Perinatal Team Working to Implement Delayed Cord Clamping for Preterm Infants Delivered by Caesarean Section

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Advantages of Delayed Cord Clamping

↑ circulating blood volume after birth

Improved cardiovascular stability

↓ need for blood transfusion

↓ intraventricular haemorrhage (all grades) RR 0.59, 95% CI 0.41 to 0.85

↓ risk of necrotising enterocolitis
RR 0.62, 95% CI 0.43 to 0.90

For...“uncompromised preterm infants, a delay in cord clamping of at least one minute”... is recommended

NLS, 2015

Resuscitation Council (UK)

Audit

Audit demographic

- 33 babies were appropriate for audit
- Mean gestation 27\(^{+5}\) (range 23\(^{-}^{+2}\) to 29\(^{+6}\)).
Structured Interview to Obstetricians, Midwives, Neonatologists, Neonatal Nurses

- Attitudes
- Neonatal Concerns
- Obstetric Concerns
- Environmental Challenges

Obstetric Team

- Attitudes

Neonatal Team

- Attitudes
Perinatal Team Working

- Providing good thermal care is vital to prevent mortality and morbidity....

On adjusted analyses, admission temperature was inversely related to mortality (28% increase per 1°C decrease) and late-onset sepsis (11% increase per 1°C decrease)

NeoDrape

The NeoDrape product line offers effective thermoregulation and an essential barrier to protect the newborn patient from the effects of cold stress in Labor & Delivery and NICUs during sterile procedures.

NeoDrape

The NeoDrape is a sterile 24 x 24" wrap used to swaddle the newborn patient during delivery through stabilization to maintain proper thermoregulation while minimizing moisture loss.
- Designed to minimize rapid heat loss from the head
- Sterile packaging allows wrap to be placed in sterile field for immediate use during delivery

SIM Problem Solving
Thermal Care

http://www.inditherm.co.uk/medical/neonatal-resuscitation-lifestart/

Provided babies *can be kept warm*, delay cord clamping for at least 60 s whilst breathing is established.

This approach requires *good communication* and *teamwork*.

Resuscitation, if required remains the priority.
• Providing airway support and lung inflation during the period of delayed cord clamping seems to be important.
Thank you to:

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References


Thank you

Questions
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