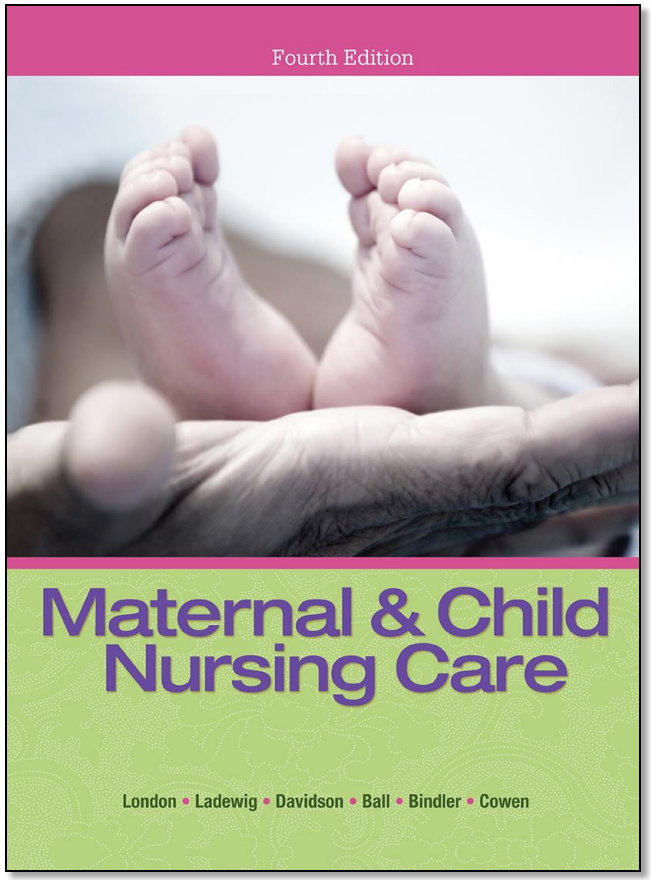
MATERNAL & CHILD NURSING CARE

FOURTH EDITION



CHAPTER 19

The Family in Childbirth: Needs and Care

Dr. Sahar Hassan

Learning Outcome 19-5

Explain the immediate needs and physical assessment of the newborn following birth in the provision of nursing care.

Provision of Initial Newborn Care

- Newborn on mother's abdomen
- Newborn in radiant-heated unit
- Respirations first priority
  - Newborn in modified Trendelenburg position
- Provide and maintain warmth
  - Skin-to-skin contact

Provision of Initial Newborn Care

- Dry
- Stimulate to Breathe
- Reposition

Provision of Initial Newborn Care

Dry the Baby

- Hypothermia is common
- Wet newborns rapidly lose heat
- Use a warm, dry, soft towel
- Any absorbent material:
  - Shirt
  - T-shirt
  - Socks

Provision of Initial Newborn Care

Provision of Initial Newborn Care

- Replace the wet towels
- Then let the mother hold the baby
- Her body heat will help keep the baby warm
- Cover the head to prevent heat loss

Provision of Initial Newborn Care

Clean the Airway

- May need to help them clear mucous & amniotic fluid from the airway
- Use a bulb syringe
- Use it gently

Cut the cord


Photo 44 of 76 | Photos of Jayme | Jayme's Profile
Jayme is so excited to be able to cut the cord!
In this photo: Jayme (photos)
From th
"Introdu
lamebook.com

Provision of Initial Newborn Care

Evaluate the Baby

- Breathing
- Color
- Heart Rate
- Tactile stimulation (rubbing) with a towel; may effectively stimulate a mildly depressed baby

Care of the Newborn

- Maintain respirations
- Provide and maintain warmth
- Apgar score
- Physical assessment
- Newborn identification
- Facilitate attachment

Provision of Initial Newborn Care

Apgar Score: A quick test performed on a baby at 1 and 5 minutes after birth:

- The 1-minute score determines how well the baby tolerated the birthing process
- The 5-minute score tells us how well the baby is doing outside the mother's womb

Provision of Initial Newborn Care

- Apgar scoring system: 5 criteria

A = Activity (muscle tone)

P = Pulse (heart rate)

G = Grimace (reflex irritability)

A = Appearance (skin color)

R = Respiration

Scores

TABLE 22–8 The Apgar Scoring System

Sign	Score 0	1	2
Heart rate	Absent	Slow; less than 100 beats/min	Greater than 100 beats/min
Respiration	Absent	Slow; irregular	Good breathing with crying
Muscle tone	Flaccid	Some flexion of extremities	Active movement of extremities
Reflex response	Absent	Grimace; noticeable facial movement	Vigorous cry; coughs; sneezes; pulls away when touched
Skin color	Pale or blue	Pink body, blue extremities	Pink body and extremities

Source: Data from Apgar, V. (1966). *The newborn (Apgar) scoring system, reflections and advice.* Retrieved from http://profiles.nlm.nih.gov/ps/access/CPBBJY.pdf

The Apgar score rates:

Respiration, crying

Reflexes, irritability

Pulse, heart rate

Skin color of body and extremities

Muscle tone

A.D.A.M.

Provision of Initial Newborn Care

Apgar Score

Color

- Most newborns have acrocyanosis (body is centrally pink, but hands and feet are blue
- Cyanosis requires treatment:
  - Oxygen
  - Airway
  - Ventilation

Question

What score would you give for the of color a newborn with acrocyanosis ?

Provision of Initial Newborn Care

Apgar Score

Check the Heartbeat

- Normal newborn rate is >100
- Palpate umbilical cord or brachial artery
- If pulse <100, ventilate the baby, using whatever skills and equipment you have

Question

What score would you give for the pulse of a newborn 90 ?

Provision of Initial Newborn Care

- Newborn physical assessment by the nurse
  - Abbreviated systematic physical assessment
    - Size
    - Contour, size of head, fontanelles
    - Posture, movement
    - Inspect face, ears, neck, palate
    - Inspect skin

Provision of Initial Newborn Care

- Newborn physical assessment by the nurse
  - Observe nares, suction as needed
  - Inspection and auscultation of chest
  - Inspection of cord, abdomen
  - Genital area, buttocks, anus
  - Extremities
  - Reflexes

Provision of Initial Newborn Care

- Newborn identification
  - Mother and newborn
  - Identification codes
  - Wrist of mother, partner
  - Newborn
    - Two identification bands

Provision of Initial Newborn Care

- Initiation of attachment
  - Emotional time for family
  - Lights can be dimmed
  - Complete assessments with baby on mother's chest, abdomen
  - Breastfeeding encouraged
  - Enhance attachment

END