

Section: Division of Nursing

* PROCEDURE *

Index: 6170.015a/7010.080a

Page: 1 of 1

Approval: _____

Issue Date: April 23, 1990

Revised Date: January 2010

HACKETTSTOWN REGIONAL MEDICAL CENTER

Originator: L. Woolford, RN
Revised by: C. Burns, RNC
P. Swanson, RN, MSN

NEWBORN SERVICES/ED
(Scope)

TITLE: ADMINISTERING O₂ TO THE NEWBORN AS AN EMERGENCY MEASURE

PURPOSE: To outline steps to administer oxygen needed by a newborn in an emergency situation.

SUPPORTIVE DATA: Oxygen administration is never considered an innocuous procedure, and its use must be regulated. O₂ in concentrations higher than room air can be toxic to the newborn. Prolonged hypoxia can damage brain and other body tissues. O₂ can be beneficial and essential as an emergency measure. All oxygen and rate of flow must be ordered by a physician except in emergency situations.

EQUIPMENT:

1. Ohio infant care unit with disposable hood
2. Oxygen analyzer
3. Oximeter
4. RDS score sheet
5. Neonatal ambu bag

CONTENT:	PROCEDURE STEPS:	KEY POINTS:
	1. Put infant on infant care unit (Ohio warmer) with disposable hood and servo heat probe. Set Ohio to servo mode and set temp at 37 degrees.	Note: O ₂ can be given to a newborn as blow by without heat and humidity only as an emergency measure until O ₂ with heated mist can be set up.
	2. Use oxygen analyzer to measure O ₂ concentration. Place near newborn's face.	See Oxygen Analyzer Procedure. (6170.014a)
	3. Start at 30% O ₂ , then increase if necessary.	Use lowest concentration of O ₂ that is effective.
	4. Place oximeter on baby.	O ₂ sats should be 90% or higher.
	5. Notify pediatrician as soon as possible.	Give doctor all pertinent information about mother's history, labor, delivery, medication, anesthesia, size of baby, vital signs and gestational age, and respiratory status.
	6. Set up O ₂ with heated mist as soon as possible.	See O ₂ Blender Procedure #6170.005a.
	7. Any change in O ₂ concentration must be covered by a specific doctor's order.	
	8. Record amount of oxygen given in nurses notes in computer Cerner charting and/or RDS sheet at least hourly.	