Administering Free-Flow Oxygen With the T-piece Resuscitator

When administering free-flow oxygen with the T-piece resuscitator, is the T-piece cap occluded or not occluded?

It is true that in NRP 6th Edition, learners were taught to occlude the T-piece cap during administration of free-flow oxygen. As members of the NRP Steering Committee gained experience with the device, they became concerned that if someone was administering free-flow oxygen but inadvertently made a seal with the mask against the face and occluded the T-piece cap, they could accidentally give a large indefinitely sustained inflation (for example 20 cm H₂O pressure). We then learned that as long as the liter flow is at least 8 L/min (NRP recommends 10 L/min), the flow and concentration of oxygen coming from the mask were not meaningfully changed by leaving the finger off (not occluding) the T-piece cap. We know of no published literature on this.

Given the potential to improve safety, we recommend leaving your finger off the cap of the T-piece when giving free-flow oxygen (illustrated in the Textbook of Neonatal Resuscitation, 7th Edition, Figure 3.18B on page 49). This method also makes the directions the same for administering free-flow oxygen and CPAP for educational consistency.

You may decide the best course of action for your staff regarding re-training, depending on the size of your staff and your resources.

Did you receive the recent Instructor Notice about changes to epinephrine package labeling?

Visit the ITK or NRP website to download the resource for you and your colleagues.

Examples of the former epinephrine package label (1:10,000) on the left and the revised epinephrine package label (1 mg/10 mL) on the right.

Updates to NRP Instructor Toolkit

NRP Live is an exciting new webinar series you don’t want to miss. NRP Steering Committee members and special guest speakers invite you to join the discussion about critical NRP concepts, ask your NRP questions, and learn how your colleagues are putting NRP 7th Edition to work.

Missed the previous webinars? Access your NRP Instructor Renewal bundle and open the Instructor Toolkit to find the archived webinars. Recent webinar topics include telemedicine, integrating OB and NRP training, use of laryngeal masks, a guided walkthrough of the Scenario Builder and Scenario Template, and discussion about a “What Would You Do?” scenario.

NRP Live is supported by an unrestricted educational grant from Fisher & Paykel Healthcare.


NRP Customer Support Knowledge Base

Have an NRP question? Our Customer Support Knowledge Base is here! Visit http://aap.helpjuice.com/404-NRP and find answers to all your NRP questions. Here are a few frequently asked questions.

How do I maintain my NRP Instructor status?

Beginning in 2017 with the implementation of the NRP 7th Edition, current NRP Instructors must complete the following within their two-year renewal period:

• Teach or co-teach two courses
• Complete the NRP Instructor Exam
• Complete NRP eSim cases
• Maintain access to the NRP Instructor Renewal Bundle

I completed all requirements to maintain my instructor status, but I cannot locate my Instructor eCard.

If you have met all renewal requirements, including purchase of the NRP Instructor Renewal bundle, completion of the exam and eSim cases, and have taught/co-taught two NRP courses, your eCard will be generated in your LMS profile 60 days prior to your expiration date. Your card will be available in your LMS Profile, by clicking the “Profile” tab at the top of the page and navigating to “Resuscitation Cards.”

Can I teach the NRP 7th Edt. if I don’t yet have access to the NRP Instructor Renewal bundle?

The NRP Instructor Renewal bundle contains videos, downloadable PDFs, and other information that is helpful for classroom preparation and management. Access to the NRP Instructor Renewal bundle is required to maintain active NRP Instructor status. You can teach courses prior to purchasing the bundle; however, you will not be able to post a course or submit a roster.

NRP Acknowledgements

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

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2017 NRP Current Issues Seminar
September 15, 2017 – Chicago, IL

Save the date for Friday, September 15, 2007 and join us on the beautiful Chicago lakefront for the (CO009) NRP Current Issues Seminar to be held in conjunction with the 2017 American Academy of Pediatrics (AAP) National Conference and Exhibition.

This year’s seminar will feature a dynamic new format to allow more hands-on opportunities and the new NRP Live session. These Live sessions will feature NRP® Steering Committee members and editors interacting with the audience to demonstrate and dialogue on YOUR questions and challenges regarding science, administration, simulation and education methodology. In each of the two breakout sessions, attendees will have the choice of participating in the Discussion Series or Simulation Scenarios. The Discussion Series will feature presentations from experts in the fields of simulation and neonatal medicine with considerable time for Q&A and debriefing opportunities. The Simulation Scenario sessions will feature hands-on simulation for term and preterm cases with expert faculty.

The 2017 National Conference and Exhibition will be held September 16 – 19, 2017 at McCormick Place in Chicago, IL.

Registration pricing will be available soon, and registration for the 2017 National Conference will open on May 3, 2017—please check aapexperience.org!

This seminar is best suited for current NRP instructors and clinical healthcare professionals involved with neonatal resuscitation.

Seminar Credit

The American Academy of Pediatrics (AAP) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The AAP designates this live activity for a maximum of 6.25 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This activity is acceptable for a maximum of 6.25 AAP credits. These credits can be applied toward the AAP CME/CPD Award available to Fellows and Candidate Members of the AAP.

This program is accredited for 6.25 NAPNAP CE contact hours of which 0 contain pharmacology (Rx), content per the National Association of Pediatric Nurse Practitioners (NAPNAP) Continuing Education Guidelines. The AAP is designated as Agency #A17. Upon completion of the program, each participant desiring NAPNAP contact hours should send a completed certificate of attendance, along with the required recording fee ($13 for NAPNAP members, $15 for nonmembers), to the NAPNAP National Office at 5 Hanover Square, Suite 1401, New York, NY 10004. Keep this certificate for your records for six (6) years. Requests for duplicate certificates should be made to the AAP.

The American Academy of Physician Assistants (AAPA) accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit(s)™ from organizations accredited by the ACCME. Physician assistants may receive a maximum of XX hours of Category 1 credit for completing this program.

This activity is being submitted to the Ohio Nurses Association (OBN-001-91) for approval to award contact hours. The Ohio Nurses Association is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

This activity is being submitted to the American Association for Respiratory Care (AARC) for continuing education contact hours for respiratory therapists.

September 16 – 19, 2017 | Chicago
September 13 Preconference Sessions & Events

Unable to join in person? Join a seminar on Facebook!
You can still participate and have your NRP questions answered! Select presentations will be streamed via Facebook Live throughout the day, so you can tune in from home or work. Have a question for the NRP Steering Committee? Remember to like us on Facebook for an opportunity to submit questions.

7:30 – 8:15AM  Registration
8:15 – 8:30AM  Welcome
Vishal Kapadia, MD, MSCS, FAAP, Program Chair
Marya Strand, MD, MS, FAAP, Program Chair
8:30 – 9:00AM  Hot Topic: Teleneonatology
Jennifer Fang, MD, MS, FAAP
Breakout 1
Simulation Scenarios (term gestation cases) & NRP Live
OR Discussion Series 1 & NRP Live
9:00 – 10:30AM  Breakout 1: Simulation Scenarios
NRP Experts
Breakout 1: NRP Live (science focused)
Jeanette Zaichkin, RN, MN, NNP-BC
Gary Weiner, MD, FAAP
Marya Strand, MD, MS, FAAP
Marilyn Escobedo, MD, FAAP
Breakout 1: Discussion Series 1
Communication in Simulation
Nicole Yamada, MD, FAAP
Leadership & Training in Simulation
Heather French, MD, FAAP
10:30 – 10:45AM  Break
10:45AM – 12:15PM  Repeat Breakout 1 Sessions
12:15 – 1:00PM  Lunch (provided)
Breakout 2
Simulation Scenarios (preterm cases) & NRP Live
OR Discussion Series 2 & NRP Live
1:00 – 2:30PM  Breakout 2: Simulation Scenarios
NRP Experts
Breakout 2: NRP Live (education focused)
Jeanette Zaichkin, RN, MN, NNP-BC
Gary Weiner, MD, FAAP
Marya Strand, MD, MS, FAAP
Marilyn Escobedo, MD, FAAP
Breakout 2: Discussion Series 2
The Delivery Room of the Future
Elizabeth Foglia, MD, FAAP
New Statement & the OB Perspective
Jessica Illuzzi, MD, MS
2:30 – 2:45PM  Break
2:45PM – 4:15PM  Repeat Breakout 2 Sessions
4:15PM  Adjourn
Young Investigator Awards:

Catharine Walsh, MD, MEd, PhD, FAAP
Hospital for Sick Children, Toronto
“Development and Validation of a Competency Assessment Tool for Bag Mask Ventilation”

Research Grant Award:

Satyan Lakshminrusimha, MD, FAAP
State University of New York at Buffalo
“Flush Volume and Epinephrine Pharmacokinetics”

Congratulations to our research grant awardees!
The Fall/Winter issue of the NRP Instructor Update will include information about the 2018 NRP Research Grant Program.

NRP Instructor Tip:

Assess Your Knowledge

The newborn is apneic and bradycardic. The team has had difficulty achieving chest movement with face-mask ventilation and has completed all of the MR. SOPA steps, including intubation. Immediately after intubation, the tip-to-lip depth of the tube is confirmed, and the newborn has bilateral breath sounds and chest movement with each ventilation. The heart rate remains less than 60 bpm.

What is the next step?

A. Start chest compressions in 100% oxygen.
B. Administer 30 seconds of PPV through the endotracheal tube and re-check the heart rate.
C. Continue PPV and start compressions after the umbilical venous catheter is in place.

The correct answer is “B.” NRP 7th Edt. recommends that the newborn receive 30 seconds of PPV through the ET tube or laryngeal mask before chest compressions begin. After doing 30 more seconds of PPV with a properly inserted alternative airway, chest compressions may be unnecessary. In the Textbook of Neonatal Resuscitation 7th Edt., this information is found on pages 86 and 149, in the scenario on page 165, and in the indications for chest compressions on page 166.

AAP Expands National Affiliate Membership to Include Nurse Practitioners

The AAP recently expanded National Affiliate Membership to include certified, licensed nurse practitioners working on a pediatric/neonatal care team. For more information on National Affiliate membership, please visit the AAP Membership page at shop.aap.org/aap-membership.

Annual dues are $150. Those who are members of the National Association of Pediatric Nurse Practitioners (NPAP) or the Society for Physician Assistants in Pediatrics (SPAP) have reduced annual dues of $135. Membership allows for some exciting opportunities, including access to more than 66,000 pediatric colleagues through the Membership Directory, savings on member discount programs in insurance, credit cards, car rentals, and collaboration with other members who share similar interests and specialties through participation in Sections and Councils.

How Do I Renew My Status?

You must purchase and enroll in the NRP Instructor Renewal Bundle, complete the Instructor Exam, eSim cases, and Instructor Exam and eSim Evaluation. Additionally, you must teach 2 Instructor-led Events within your 2-year time frame to have your instructor status renewed.

We’d Like to Hear From You

Does your unit use a particularly good neonatal code sheet or system for documenting resuscitation events and response? We are interested in seeing it. Please send it via e-mail to lifesupport@aap.org and we will contact you if we’d like to reproduce it or adapt it for others to consider.