

Part A. Detailed list of the equipment available in the resuscitation cart.

Equipment	Quantity
<i>Top of the cart</i>	
Resuscitation binder	1
Oxygen supply	1
Oxygen tubing	1
Adult and pediatric self-inflating bag	1
CPR board (on the side)	1
Resuscitation medication tray	1
<u>Medication tray (total cost : 440\$ CAD)</u>	
Adenosine 3 mg/mL, 4 mL vial	2
Amiodarone 50 mg/mL, 3 mL vial	2
Atropine 0,4 mg/mL, 1 mL ampule	2
Sodium bicarbonates 0,5 mmol/mL, 10 mL syringe	2
Calcium gluconate 100 mg/mL, 10 mL vial	1
Dexamethasone (diluted) 1 mg/mL, 1.2 mL vial	2
Dextrose 50%, 50 mL syringe	1
Dobutamine 12.5 mg/mL, 20 mL vial	1
Dopamine 800 mcg/mL, 250 mL bag	1
Dopamine 1 600 mcg/mL, 250 mL bag	1
Epinephrine 0.1 mg/mL, 10 mL syringe	2
Epinephrine 1 mg/mL, 1 mL vial	3
Fentanyl 50 mcg/mL, 5 mL ampule	2
Flumazenil 0,1 mg/mL 5 mL vial	1
Furosemide 10 mg/mL, 2 mL ampule	3
Hydrocortisone 100 mg, vial	1
Regular Insuline 100 units/mL, 3 mL vial	1
Ketamine 10 mg/mL, 20 mL vial	2
Lidocaine 20 mg/mL, 5 mL syringe	1
Magnesium sulfate 500 mg/mL, 10 mL vial	1
Midazolam 1 mg/mL, 10 mL vial	3
Milrinone 1 mg/mL, 10 mL vial	1
Naloxone 0,4 mg/mL, 1 mL ampule	4
Norepinephrine 1 mg/mL, 4 mL vial	1
Phenobarbital 30 mg/mL, 1 mL ampule	6
Rocuronium 10 mg/mL, 5 mL vial	1
Succinylcholine 20 mg/mL, 10 mL vial	1
<i>First drawer</i>	
Drug labels (adrenalin, atropine, succinylcholine, fentanyl, NaCl 0,9%)	10 each
Blank identification labels	20
Electrodes	2

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Saturation probe sensor < 1 kg (green)	2
Saturation probe sensor < 3 kg or > 40 kg (purple)	2
Saturation probe sensor 3-20 kg (orange)	2
Coban	1
Ventilation mask preterm small	2
Ventilation mask resuscitation round 35 mm	1
Ventilation mask resuscitation round 42 mm	1
Ventilation mask preterm medium	2
Ventilation mask resuscitation newborn large	2
Rapid sequence intubation kit (atropine, fentanyl, succinylcholine)	3
Inter-syringe connector	2
Chlorexidine 0,5% in 70% alcohol pads	20
Alcohol 70% pads	20
Sterile water for injection (10 mL vials)	5
Normal saline (10 mL vials)	5
Needles 21G (green)	20
Needles 18G (pink)	5
Intravenous syringes 1 mL	10
Intravenous syringes 3 mL	10
Intravenous syringes 10 mL	10
<u>Second drawer</u>	
Multiaccess catheter 5 Fr	3
Endotracheal tubes #2	5
Endotracheal tubes #2.5	5
Endotracheal tubes #3	5
Endotracheal tubes #3.5	5
Endotracheal tubes #4	5
Endotracheal tubes #4.5	5
Optic fibre intubating blade #Miller size 00 (BomimedMD)	2
Optic fibre intubating blade #Miller size 0 (HeineMD)	2
Optic fibre intubating blade #Miller size 1 (HeineMD)	2
Optic fibre laryngoscope handle	1
Battery AA 1,5 V (for laryngoscope handle)	2
Flashlight	1
Battery AAA (for flashlight)	1
Hartman forceps	2
Elastoplast	1
Porous adhesive tape (white)	1
Transparent tape	1
Measuring tape	2

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Cotton swabs	5
Benjoin tincture	3
Lubricating jelly	3
Suture removal kit	2
Sterile gauzes 2" x 2 "	5
Meconium trap	2
Intubation guide (5 Fr stylus)	2
Pedi-cap (CO2 detector)	2
Procedural masks	5
Procedural caps	5
Disposable sterile drape	2
Oropharyngeal airway 000 (pink)	2
Oropharyngeal airway 00 (orange)	2
Oropharyngeal airway 0 (blue)	2
Oropharyngeal airway 1 (purple)	2
Nasal airway 12 Fr	2
Nasal airway 14 Fr	2
Laryngeal mask, size #1 < 5 kg	2
Sterile gloves (#6, #6½, #7, #7½,#8)	2 each
<u>Third drawer</u>	
V extension	2
Central line intravenous filter	5
Set pump B-Braun intravenous line	5
B-Braun IV line extension	5
Intravenous syringe 50 mL	5
Sodium chloride 0,9% 100 mL bag	5
Sodium chloride 0,9% 250 mL bag	2
Dextrose 5% 50 mL bag	5
Dextrose 10% 500 mL bag	2
Microbore intravenous line	5
<u>Forth drawer</u>	
Procedural mask with visor	2
T-piece resuscitator circuit	1
Procedural caps	15
Blood pressure armband (#1, #2, #3, #4, #5)	1 each
Emergency thoracic drainage kit (small aperture sterile drape, sterile drape, procedural mask, procedural cap, sterile gloves [#6, #6½, #7, #7½,#8], swabs of chlorhexidine 0,5% in 70% alcohol, intravenous syringes (10 mL and 20 mL), 3-way intravenous adapter, intravenous line T extensions, large Tegaderm®, sterile gauze 2"x2", non-retractable)	1 kit

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peripheral intravenous needle (18G, 20G, 22G, 24G), butterfly needle 23G, hemostatic plastic forceps)	
Emergency umbilical line kit (emergency catheterism kit, scalpel blade 11, umbilical catheter 1 lumen (3,5 Fr and 5 Fr), intravenous syringes (10 mL and 50 mL), 3-way intravenous adapter, sterile drape, aperture sterile drape with clamp, umbilical cord wrap, large Tegaderm®, swab of aqueous chlorhexidine 0,2%, swab of chlorhexidine 0,5% in 70% alcohol, sterile gauze 2''x2'', sodium chloride 0,9% (10 mL vials and 250 mL bags), SPIKE (universal extension set), needleless connector, procedural masks and caps, sterile gloves [#6, #6½, #7, #7½, #8], Surgifoam®, blue suture kit)	1 kit
Blood sampling kit (heparinated syringe, butterfly needle (23G and 25G), lavender microtube, pale green microtube, blood gaz capillary, hemoculture bottle, citrated blue tube, round puncture tape, 70% alcohol swab, chlorhexidine 0,5% in 70% alcohol swab, pink and green lancet)	1 kit
Emergency peripheral intravenous line kit (internal needle catheter 24G, sodium chloride 0,9% 10 mL syringe, needleless connector, gauze, butterfly needle 23G, Tegaderm®, alcohol swab 70%, chlorhexidine 0,5% in 70% alcohol swab, transparent tape, intravenous T-shape line)	1 kit
Transfusion kit (170-260 micron filter, SPIKE (universal extension set), needleless connector, intravenous syringe 50 mL, blood product pick-up slip, B-Braun intravenous line)	1 kit
<u>Side drawer #1</u>	
Sterile water bottle	3
Suction catheter (#6, #8, #10, #12)	3 each
<u>Side drawer #2</u>	
Large stiff suction catheter	1
Small stiff suction catheter	1
Pear-shaped nose aspirator	1
Levine (8 Fr and 10 Fr)	1 each
Oral syringe 60 mL (with adaptor)	2
Tube connector for suction	1
Resuscitation cart plastic locks	100
<u>Side drawer #3</u>	
Self-inflating bag	1
Flow-inflating bag	1
Manometer	2
Neonatal stethoscope	1
<u>Side drawer #4</u>	
Empty	

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Part B. Pictures of the resuscitation cart

Figure B1. Medication tray.



Figure B2. First drawer of the resuscitation cart.



Figure B3. Second drawer of the resuscitation cart.



Figure B4. Third drawer of the resuscitation cart.



Figure B5. Fourth drawer of the resuscitation cart.



Figure B6. Side drawers of the resuscitation cart

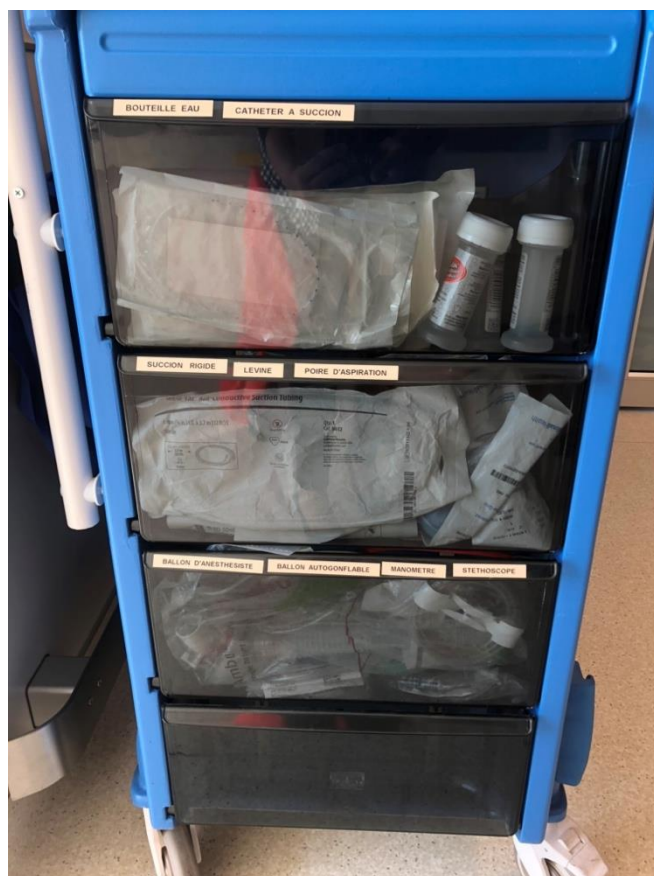


Figure B7. Emergency peripheral intravenous line kit



Figure B8. Blood sampling kit



Part C. Questions from the survey sent to participants

1. What is your profession?
 - a. Neonatologist
 - b. Neonatal nurse practitioner
 - c. Neonatology fellow
 - d. Resident
 - e. Registered nurse
 - f. Nurse aid
 - g. Pharmacist
 - h. Other : _____
2. I have worked in the neonatal intensive care unit since :
 - a. Less than 2 years
 - b. 2 to 3 years
 - c. 4 to 10 years
 - d. More than 10 years
3. Have you worked with the resuscitation carts before March 2017?
 - a. Yes
 - b. No
4. Indicate your level of satisfaction with the following aspects of the resuscitation cart (dissatisfied, somewhat unsatisfied, neutral, somewhat satisfied, completely satisfied)
 - a. The organization of the resuscitation cart (drawers)
 - b. The contents of the resuscitation cart (drawers)
 - c. The organization of the medication tray
 - d. The contents of the medication tray
5. Indicate your level of satisfaction with the resuscitation binder (dissatisfied, somewhat unsatisfied, neutral, somewhat satisfied, completely satisfied)
 - a. Ease of use
 - b. Clarity of information
 - c. Contents of the binder

Indicate the level of agreement with these statements (completely disagree, somewhat disagree, neutral, somewhat agree, completely agree).

6. The new resuscitation carts have:
 - a. Increased the speed of equipment acquisition
 - b. Increased the speed of medication acquisition
 - c. Improved global patient care
 - d. Decreased the risk of errors
7. The new resuscitation binder has:
 - a. Increased the speed of medication preparation
 - b. Improved global patient care
 - c. Decreased the risk of errors
8. Other statements:

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- a. The training received during the implementation period was adequate
- b. The transition period was easy
- c. These changes have decreased the level of stress during resuscitations

Open questions: regarding the resuscitation cart

9. What are 3 elements you appreciate the most : _____
10. What are 3 elements to improve : _____
11. Did you encounter problems with its use? If yes, which ones? _____

Open questions: regarding the resuscitation binder

12. What are 3 elements you appreciate the most : _____
13. What are 3 elements to improve : _____
14. Did you encounter problems with its use? If yes, which ones? _____

On a scale of 1 to 100, what is your global level of satisfaction with the resuscitation carts?

Do you have any other comments/suggestions? _____