



Center for  
Research, Education, Quality & Safety

1500 Concord Terrace  
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Houston, TX  
August 22, 2019

### Tiny Baby Lecture Series

#### ***Series 3: 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 3.00 *nursing contact hours*. Participants' attendance and participation in the activity is **required** for *nursing contact hours*.

**Disclosures** – Disclosure of Financial Relationships and Resolution of Conflicts of Interest is designed to ensure quality, objective, balanced, and scientifically rigorous continuing education activities. All individuals in a position to influence and/or control the content of continuing education activities have been asked to disclose all relevant financial relationships within the past 12 months. Any real or apparent conflicts of interest related to the content of the faculty's presentation have been resolved as have any real or apparent conflicts of interest by the planners as related to the content of this educational activity. Beyond disclosure of relevant financial relationships, faculty are required to disclose when they plan to discuss pharmaceuticals and/or medical devices that are not approved by the FDA and/or medical or surgical procedures that involve an unapproved or "off-label" use of an approved device or pharmaceutical. The MEDNAX Center for Research, Education, Quality and Safety is committed to providing learners with commercially unbiased continuing education activities.

**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 O<sub>2</sub> 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](mailto:continuing_education@mednax.com).