

# OBSTETRICS PROCEDURAL SKILLS ASSESSMENT

## Newborn Resuscitation Simulation

### Cover Page

Q1: Facility ID	Q2: Facility Name	Q4b: Time simulation started (HH:MM)
Q3: Observer number	Q4a: Today's date (DD/MM/YYYY) __ / __ / __	__ : __ AM/PM
Q4c: Result <input type="checkbox"/> Interview done <input type="checkbox"/> Health worker refused interview		
<input type="checkbox"/> Partially completed <input type="checkbox"/> Health worker is out		

THIS TEST IS TO BE ADMINISTERED TO A HEALTH WORKER FROM OB/GYN SERVICES. EACH FOLIO (SET OF PAPERS) CORRESPONDS TO ONE HEALTH WORKER ONLY. IF YOU ADMINISTER THIS TEST TO SEVERAL HEALTH WORKERS, YOU NEED A NEW FOLIO FOR EACH HEALTH WORKER. ALSO BE SURE TO RECORD THE STAFF ID NUMBER OF THE HEALTH WORKER ANSWERING THIS TEST, BY REFERRING TO THE STAFF ROSTER TO OBTAIN THE STAFF ID NUMBER.

CHECK THE STAFF ROSTER AND SEE IF THE HEALTH WORKER IS RECORDED AS HAVING GIVEN CONSENT FOR THE RESEARCH. IF NOT YOU MUST READ THE FULL CONSENT FORM AND OBTAIN HIS/HER SIGNATURE. IF YES, REMIND HIM/HER USING THE TEXT BELOW.

Q5a: Has the health worker previously signed a consent form? ☐ Yes → GO TO Q6a ☐ No → GO TO Q7a

Q6a: ASK HEALTH WORKER: **I would like to ask you to simulate the provision of care in a specific medical case. Your answers will remain confidential, we will not share the result of this simulation test and it will not have any impact on your work or the assessment of your performance. Do I have your permission to administer this simulation test?**

☐ Yes → GO TO Q8a ☐ No, consent is not given → observation of this health worker must END; if available, approach another health worker for participation.

Q7a: READ FULL CONSENT SCRIPT TO HEALTH WORKER AND OBTAIN SIGNATURE. Did the health worker sign the form?

☐ Yes → GO TO Q8a ☐ No, consent is not given → observation of this health worker must END; if available, approach another health worker for participation.

Q8a Staff Roster ID number	Q9a Gender	Q10a: Health Worker Category Code (SEE BELOW, MULTIPLE QUALIFICATIONS CAN BE RECORDED)
	<input type="checkbox"/> Male <input type="checkbox"/> Female	

READ THE FOLLOWING TO THE HEALTH WORKER:

**I will start by briefly explaining to you how the simulation works. I will then start observing you in the simulation of the provision of care to an asphyxiated newborn (simulated with the doll that I have here). Please simulate the actions you would take to the best of your knowledge. I will give you information sometimes to let you know what happens in this simulation, but I will not give you advice on what to do or how to do it. If you need me to repeat that information, just let me know.**

Health Worker Category Codes (please circle appropriate category: if multiple categories apply, circle multiple answers)				
1. MD-Obstetrician/Gynecologist	2. MD-Neonatologist	3. MD-Surgeon	4. MD- Family Physician	5. MD - Pediatrician
6. Physician's Assistant	7. Nurse midwife	8. Bachelor and Science of Nursing Nurse	9. Diploma Nurse	10. Nurse with Associate Degree
11. Licensed Practical Nurse	12. Certified midwife	13. Registered Midwife	14. Nurse aide	96. Other, please specify:

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Newborn Resuscitation Simulation				
<b>PREPARE AND SET UP A SIMULATION AREA WITH THE FOLLOWING EQUIPMENT:</b>				
<ul style="list-style-type: none"> <li>NeoNatalie model (preferably filled with water)</li> <li>Table or other suitable flat surface</li> <li>2 x cloth or baby blanket to wrap model</li> <li>2 x cord ties (string)</li> <li>Suction apparatus</li> </ul>	<ul style="list-style-type: none"> <li>Self-inflating bag (newborn)</li> <li>Infant face masks size 0 and size 1</li> <li>Stethoscope</li> <li>Timer (watch or clock)</li> </ul>			
<p><i>FOR SOME PROVIDERS, THIS WILL BE THEIR FIRST EXPOSURE TO THE NEO NATALIE DOLL. BEFORE CONDUCTING THE SIMULATION, BRIEFLY DEMONSTRATE HOW THE DOLL WORKS (SHOW THAT IT RESPONDS TO PROVIDER ACTIONS) AND ALLOW THE PROVIDER TO TOUCH AND TRY IT OUT. <u>DO NOT</u> GIVE ANY INSTRUCTION ON HOW TO PERFORM THE RESUSCITATION. READ EVERYTHING IN <b>BOLD</b> FONT. IF THE PROVIDER HAS NOT SEEN THE “PENGUIN” SUCTION DEVICE BEFORE, LET THEM TRY THAT ALSO.</i></p>				
<p><b>OBSERVER READ ALOUD:</b></p> <p><b>The purpose of this activity is to provide a simulated experience for service providers to demonstrate management of an asphyxiated newborn. During the simulation, you should do and say everything the same as you would during an actual resuscitation. Pretend that I am the newborn’s mother.</b></p>				
<p><b>Gloria has given birth to a 2,800 g baby boy after a prolonged second stage of labor. This was her second pregnancy. Her first baby is alive. At birth, the newborn is blue and limp and does not breathe.</b></p>				
<b>RECORD WHETHER THE PROVIDER CARRIED OUT THE FOLLOWING STEPS AND/OR EXAMINATIONS:</b>				
Question	Yes	No	DK	GO TO
H502: Clears the airway by suctioning the mouth first and then the nose	1	0	8	
H503: Stimulates baby with back rubbing	1	0	8	
<b>OBSERVER: TELL THE PROVIDER THAT THE NEWBORN IS NOT BREATHING AFTER SUCTIONING AND RUBBING THE BACK</b>				
H505: Calls for help	1	0	8	
H506: Ties or clamps cord immediately	1	0	8	
H507: Cuts cord with clean blade or clean scissors	1	0	8	
H508: Places the newborn on his/her back on a clean, warm surface or towel	1	0	8	
H509: Places the head in a slightly extended position to open the airway	1	0	8	
H510: Tells the woman (and her support person) what is going to be done	1	0	8	
H511: Listens to woman and provides support and reassurance	1	0	8	
H512: Checks mouth, back of throat and nose for secretions, and clears if necessary	1	0	8	
H513: Places the correct-sized mask on the newborn’s face so that it covers the chin, mouth and nose (but not eyes)	1	0	8	
H514: Checks the seal by ventilating two times and observing the rise of the chest	1	0	8	
H515: <b>OBSERVER:</b> is the neonatalie model's chest rising?	1	0		Yes→H524
H516: Checks the position of the newborn’s head to make sure that the neck is in a slightly extended position (not blocking the airway)	1	0	8	
H517: Checks mouth, back of throat and nose for secretions, and clears if necessary	1	0	8	
H518: Checks the seal by ventilating two times and observing the rise of the chest	1	0	8	
H519: <b>OBSERVER:</b> is the neonatalie model's chest rising?	1	0		Yes→H524
H520: Checks the position of the newborn’s head again to make sure that the neck is in slightly extended position	1	0	8	
H521: Repeats suction of mouth and nose to clear secretions, if necessary	1	0	8	
H522: Checks the seal by ventilating two times and observing the rise of the chest	1	0	8	
H523: <b>OBSERVER:</b> is the neonatalie model's chest rising?	1	0		
H524: Ventilates at a rate of 30 to 50 breaths/minute	1	0	8	
H525: Conducts assessment of newborn breathing after 1 minute of ventilation	1	0		
<b>OBSERVER: TELL THE PROVIDER THAT THE NEWBORN IS STILL NOT BREATHING AFTER 1 MINUTE OF RESUSCITATION</b>				
H527: Continues ventilation	1	0	8	
H528: Conducts assessment of newborn breathing after prolonged ventilation (10 minutes)	1	0	8	
<b>OBSERVER: TELL THE PROVIDER THAT THE NEWBORN IS NOW BREATHING NORMALLY AFTER CONTINUED RESUSCITATION</b>				
H533: Arranges transfer to special care either in facility or to outside facility	1	0	8	
H534: Explains to the mother (and her support person if available) what happened	1	0	8	
H535: <b>PLEASE COMMENT ON HEALTH WORKER’S PERFORMANCE DURING THE SIMULATION:</b>				
<b>REMEMBER TO THANK PROVIDER FOR THEIR PARTICIPATION IN THE STUDY</b>				
<b>END OF HEALTH WORKER PROCEDURAL SKILLS ASSESSMENT</b>				