

Delayed Cord Clamping for Preterm Infants

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Background

- Maternal and neonatal health safety collaborative (MatNeo)
- 3-year programme designed to improve outcomes and reduce unwarranted variation
- Optimisation and stabilisation of the preterm infant
 - Delayed cord clamping (DCC) in babies <34 weeks
 - Maintain thermal care

Network Data

	Delayed Cord Clamping?				
Unit	Yes	No	Unknown	Total	% DCC
Bradford	74	12	4	90	82%
Leeds	24	45	18	87	28%
Jessop Wing	15	58	16	89	17%

Aim and Approach


Standard of care: DCC 60s for all infants <34w

- Staff education: multiple teams
- Increase accuracy of delivery data collection
- Unit-specific protocol
- Increased parental awareness of DCC advantages

Change Ideas

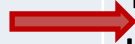
- Teaching sessions:
 - Simulation, face to face
 - Tea trolley and in situ
 - Videos and training days
- Huddles and safety briefings
- Prospective audit
- Qualitative parental views

PDSA

Challenges	Solutions
HR auscultation in theatres/'signs of life'	Sterile auscultation method 
Short cord	Trial longer circuits Lifestart trolley trial
Preparation time	PREM form Preterm Record of Excellent Management Delivery room huddles
Obstetric reluctance as sole DCC practitioners	Move neonatal team into theatres

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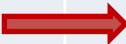


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Initial results

- DCC rates **18%** to **66%** over 6 months
- **100%** of medical team and **80%** of QIS trained
- Positive qualitative parental feedback
- Repeat 6-month audit: **66%** to **71%** despite moving out of theatres (Covid)

Who are we missing?

Challenges	Solutions
Theatre deliveries	Visors for DCC, staff exit with/without patient (Not for GA or confirmed/suspected C19)
Short cord	Lifestart procurement ?use longer neopuff circuits?
Antenatal ward/ quick deliveries	Increase midwifery awareness: YMET/ Hot topics

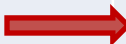
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Data trends

- More babies receiving 60s of DCC
- More babies receiving DCC on labour ward but less in theatre
- More extreme prem babies having DCC but less 30-33/40

Conclusions & Future Directions

- Feasible and achievable
- Prospective audit and thematic analysis is vital
- Continued education

- Lifestart trolley
- ?community teams training