Bulletin

Neonatology December 2019

Articles

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**Congenital heart disease: issues with screening at the newborn physical examination.**
[Congenital heart disease (CHD) is a significant cause of infant death in the developed world. For this reason, screening for CHD forms part of the newborn physical examination (NPE) that occurs within 72 hours of birth. This article reviews the challenges faced by the examiner in the detection of CHD in the newborn. This includes relevant anatomy and physiology of the newborn circulation and the presentation of heart murmurs. The usefulness of additional screening tools is also discussed.]
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**Neonatal resuscitation: ‘room side to motherside’.**
[Delayed clamping of the neonatal umbilical cord is considered beneficial to the transition to extrauterine life in a term, uncomplicated birth. However, some neonates require resuscitation and the ability to perform this is a fundamental aspect of midwifery practice. The decision to clamp and cut the umbilical cord often precludes any resuscitative attempt, but the reasoning for this action is unclear. This article explores the purpose and place of leaving the umbilical cord intact.]
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**Trends in Outcomes for Neonates Born Very Preterm and Very Low Birth Weight in 11 High-Income Countries**
[Composite outcomes were in-hospital mortality or any of severe neurologic injury, treated retinopathy of prematurity, and bronchopulmonary dysplasia (BPD); and same composite outcome excluding BPD. For composite outcome including BPD, the trend decreased in Canada and Israel but increased in Australia and New Zealand, Japan, Spain, Sweden, and the United Kingdom. For composite outcome excluding BPD, the trend decreased in all countries except Spain, Sweden, Tuscany, and the United Kingdom.]
Freely available online

**Understanding the vulnerability of a baby’s skin to help treat and prevent nappy rash.**
[With an estimated one third of all nappy wearing babies and toddlers experiencing nappy rash at any one time, it is critical that health professionals both understand the causative factors of nappy rash while also having full insight into prevention and management of this common complaint.]
Nappy rash can range in severity from mild to severe and can cause great discomfort and distress. 

What are the effects of care bundles on the incidence of ventilator-associated pneumonia in paediatric and neonatal intensive care units? A systematic review.
[This systematic review determines that ventilator bundles impact positively on the incidence of VAP in critically ill neonates and children in the neonatal intensive care unit and paediatric intensive care unit. However, the variations in the bundle elements and insufficient valid evidence necessitates further research in the area to validate the findings and to ensure standardisation of clinical practice.]

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Reports
The following report(s) may be of interest:

No link found between caesarean section and obesity in boys.
NHS Behind the Headlines; 2019. 
[The recent rise in the number of babies being born by caesarean section has been linked to the rise in childhood obesity. Previously, scientists have suggested that babies born by caesarean section might have missed out on exposure to beneficial bacteria from a vaginal birth, which might have made them more likely to grow up overweight. However, this latest study suggests that may not be true. ]
Freely available online

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