

# 2012 Neonatal Outreach Education Program Course Catalog



Photo by Brian Redden

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Children's  
Hospital  
Central California 

Amazing People. Incredible Care.

# Save The Date

## Children's Hospital Central California 4th Annual Neonatal Regional Conference

Friday, November 2, 2012  
10 a.m. - 5 p.m.

Pre-Conference Workshops

Wednesday, October 31, 2012 - S.T.A.B.L.E. Provider Course  
Thursday, November 1, 2012 - S.T.A.B.L.E. Cardiac Module

### Continuing Education Credits:

Provider approval pending by the California Board of  
Registered Nursing, Provider number CEP316.  
Call for specific contact hours.

**More information coming soon!**

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## Program Overview

The Neonatal Outreach Education Program at Children's Hospital Central California is designed to serve the educational needs of the region's health care professionals related to neonatal care.

Participation in the program begins with an on-site assessment of the area hospital to identify educational needs of the medical, nursing, and/or respiratory care staff. We offer both didactic, as well as clinical skills courses.

Following the visit, an individualized summary of findings and recommendations is developed for review. The Neonatal Outreach Education Program offers the following provisions including:

- Professional consultation in development, review, and revision of neonatal standards, protocols, policies, and procedures
- Guidelines for maternal/fetal and neonatal consultation
- Guidelines for referral and/or transport for hospitals providing basic, intermediate-level, and community-level neonatal intensive care
- Provision of medical, nursing, and/or ancillary staff inservice education with topics jointly selected
- Annual review of neonatal patient data & outcomes
- Customer service assessment



## General Course Information



### Registration

Pre-registration is available for all courses offered at Children's Hospital Central California, as space is limited.

To ensure class availability, please send completed registration form (see page 17) to:

**Children's Hospital Central California  
Neonatal Outreach Education, SE20  
9300 Valley Children's Place  
Madera, California 93636-8762**

Registration by Phone: **(559) 353-5615 / (559) 353-6255**  
or Fax: **(559) 353-5580**  
or to access online go to:

**<http://www.childrenscentralcal.org/Services/hospitalservices/nursinged>**

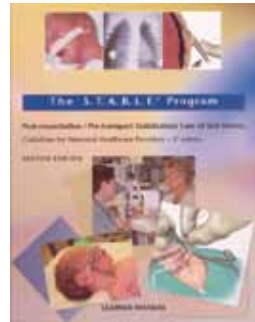
Neonatal Outreach Education questions or requests via email to:  
**[apeerson@childrenscentralcal.org](mailto:apeerson@childrenscentralcal.org)** or **[kanderson2@childrenscentralcal.org](mailto:kanderson2@childrenscentralcal.org)**

### Fee Schedule:

Some courses may require fees. For current schedule of fees for courses, lectures, and/or learning manuals, as well as for information regarding continuing education availability, please contact Neonatal Outreach Education.  
**(559) 353-5615 / (559) 353-6255**

## S.T.A.B.L.E.: Pre-Transport Stabilization Program

The S.T.A.B.L.E. Program is a widely accepted neonatal post-resuscitation/pre-transport stabilization educational and clinical tool. "S.T.A.B.L.E." stands for the six assessment parameters covered in the program: Sugar & Safe Care, Temperature, Airway, Blood Pressure, Lab Work, and Emotional Support for the family. S.T.A.B.L.E. is considered by neonatal educators and leaders in neonatology to be the follow-up, complementary program to the American Academy of Pediatrics/American Heart Association Neonatal Resuscitation Program (NRP).



**S.T.A.B.L.E. Course: April 27 / July 27 / October 31**

**Time:** 8 a.m. - 5 p.m.

**Location:** Children's Hospital Conference Center, Garden Level

**Registration:** By Mail, Fax, or Telephone

**Learning Manual:** Course requirement, available for purchase - **\$40**

**Course Fee: \$60** - Includes course hand-outs, buffet lunch and CEUs. (Course manual not included, unless pre-ordered.)

**Continuing Education Credits:**

Provider approval pending by the California Board of Registered Nursing, Provider number CEP316. Call for specific contact hours.

**This course or a renewal course may also be offered on-site at your facility for groups of 8 or more. Please contact Neonatal Outreach Education (page 3) to schedule this course.**

## S.T.A.B.L.E.: Cardiac Module



The S.T.A.B.L.E. Cardiac Module provides general guidelines for the assessment and stabilization of neonates with suspected congenital heart disease (CHD). Prompt, effective, appropriate care of neonates with severe CHD can reduce secondary organ damage in short and long-term outcomes and reduce morbidity and mortality. This course is beneficial for any neonatal or pediatric healthcare provider (physicians, nurses, respiratory therapists) who must identify and care for neonates or infants with congenital heart disease.

**S.T.A.B.L.E. Cardiac Module: November 1**

**Date/Time/Location:** 8 a.m.-5 p.m.

**Location:** Children's Hospital Conference Center, Garden Level

**Registration:** By Mail, Fax, or Telephone

**Learning Manual:** Course requirement, available for purchase - **\$40**

**Course Fee: \$60** - Includes course hand-outs, buffet lunch and CEUs. (Course manual not included, unless pre-ordered.)

**Continuing Education Credits:**

Provider approval pending by the California Board of Registered Nursing, Provider number CEP316. Call for specific contact hours.

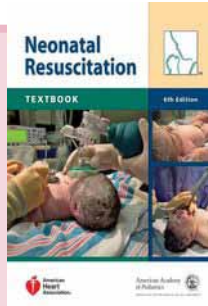
**This course may also be offered on-site at your facility for groups of 8 or more and/or in conjunction with the STABLE Course. Please contact Neonatal Outreach Education (page 3) to schedule this course.**

## Neonatal Resuscitation Program: Provider Course

This Neonatal Resuscitation Program is an educational program that has been designed to teach an evidence-based approach to resuscitation of the newborn. The causes, prevention, and management of mild to severe neonatal asphyxia are carefully explained so that health professionals may develop optimal knowledge and skill in resuscitation.

**Provider Course:** 8 a.m.-12 p.m.

<b>January 6</b>	<b>May 11</b>	<b>September 14</b>
<b>February 3</b>	<b>June 1</b>	<b>October 5</b>
<b>March 2</b>	<b>July 6</b>	<b>November 2</b>
<b>March 9</b>	<b>July 13</b>	<b>December 7</b>
<b>April 6</b>	<b>August 3</b>	
<b>May 4</b>	<b>September 7</b>	



**Location:** Children's Hospital Conference Center, Garden Level

**Registration:** Please call Clinical Education and Informatics at (559) 353-5902 to register for this course and for course fee information.

**Learning Manual:** Course requirement, may be purchased or borrowed. Must review book prior to the course.

Available for check-out from Children's Hospital Medical Library up to 45 days in advance. A refundable \$100 deposit (by personal check only) is required to borrow the manual. Textbook is also available for purchase through Clinical Education and Informatics.

**Testing:** You must successfully complete the online exam prior to your NRP course and must bring proof of successful completion.

### **Continuing Education Credits:**

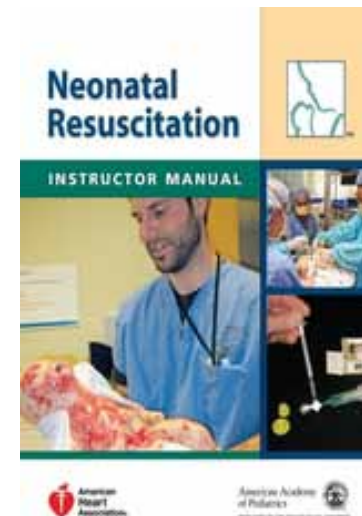
Provider approval pending by the California Board of Registered Nursing, Provider number CEP316. Call for specific contact hours.

## Neonatal Resuscitation Program: Instructor Resource

The Neonatal Outreach Education Program is available for consultation on NRP Program changes and Instructor requirements that became effective January 1, 2012. Consultations to include recommendations for:

- Performance Skills Stations
- Integrated Skills Stations
- Simulation and Debriefing
- Instructor Requirements

Please contact Neonatal Outreach Education (page 3) to schedule a consultation and/or instructor course.



## Neonatal Simulation: SimNewB



Children's Hospital Central California is excited to offer high-fidelity simulation training with SimNewB!

This is the first neonatal simulator of its kind, and its realistic traits and lifelike responses make it the most emotionally engaging patient simulator of all. SimNewB is designed to meet the training requirements of neonatal emergency medicine and resuscitation courses and is the most authentic and comprehensive simulation solution in its field. SimNewB helps improve team dynamics, builds confidence and facilitates practice in a risk-free environment. Utilizing SimNewB for multidisciplinary simulation based training allows healthcare providers to improve communication, refine critical thinking skills, and ultimately help improve neonatal patient outcomes.

**SimNewB can travel! To schedule mock neonatal code blue or other high risk scenarios with SimNewB at your facility please contact Neonatal Outreach Education.**

### **Continuing Education Credits:**

Provider approval pending by the California Board of Registered Nursing, Provider number CEP316. Call for specific contact hours.

## Neonatal Core Curriculum

Our Neonatal Outreach Education team can design neonatal curriculum to meet the educational needs of healthcare professionals at your facility. Our educators will work in collaboration with your team of professionals to design a curriculum to reflect your unique interests and educational needs. These core curriculum courses are offered on-site at your facility or may be hosted at Children's upon request.

Sample Core Curriculum:

- Physical Assessment of the Newborn
- Preparing the Compromised Infant for Transport
- Umbilical Catheter Management
- Common Respiratory Conditions
- Hyperbilirubemia
- Basic X-Ray Interpretation
- Fluid & Electrolyte Management of the Neonate

Please contact Neonatal Outreach Education (page 3) to schedule core curriculum courses.

### **Continuing Education Credits:**

Provider approval pending by the California Board of Registered Nursing, Provider number CEP316. Call for specific contact hours.

**NEW FOR 2012!**

## Physician Lectures / Patient Case Presentations

We are pleased to offer the following educational activities to our primary care, pediatrician and obstetrician physicians in the Children's Hospital Central California region.

Lectures Available:

- Limits of Viability and Discontinuation of Resuscitation
- Oxygen in the Delivery Room
- Pre-Term Labor Assessment
- Neonatal Hypoglycemia
- The Late Pre-Term Infant
- Hypoxic-Ischemic Encephalopathy and Hypothermia Treatment
- Newborn/Neonatal Hyperbilirubinemia

**\*\* Other topics available by special request as well as shared patient case presentations**

Please contact Neonatal Outreach Education (page 3) to schedule.

**NEW FOR 2012!**

## Lactation Education

These didactic workshops are designed to educate health care professionals who provide lactation support for mothers. This lactation education provides for discussion of current clinical management by means of lecture, case review, and open discussion.

Topics presented may include but not limited to:

- Breastfeeding and Nutrition for Term or Pre-Term Infants
- Human Milk Banking and Donor Breastmilk
- Assessment and Interventions for Mother's Milk Supply

Please contact Neonatal Outreach Education (page 3) to schedule.

### Continuing Education Credits:

Provider approval pending by the California Board of Registered Nursing, Provider number CEP316. Call for specific contact hours.

## Clinical Practice Consultations



The Neonatal Intensive Care Unit at Children's Hospital Central California is dedicated to the education and success of our referring and community hospitals and healthcare facilities. The vision of our Neonatal Clinical Nurse Specialist team is to partner in consultation on clinical and professional practice issues to ensure the best possible outcomes for our neonatal population.

Upon request, specific consultations can be designed to meet the needs of your facility.

### Sample Consultations to include:

- Quality Improvement Strategies
- Performance Improvement Implementation
- Policy & Procedure Review
- Data Utilization
- Teamwork & Effective Communication
- Partnering with Parents in Care
- Interdisciplinary Complex, Clinical Case Review
- Nursing Peer Review

## Neonatal Morbidity & Mortality Conferences

Each year, Children's Neonatal Intensive Care Unit presents monthly Morbidity and Mortality (M&M) Conferences. These conferences are designed to educate physicians, registered nurses, respiratory therapists, and other healthcare professionals about topics related to mortality and morbidity of the neonatal population. No registration or fees required to attend these conferences. Come one, come all!

### Webcast Access

Participation in monthly M&M conferences is now available online via webcast. Please email [apeerson@childrenscentralcal.org](mailto:apeerson@childrenscentralcal.org) or [kanderson2@childrenscentralcal.org](mailto:kanderson2@childrenscentralcal.org) to be added to webcast email distribution list for instructions and log-in information.

Date	Time
<b>First Thursday of every month</b>	
February 2, 2012	7:45 a.m. - 9:00 a.m.
March 1, 2012	7:45 a.m. - 9:00 a.m.
April 5, 2012	7:45 a.m. - 9:00 a.m.
May 3, 2012	7:45 a.m. - 9:00 a.m.
June 7, 2012	7:45 a.m. - 9:00 a.m.
July 5, 2012	7:45 a.m. - 9:00 a.m.
August 2, 2012	7:45 a.m. - 9:00 a.m.
September 6, 2012	7:45 a.m. - 9:00 a.m.
October 4, 2012	7:45 a.m. - 9:00 a.m.
November 1, 2012	7:45 a.m. - 9:00 a.m.
December 6, 2012	7:45 a.m. - 9:00 a.m.

### Location:

Children's Hospital Conference Center, G140 B or online via webcast.

**Registration:** None required

**Fee Schedule:** Free!

**Continuing Education Credits:** Provider approval pending by the California Board of Registered Nursing, Provider number CEP316. Call for specific contact hours.

## Neonatal Therapeutic Hypothermia Program

Children's Hospital Central California now offers Therapeutic Hypothermia treatment for infants who meet criteria that are suspected of having moderate to severe Hypoxic-Ischemic Encephalopathy (HIE). This therapy involves body cooling to 33.5°C for 72 hours.

HIE can be a serious brain dysfunction that may present shortly after birth. Recent studies have shown that when therapeutic hypothermia is initiated **within 6 hours of birth**, the incidence of death or severe disability is reduced.

If a newborn greater than or equal to 36 weeks gestation is suspected of having moderate to severe HIE call **1-866-353-5437 immediately** for a neonatal consultation and possible transport to the Neonatal Intensive Care Unit. Avoid overheating any infant identified with HIE by not using excessive blankets or a hat. Once a consultation with a neonatologist has occurred and the infant is identified as meeting criteria for cooling, further instructions on how to initiate *passive cooling* will be given.

For additional information and for 24/7 consultation and referral, please contact:

**Children's Access Center**  
24/7 Consultation and/or Referral  
**(866) 353-KIDS (5437)**

## Clinical Criteria Checklist

Eligibility criteria to be considered for cooling—Must fulfill all three criteria

- ▶ **I Infants  $\geq$  36 weeks gestational age,  $\leq$  6 hours after birth**
- ▶ **II Two or more of the following:**
  - Acute perinatal event (abruptio placenta, cord prolapse, severe FHR abnormalities such as variable or late decelerations)
  - Low APGAR scores ( $< 5$  at 10 minutes)
  - Prolonged resuscitation at birth (chest compressions and/or intubation or mask ventilation at 10 minutes)
  - Severe acidosis (pH  $< 7.00$  from cord or patient blood gas within 60 minutes of birth)
  - Abnormal Base Deficit ( $< -12$  mmol/L from cord or patient blood gas within 60 minutes of birth)
- ▶ **III Neurological Examination—Demonstrates signs of moderate or severe encephalopathy Defined by Seizures OR One finding in a minimum of 3 categories below**

Category	Moderate Encephalopathy	Severe Encephalopathy
Level of consciousness	<input type="checkbox"/> Lethargic	<input type="checkbox"/> Stupor/coma
Spontaneous activity	<input type="checkbox"/> Decreased activity	<input type="checkbox"/> No activity
Posture	<input type="checkbox"/> Distal Flexion, full extension	<input type="checkbox"/> Decerebrate
Tone	<input type="checkbox"/> Hypotonic (focal, general)	<input type="checkbox"/> Flaccid
Primitive reflexes		
Suck	<input type="checkbox"/> Weak	<input type="checkbox"/> Absent
Moro	<input type="checkbox"/> Incomplete	<input type="checkbox"/> Absent
Autonomic system		
Heart rate	<input type="checkbox"/> Bradycardia	<input type="checkbox"/> Variable HR
Respiration	<input type="checkbox"/> Periodic breathing	<input type="checkbox"/> Apnea
Pupils	<input type="checkbox"/> Constricted	<input type="checkbox"/> Deviated/dilated or non reactive to light

**Do not attempt to actively cool the baby. Therapeutic hypothermia should only be initiated by Children’s Hospital Central California transport staff members.**

## Children’s Access Center

**(866)-353-KIDS (5437)**  
24/7 Access

Consultative services are available to all primary healthcare providers in the region. Clinical consultations are provided via telephone regarding management of the high-risk neonate and/or equipment. On-site consultative assessments of equipment, services, and/or staff are available upon request.

This 24/7 one-stop center is designed for referring physicians. Access Center staff will route your call while you wait. You will always speak to a live person who will make sure your call is taken.

Use this toll-free number to get professional consultation with a specific physician or a physician in a specific specialty or subspecialty; facilitate direct physician-to-physician patient admissions; arrange emergency air or ground patient transport; facilitate the referral of a patient to Children’s; or remain informed about a referred patient’s condition and/or discharge plans. If you wish to speak to a physician who is unavailable, an Access Center representative can connect you to an available specialist or arrange for the requested physician to return your call that day.

**(866)-353-KIDS (5437)**



## Children's Hospital Central California

Children's Hospital Central California offers Regional Neonatal Intensive Care\* - the highest level of care available for neonates and infants between Los Angeles and the Bay Area - in its 88-bed Neonatal Intensive Care Unit (NICU) which includes 21 private and semi-private rooms. Children's Hospital physicians and staff provide Intermediate Neonatal Intensive Care\*\* for neonates and infants in its NICUs at partner hospitals in the region - St. Agnes Medical Center, Fresno (6-bed unit), Mercy Medical Center, Merced (8-bed unit) and Central Valley General Hospital, Hanford (4-bed unit).\*\*\*

\*Regional Neonatal Intensive Care is the highest rating by the California Children's Services (CCS) program and denotes NICUs that offer the capability of providing a full range of neonatal care services including neonatal surgery, for severely ill neonates and infants. Regional NICUs provide support to Community and Intermediate NICUs in its region that includes, but is not limited to, professional education and consultation.

\*\*Intermediate Neonatal Intensive Care nurseries are located within a CCS-approved Pediatric Community, General Community or Special Hospital that has the capability of providing neonatal care services for sick neonates and infants who do not require intensive care but require care at a level higher than provided in a general nursery. Such infants may include, but are not limited to, infants requiring intravenous medication, exchange transfusion, nasogastric tube feeding, parenteral nutrition, oxygen therapy and short-term ventilatory assistance.

\*\*\*NICUs also receive specialty rankings by national and international medical organizations. According to the Vermont Oxford Network (VON), a nonprofit voluntary collaboration of healthcare professionals of over 900 NICUs around the world, Children's Hospital Central California's NICU is a Level IIIIC, the organization's highest ranking, meaning the Hospital has no restrictions on ventilation and performs major surgery including open-heart surgery for neonates. According to the American Academy of Pediatrics, Children's NICU is a Level IIID, the organization's highest ranking, meaning the Hospital offers major surgery, surgical repair of serious congenital heart anomalies that require cardiopulmonary bypass, and/or ECMO for medical conditions.



## Registration Form

### Children's Hospital Central California Neonatal Outreach Education Program

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Employer: \_\_\_\_\_

License Type/License #: \_\_\_\_\_

Department: \_\_\_\_\_

Email Address: \_\_\_\_\_

I would like to register for the following courses:

Course Title: \_\_\_\_\_

Date: \_\_\_\_\_

Course Title: \_\_\_\_\_

Date: \_\_\_\_\_

Requested education not listed in catalog: \_\_\_\_\_

Suggestions for future course offerings: \_\_\_\_\_

Please send registration form to:

**Children's Hospital Central California  
Neonatal Outreach Education, SE20  
9300 Valley Children's Place  
Madera, CA 93636-8762**

**or Fax: (559) 353-5580**

to access registration form online go to:

<http://www.childrenscentralcal.org/Services/hospitalservices/nursinged>



Neonatal Outreach Education, SE20  
9300 Valley Children's Place  
Madera, CA 93636-8762

RETURN SERVICE REQUESTED