



Center for
Research, Education, Quality & Safety

1500 Concord Terrace
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Humble, TX
October 15, 2019

Tiny Baby Lecture Series

Series 4: Ventilator Complications & Oxidation: First do no Harm

Accreditations

The MEDNAX Center for Research, Education, Quality and Safety is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. (#PO258)

The MEDNAX Center for Research, Education, Quality and Safety designates this live activity for a maximum 2.00 *nursing contact hours*. Participants' attendance and participation in the activity is **required** for *nursing contact hours*.

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Faculty, Planning Committee, and Reviewers – *Any real or apparent conflict(s) of interest related to content have been resolved.*

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FDA: Nothing to disclose.

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Commercial Support – No commercial support is provided for this educational activity.

Purpose – This educational activity will formalize consistent practice among healthcare providers in the NICU on specific issues surrounding the evidence based management of the less than 1500 gram infant.

Learning Outcome – Participants will learn how to improve outcomes by 1) improving interprofessional team-oriented communication through the use of the Risk Benefit Assessment approach, and 2) improving consistency in practice by reviewing and addressing current protocols with current evidence based literature.

IOM Competencies – This educational activity will address 1) Provide patient centered care; 2) Work in interdisciplinary teamwork; 3) Employ Evidence-based practice; and 4) Apply quality improvement.

Objectives – At the conclusion of the activity participants will be able to 1) Identify use of pulse pressure and transillumination to identify a tension pneumothorax; 2) Demonstrate set up for needle thoracentesis; 3) Interpret basic blood gas results; 4) Discuss basics of ventilator mode choice and ventilator weaning strategies based on blood gas interpretation; 5) State 4 MHTW quality improvement projects aimed at improving outcomes in the ELBW infant; 6) Define Oxygen Radical Disease of Neonatology; 7) Define oxygen free radicals and define 'lung induced neuropathy'; 8) Discuss role of caffeine unrelated to apnea of prematurity; 9) Calculate estimated O₂ delivery using Fanaroff appendices; and 10) Discuss pros and cons of postnatal steroid use.

Evaluation, Attendance and Credit – Within <https://mednax.cloud-cme.com>, click My CE and then select Evaluations and Certificates. Follow the instructions to record attendance/time spent and complete the brief evaluation. You will have the option to email the certificate of attendance to your mailbox.

Contact – Should you have any questions regarding the CE process please contact us at continuing_education@mednax.com