

UNITYPOINT HEALTH – DES MOINES

GUIDELINE OF CARE

MATERNITY SERVICES

GUIDELINE TITLE: Normal Newborn and Special Care

In addition to these guidelines refer to:

- Clinical Skills
 - Skin-to-Skin Contact (Neonatal)
 - Thermoregulation: Delivery Room Care, Radiant Warmers, and Double-Walled Incubators (Neonatal)
 - Newborn Security (Maternal-Newborn)
 - Apgar score (Neonatal)
 - Admission Assessment (Neonatal)
 - Eye Prophylaxis (Maternal- Newborn)
 - Vitamin K (Maternal-Newborn)
 - Hepatitis B Immunoprophylaxis (Maternal- Newborn)
 - Medication Administration: Oral (Pediatric)
 - Gestational Age Assessment (Maternal-Newborn)
 - Clinical Skills - Newborn Care Education (Maternal-Newborn)
 - Developmental Care (Neonatal)
 - Skin Assessment (Neonatal)
 - Cord Care (Maternal-Newborn)
 - Newborn Bath (Maternal-Newborn)
 - Clinical Skills: Circumcision (Maternal Newborn)
 - Circumcision Care (Maternal-Newborn)
- Guidelines:
 - Neonatal Care of the Late Preterm Guideline
 - Maternity Services Departmental Security Plan

I. Initiate Well Newborn Admission Protocol at time of delivery.

II. Delivery/ Stabilization

a. Assess and record:

i. History: maternal, fetal and newborn

a) Scan mother's prenatal record into chart

ii. Time of delivery

iii. Maternal/ neonatal risk factors: prenatal, intrapartum and delivery

a) Enter treatment team sticky note into the EMR using nblastnurse and any other pertinent information relating to the history or assessment

b. Personnel at delivery

i. Refer to Neonatal: High Risk Delivery and Post Delivery Care Guideline

c. Resuscitation and stabilization

i. Refer to Neonatal Resuscitation Program 7th Edition (2016)

ii. T-piece resuscitator set up per gestational age:

| | ≤30 Weeks | 31-34 Weeks | ≥35 Weeks |
|-----------|-----------|-------------|----------------|
| Flow Rate | 12 LPM | 12 LPM | 12 LPM |
| FiO2 | 30% | 30% | 21% (room air) |
| PIP | 15 | 20 | 20 |
| PEEP | 5 | 5 | 5 |

□ New Date: 08/92

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□ Revised Date: 03/95, 06/97, 06/98, 10/98, 08/03, 11/06, 05/09, 03/12, 3/15, 08/15, 11/17, 2/18, 8/19, 11/19, 6/20, 11/20, 12/20, 4/21, 5/21

□ Reviewed Date: _____

- iii. Oxygen is initiated and titrated as needed per gestational age
 - a) Oxygen is initiated at:
 - a. 30% if gestational age is < 35 weeks
 - b. 21% (room air) if gestational age is ≥ 35 weeks
 - b) Target oxygen saturations:

| Targeted Pre-ductal SpO2 After Birth | |
|--------------------------------------|--------|
| 1 min | 60-65% |
| 2 min | 65-70% |
| 3 min | 70-75% |
| 4 min | 75-80% |
| 5 min | 80-85% |
| 10 min | 85-95% |

- c) Within the first 10-20 minutes of life, the newborn should transition to post-delivery targeted oxygen saturations as defined per gestational age:

| Gestational Age | Target Saturation | Alarm Limits |
|--|-------------------|--------------|
| <32 weeks | 90-95% | 87-98% |
| 32-37 weeks (in oxygen) | 92-96% | 89-99% |
| 32-37 weeks (in room air) | 92-96% | 90-100% |
| >37 weeks | 95-97% | 92-100% |
| For Persistent Pulmonary Hypertension (PPHN) or Congenital Cyanotic Heart Disease – oxygen per order of healthcare provider. | | |

- d) Cardiorespiratory monitor and/or pulse oximetry
 - a. When clinical condition or resuscitation guidelines warrant (i.e., during resuscitation/stabilization, respiratory distress, oxygen is initiated)
 - b. For unstable newborns, cardiopulmonary monitoring is needed until they have had no events for at least 24 hours (clinically stable)
- e) Alarm limits may be altered by provider order as indicated for other specific health conditions (i.e., newborn is in 21% oxygen).
- f) When oxygen need is prolonged refer to:
 - a. Unity Point Health Des Moines Blank Children's Hospital Scope of Service Maternity Services
 - b. ILH and MWH refer to Level II Nursery information below

III. Provider notification and consultation of NICU

- a. Notify the healthcare provider of birth within 2 hours of delivery. Include the following: newborn's birth time (date if indicated), name, and significant history or physical findings. Document communication in the EMR.
- b. NICU Team Support- NNP, NICU transport nurse, Neonatologist, etc.
 - i. If the newborn's status changes within the first 30 minutes of life and the newborn's healthcare provider has not been notified of birth, NICU team may be consulted at nurses' discretion. If the newborn's provider has been notified, then the healthcare provider should consult the neonatologist on call.
 - ii. NICU team may be consulted by the primary healthcare provider any time the newborn's provider has concerns, condition changes suddenly or when the newborn has an emergent health care need (examples: seizures, apnea, bleeding).
 - a) Healthcare Provider should place an inpatient consult to neonatology in the EMR.
 - b) The healthcare provider will be updated regarding newborn's condition by the neonatologist on call.

IV. Nursing Assessment/Care

- New Date: 08/92 Guideline - Neonatal: Normal and Special Care Newborn Page 2 of 10
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APPENDIX B: CMV SCREENING

Identify Risk for CMV:

Failed hearing screen- If neonate fails 2 hearing screens, fails to pass both ears simultaneously, or will be discharged before first failed hearing screen can be repeated

OR

Clinical Symptoms

Petechiae or purpura, Intrauterine growth restriction, head circumference less than 3rd percentile (microcephaly), intracranial calcification, thrombocytopenia (platelets less than 100,000), enlarged liver or spleen, early jaundice in the first 24 hours or prolonged jaundice (longer than 14 days).



- If failed hearing screen:
 - Perform PCR saliva testing for CMV (Epic: CMV by PCR Qual non-blood LAB236).
 - Notify provider and discuss consultation with Pediatric Infectious Disease.
- If symptoms notify and discuss with provider:
 - Presence of symptoms and discuss need for PCR saliva testing for CMV (Epic: CMV by PCR Qual non-blood LAB236).
 - Possible need for consultation with Pediatric Infectious Disease.
- Consent to screen is not needed but the parent can refuse. If parent refuses:
 - Parent must sign the “Refusal of Testing for Congenital Cytomegalovirus” from the Iowa Department of Public Health.
<https://idph.iowa.gov/Portals/1/userfiles/35/Refusal%20of%20cCMV%20testing%201-5-18.pdf>
 - Follow these steps with the refusal form:
 - Place a patient label in the lower right corner.
 - Fax a copy of the refusal form to the IDPH within 6 days. Fax number is: 515-725-1760.



Provide education for parent(s) when screening is done using the Cytomegalovirus (CMV) Information for Parents Brochure



cCMV screen is POSITIVE

Prior to discharge:

- Provider should notify parent(s).
- Refer to AEA and other community resources.
- Consult with Infectious Disease physicians.

If cCMV Screen is NEGATIVE:

Prior to discharge:

- Inform parent(s).