Please share your experience and thoughts using the [survey link](#).

Your response will aid in 9th edition NRP planning and help ensure we provide the most effective textbook and learning materials possible.



## NRP Nursing Continuing Education Provider

Starting June 1, 2023 continuing education credit for nurses is being provided by the Montana Nurses Association. Anyone who completed their online courses prior to this date will still receive nursing credit from the Ohio Nurses Association. This applies to nurses in any state. Details on this credit and number of hours can be found on the second page of the completion certificate for Part 1 of each course.

## Laryngeal Mask and Nurses

"The Laryngeal Mask: Empowering Nurses to Rescue Newborns" by Jeanette Zaichkin, MN, RN, NNP-BC; Linda D. McCarney, MSN, APRN, NNP-BC, and Michelle Rhein, MSN, RN, CNS, RNC-NIC has been published in *Advances in Neonatal Care!*

The abstract is available [here](#).

Find all the NRP® resources you need - right at your fingertips.



American Academy of Pediatrics  
DEDICATED TO THE HEALTH OF ALL CHILDREN®

shopAAP  
aap.org/shopaap

FAQs



## ACKNOWLEDGEMENTS

The Neonatal Resuscitation Program (NRP) Steering Committee offers the *NRP Instructor Update* to all AAP/AHA NRP Instructors.

**Editor:** Teresa del Moral, MD, PhD, FAAP

**Associate Editor:** Christine M. Cooper, DNP, ARNP, NNP-BC, MBA

**Managing Editor:** Kaitlin Butterfield, MEd

**Graphic Designer:** Brad Stajduhar

### NRP Steering Committee Members:

Bobbi J. Byrne, MD, FAAP (Co-chair); Vishal Kapadia, MD, MSCS, FAAP (Co-chair); Joshua Anchan, MD, FAAP; Christa Blohowiak, MSN, RN; Teresa del Moral, MD, FAAP; Elizabeth Foglia, MD, MSCE; Jenny Rose Fox, MD, MPH, FAAP, IBCLC; Cecilie Halling, MD, FAAP; Sarah Hardy, MD, FAAP; Nathan Sundgren, MD, PhD, FAAP; Nicole Yamada, MD, MS, FAAP

### NRP Steering Committee Liaisons:

Crystal M. Alfred, MS, RRT-NPS; Marilyn Escobedo, MD, FAAP; Emer Finan, MB, DCH, Med, MRCP; Arun Gupta, MD, FAAP; Jessica Illuzzi, MD, MS, FACOG; Arun Pramanik, MD, DCH, FAAP, FIAP; Michelle D. Rhein, RN, MSN, CNS, RNC-NIC; Amuchou Soraisham, MD, DNB, DM, MSc, FRCPC, FAAP

### NRP Steering Committee Consultants:

Christine M. Cooper, DNP, ARNP, NNP-BC, MBA; Louis P. Halamek, MD, FAAP; Henry Lee, MD, MS, FAAP; Gary M. Weiner, MD, FAAP; Myra H. Wyckoff, MD, FAAP

### NRP Leadership Staff:

Janna Patterson, MD, MPH, FAAP; Beena Kamath-Rayne, MD, MPH, FAAP; Jessica Weglarz, MBA; Kaitlin Butterfield, MEd

### NRP Customer Service Team:

Felicie Anderson-Wilson, Kristy Crilly, Karen Kostakis, Nancy Kostka, Lauren Wagner

## CONTACT INFO

**Website:** [aap.org/NRP](http://aap.org/NRP)

**Customer Service:** 800-433-9016 or [NRP@aap.org](mailto:NRP@aap.org)

**Facebook:** [facebook.com/TheNRP](https://facebook.com/TheNRP)

Comments and questions are welcome and should be directed to: Editor, Teresa del Moral, MD, PhD, FAAP, and NRP Instructor Update, 345 Park Blvd, Itasca, IL 60143

Statements and opinions expressed in this publication are those of the authors and are not necessarily those of the American Academy of Pediatrics or American Heart Association.

© American Academy of Pediatrics/American Heart Association, 2023