

# Scoring Tool for Adherence to the Neonatal Resuscitation Program\*

\*Adapted from van der Heidi et al, with updates from NRP 8th Edition and Gelbart et al

General Information	
Hospital	
Date/Time	
Scenario	
Lead Resuscitator (i.e. MD or RN)	
Team Members Present (i.e. MD/RN/RRT)	

Final Score			Total Cumulative Score / Total Possible Points of all sections
Section	Possible Points	Score	Score %
Group Function	10		
Preparation & Initial Check	14		
HR Evaluation	6		
Oxygen	8		
Bag Mask Ventilation	36		
Intubation	36		
Cardiac Compressions	36		
Drugs/Volume	36		
<b>Total Score</b>	<b>182</b>		

	Not Performed or Omitted (0)	Performed Late or Sub-optimally (1)	Performed Adequately (2)
<b>Group Function</b>			
Clearly defined and functioning lead resuscitator			
Minimal overlap of individual team member functions			
Evidence of Team Collaboration/Cooperation			
Evidence of Communication			
Integration of process (O2 during intubation, pulse oximetry)			
<b>Group Function Score</b> (total points x 1) Total points possible (10)			
<b>Preparation and Initial Check</b>			
Overall equipment check (Warmer, suction, bag/mask, intubation equipment, oxygen)			
Infant placed correctly on warmer			
Position with neck slightly extended (sniffing position)			
Suctioned mouth then nose (positioned with head to side)			
Dried infant thoroughly			
Removed wet linen			

Tactile stimulation (score 0 if continued on apneic infant or omitted from initially depressed infant)			
<b>Equipment Check Score</b>			
Did continued stimulation interfere with resuscitation? (Subtract 2 if yes)			
Deep suctioned before stable? (subtract 1 for each attempt)			
<b>Overall Equipment Check Score</b> (Total points x 1) Total points possible (14)			
<b>Heart Rate Evaluation</b>			
ECG Electrodes Placed			
Heart rate check by approved method			
Heart rate communicated to lead resuscitator			
<b>Heart Rate Score</b> (total points x 1) Total points possible (6)			
<b>Oxygen</b>			
Was giving Oxygen an appropriate decision based on clinical condition of infant?			
Appropriate FiO2 based on gestation (start at 21% for term and 30% for preterm)			
Adjusted FiO2 based on NRP parameters for Goal Oxygen Saturations			
Pulse Ox placed (on right hand, preductal)			
<b>Oxygen Total Score</b> (total points x 1) Total points possible (8)			
<b>Bag Mask/Positive Pressure Ventilation</b>			
Was PPV an appropriate decision based on clinical condition of infant?			
Correct mask size chosen based on size of infant			
Correct rate			
MR SOPA performed if having no improvement in heart rate or chest rise (mask readjustment/head reposition/suction/open mouth/increase pressure/alternative airway)			
Correct pressure and seal during PPV			
Re-evaluated for response			
<b>Ventilation Score</b> (total points x 3) Total points possible (36)			
<b>Intubation</b>			
Was this an appropriate decision based on clinical condition of infant?			
Correct tube size			
Correct handling of laryngoscope			
PediCap used for CO2 detection			
Position checked			
Successful intubation (intubation is successful if <2 attempts)			
<b>Technique total</b>			
No recovery between attempts (subtract 2 for each)			
Number of attempts >30 seconds (subtract 2 for each) x 2			
Number of attempts >2 (subtract 2 for each) x 2			
<b>Total Intubation Score</b> (total points x 3) Total points possible (36)			

<b>Cardiac Compressions</b>			
Were cardiac compressions an appropriate decision based on clinical condition of infant? (HR <60 after 30 seconds of EFFECTIVE PPV ideally with alternative airway)			
Correct method (thumb)			
Correct rate and depth of compressions (90/min)			
Correct rate of ventilation (30/min)			
Correct coordination with ventilation (3:1)			
Re-evaluated for response to compressions			
Appropriate interval			
<b>Total Compressions Score</b> (total points x 3) Total points possible 36			
<b>Drugs/Volume</b>			
Appropriate use of Epinephrine (HR <60 after 30 seconds chest compressions and effective ventilation)			
Appropriate dose and route (0.02 mL/kg IV)			
Re-evaluated for response			
Appropriate use of volume (tachycardia/poor perfusion)			
Appropriate dose and route (10 mL/kg IV)			
Re-evaluate for response			
<b>Drug Score</b> (total points x 3) Total points possible (36)			