

## British Columbia Provincial Neonatal Resuscitation Program (NRP) Update

As you may already know, the Canadian Paediatric Society (CPS) launched the new NRP Educational Program in the September 2006 in Richmond, BC.

However, it is important to stress that 2006 also saw a number of critical changes to NRP administration and governance at a National level which have generated a much more complex transition than in previous cycles.

This time around, the CPS review of science and affirmation of Canadian NRP scientific standards<sup>1</sup> has required a careful review, by the National NRP Committee, of the AAP/AHA education materials<sup>2</sup> and adaptation of the Resuscitation Flow Diagram, Performance Checklists, Basic and Advanced Megacodes and Written Evaluation<sup>3</sup> amongst other tools and resources.

The Canadian NRP standards<sup>1,2,4</sup> are the result of the review of science and recommendations provided by the International Liaison Committee on Resuscitation (ILCOR), the AAP/AHA NRP Steering Committee, and the CPS Canadian Review Process.

In addition to the practice changes, the change of NRP administration from the Heart and Stroke Foundation of Canada to the CPS is leading to operational changes nationally. As a result of these changes BCRCP is experiencing a transition in relationships and mutual obligations which is gradually becoming clear.

Below is the most current information related to the evolving CPS-BCRCP relationship. This information will be posted in the BCRCP website, and will be updated as new information becomes available.

### **Transition to NRP 2006**

New Canadian NRP standards were launched in British Columbia in September of 2006, and are in effect immediately. All new NRP teaching of providers (new provider or renewal) and instructor training or updates will be done using the new standards.

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<sup>1</sup> Canadian Paediatric Society. Addendum to the 2006 NRP Provider Textbook: Recommendations for specific treatment modifications in the Canadian context. November 2006.  
<http://www.cps.ca/English/ProEdu/NRP/addendum.pdf>

<sup>2</sup> Canadian Paediatric Society. Neonatal Resuscitation Program Revisions 2006: A Brief Summary for Busy Canadians. [http://www.cps.ca/English/ProEdu/NRP/NRP\\_Revisions.pdf](http://www.cps.ca/English/ProEdu/NRP/NRP_Revisions.pdf)

<sup>3</sup> Canadian Paediatric Society. Neonatal Resuscitation Program (NRP).  
<http://www.cps.ca/English/ProEdu/NRP/index.htm>

<sup>4</sup> 2005 American Heart Association (AHA) Guidelines for Cardiopulmonary Resuscitation (CPR) and Emergency Cardiovascular Care (ECC) of Pediatric and Neonatal Patients: Neonatal Resuscitation Guidelines. PEDIATRICS Vol. 117 No. 5 May 2006, pp. e1029-e1038 (also found at <http://pediatrics.aappublications.org/cgi/content/full/117/5/e1029>)

However, instructors need to be aware that, as in previous NRP change cycles, the implementation of all recommendations cannot be expected to occur immediately.

Obstetrical and neonatal care sites need to put into motion a “gap” assessment, inclusive of a purchasing plan, to bring them into compliance with the new standards. This should be contemplated as soon as possible; some equipment can be readily accessed and will not significantly impact institutional budgets<sup>5</sup> while other equipment will need capital or significant operational investment<sup>6</sup>.

Please note that effective immediately, **BCRCP will not be selling any of the NRP instructional materials**. These are directly available, to institutions and individuals, from the CPS Bookstore<sup>7</sup>.

Finally, all provincial NRP databases are being consolidated into a single database by the CPS. The BCRCP will be seeking permission from BC NRP instructors to forward their names and pertinent information to the CPS NRP database. Once the CPS NRP database is up and running, all instructors will be able to register their courses and participants into the database directly. Specifics about costs and timelines will be forthcoming from CPS soon. As an interim measure, the BCRCP will manually transfer to CPS all course logs it receives for courses held in 2006.

The BCRCP, together with the Neonatal Program at BCW, remains the key organization supporting the implementation of NRP 2006 in BC and will increasingly support all neonatal outreach education in BC. In order to do this with maximal success, a Neonatal Outreach Education provincial advisory group is being convened.

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<sup>5</sup> CO<sub>2</sub> detectors and laryngeal mask airways (also part of ACoRN Education), food-grade bags for hypothermia prevention in babies  $\leq 28$  weeks gestation., PEEP valves for units using self-inflating ventilation baggers, oximeters for use during resuscitation for centers electively delivering babies < 33 weeks gestation

<sup>6</sup> Piped air and air oxygen blenders in LDR for centers electively delivering babies < 33 weeks gestation, servo-controlled infant resuscitation warming units, ability to warm up the immediate area where newborn resuscitation takes place to 25-26°C

<sup>7</sup> CPS Bookstore: <http://www.cps.ca/English/Publications/Bookstore/nrp.htm>