

**University of Iowa**  
**Hospitals and Clinics**  
Department of Nursing  
Services and Patient Care  
Nursing Clinical Education Center  
4 West, General Hospital  
319-356-1238 Tel

**Date:**

Monday,  
September 28, 2020  
1000-1100 and  
1800-1900

**Intended Audience:**

NICU RNs

**Nursing CE:**

**1.0 contact hour session**  
will be granted by  
University of Iowa  
Hospitals & Clinics  
Department of Nursing  
(IBN Approved Provider  
#34). Participants must  
attend each session in its  
entirety to receive full  
credit; **partial credits will  
not be awarded.**

Questions concerning  
nursing CE credits should  
be directed to the Nursing  
Clinical Education Center  
at 319-356-1238.

**Program Coordinator:**

Mandy Karstens, MSN,  
RNC-NIC  
Interim Nursing Practice  
Leader, NICU  
319-356-3275

# NICU - Oxygen Toxicity

**Purpose/Description:**

Oxygen is a drug that has been administered to more newborns worldwide than any other treatment. Supplemental oxygen is utilized in the NICU to maintain normal physiologic processes required for life as well as to promote pulmonary vasodilation. Excessive supplemental oxygen, however, may damage lung tissues due to oxidative stress. This presentation details the pathophysiology of hyperoxia and describes the potential implications of excessive oxygen in the newborn population.

**Program Objectives:**

1. Provide an overview of the therapeutic benefits of oxygen therapy
2. Review a case study involving a newborn in respiratory distress
3. Discuss the hazards associated with excessive oxygen exposure
4. Review the effects of oxygen toxicity in tissues and organs
5. Provide recommendations for assessing oxygen delivery to tissues and for avoiding hyperoxia

**Location:** Sessions will be held via WebEx

**Program Title:** Oxygen: Too Much of a Good Thing?

**Faculty:** Carol Trees, MSN, NNP-BC  
Clinical Nurse Educator  
Mallinckrodt Pharmaceuticals, formerly Ikarria, INC

Individuals with disabilities are encouraged to attend all University of Iowa-sponsored events. If you are a person with a disability who requires an accommodation in order to participate in this program, please contact the Department of Nursing in advance at (319) 356-1238.

The University of Iowa prohibits discrimination in employment, educational programs, and activities on the basis of race, creed, color, religion, national origin, age, sex, pregnancy, disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, gender identity, associational preferences, or any other classification that deprives the person of consideration as an individual. The university also affirms its commitment to providing equal opportunities and equal access to university facilities. For additional information on nondiscrimination policies, contact the Director, Office of Equal Opportunity and Diversity, the University of Iowa, 202 Jessup Hall, Iowa City, IA, 52242-1316, 319-335-0705 (voice), 319-335-0697 (TDD), diversity@uiowa.edu.