Implementing two-stage consent pathway in neonatal trials

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ABSTRACT

Perinatal trials sometimes require rapid recruitment processes to facilitate inclusion of participants when interventions are time-critical. A two-stage consent pathway has been used in some trials and is supported by national guidance. This pathway includes seeking oral assent for participation during the time-critical period followed by informed written consent later. This approach is being used in the fluids exclusively enteral from day one (FEED1) trial where participants need to be randomised within 3 hours of birth. There is some apprehension about approaching parents for participation via the oral assent pathway. The main reasons for this are consistent with previous research: lack of a written record, lack of standardised information and unfamiliarity with the process. Here, we describe how the pathway has been implemented in the FEED1 trial and the steps the trial team have taken to support sites. We provide recommendations for future trials to consider if they are considering implementing a similar pathway. Trial registration number: ISRCTN89654042.

BACKGROUND

Informed consent of participants is a prerequisite for ethical conduct of a clinical trial. In neonatal trials, usually the parents provide consent on behalf of the infant. Studies show most parents believe they ought to make the decision about whether their child participates in research. Many neonatal trials require time-critical consent, for example, when randomisation is required soon after birth or during acute illness. Parents may be approached antenatally, provided with information about potential participation and then provide consent if the infant’s eligibility is confirmed after birth. This is not always feasible in trials involving preterm infants because preterm birth can be unpredictable. Obtaining valid, informed consent during emergencies or sensitive periods such as when a woman has just had an unplanned premature delivery can be difficult and cause stress and emotional distress.

A systematic review that evaluated ethical issues in consenting for clinical trials of preterm or sick neonates (49 studies) concluded that none of the methods available at the time was adequate and alternative approaches were required. A two-stage consent pathway was developed, in conjunction with NCT (www.nct.org.uk) and Bliss (www.bliss.org.uk), in a clinical trial comparing timing of umbilical cord clamping in very preterm infants and evaluated qualitatively. This two-stage pathway includes oral assent for randomisation and participation followed by written consent for ongoing use of data. Oral assent was used when there was no opportunity to approach women during the antenatal period, for example, when preterm birth was unpredicted and imminent. This involved obtaining verbal agreement prior to participation and is different to deferred consent, where participants are not approached until after intervention administration as in some emergency medicine trials. The two-stage process aligns with guidance from the UK Health Research Authority that states that the research consent process should be iterative (https://www.hra.nhs.uk/planning-and-improving-research/best-practice/informing-participants-and-seeking-consent/).

Balancing the complex ethical issues of consent with recruitment can be challenging but is crucial to get right. For clinical trial data to be relevant to the neonatal population of interest, it is important that alternative consent pathways are used. Mother and infant dyads who may not have had the opportunity to consent antenatally are then given the opportunity to participate.

The two-stage pathway developed for the Cord Pilot Trial was acceptable to parents and clinicians. Although women approached about trial participation reported receiving less information, most felt it was sufficient for decision-making. Clinicians expressed some concerns about how much information to give and the lack of a consent form as a record of the
Short report

- “You do not have to take part”: It is a choice to participate; parents can decline a non-standard approach to management

- Feeding strategy: That the proposed study involves non-standard management. The variation from standard management is in the domain of feeding baby – whether to feed milk only, or to incrementally introduce milk in combination with intravenous fluids.

- “The computer decides”: In order for it to be a fair test, the computer decides, at random, the feeding strategy

- Research: Having explained the above, this is called “research”

- Documentation: We must still do some paperwork, but can do this later and this is “allowed”

Example oral assent conversation, to be used postnatally:

Your baby is doing well and is ready to have milk. With babies like yours we usually start with a little milk and increase it over a few days. While we increase the milk, we give fluids in the vein to ensure baby has enough fluid.

An alternative is to give all the fluids as milk and fully feed your baby from today. This may help your baby and be more comfortable. We think that as your baby is doing well, it would be safe to give all milk.

For babies like yours, we do not know which of these two approaches is better. We are comparing them – we let the computer decide which way to feed baby, and see which is best. We want to propose that your baby joins our comparison of treatments – is that OK with you?

If baby does join in our comparison of treatments (‘research’), we can sort out all the paperwork in the next few days (the “committee” says that’s OK). If you don’t want baby to join in, that’s fine.

We will always make sure that the wellbeing of your baby is our top priority.

Figure 1 Minimum important information required during an oral assent conversation and example discussion. Created by authors Mitchell and Oddie, permission for reuse granted.

Implementation and training

The consent pathway is discussed during site training including the background, simulations with role-play, interactive discussions and guidance on the minimal information needed for an oral assent conversation. Two co-investigators who were part of the team that developed the pathway lead this. All training materials are freely available via the trial website (www.feed1.ac.uk).

Supporting documents

A short document (online supplemental material 1) describing the background with references to supporting national guidance and details of the ethical approval has been prepared and made freely available to sites via the trial website. The minimum important information to include in an oral assent conversation is given in figure 1 with an example discussion.

Trial webinars

Co-investigators conduct webinars for the sites where assent/consent scenarios are discussed with role-play exercises and exploration of any emerging concerns from the trial recruiters. Webinars are recorded and disseminated to all sites.
Consent scenarios
Several videos of role-play scenarios of oral assent conversations between clinicians and parents were professionally filmed. The parent ‘actor’ was the parent of a preterm infant. These have been distributed to sites and are available on YouTube and the trial website.

Oral assent animation for parents
In response to clinicians reporting that the oral assent pathway was impeded by the lack of standardised information and uncertainty about how much information to include in an oral assent conversation, an ethically approved animation for parents, describing the trial, was developed in collaboration with parent partners. It has been distributed to sites with QR code-cards enabling instant access using any internet-enabled device and is available on the trial website.

Q&A sessions with recruiting sites
The trial team hold monthly meetings with site staff to discuss emerging issues and share experiences. Quarterly clinical discussion forums are also held where, in addition to discussion on other trial issues, the consent process is discussed. Recruiters are given the opportunity to raise barriers and facilitators to approaching parents and conducting oral assent discussions.

ONGOING APPROACH TO TRIAL DELIVERY AND CONDUCT
These processes have been developed during the initial phase of recruitment. The trial team work in an iterative manner, adapting the training material and support provided to sites as per the feedback from the recruiters and parent and public partners. Strategies will be evaluated though site feedback has been positive, particularly with respect to the oral assent animation which has been well received by parents.

RECOMMENDATIONS FOR FUTURE RESEARCH
Previous research has shown that the two-stage consent pathway is acceptable to parents and clinicians. The FEED1 experience demonstrates that sites require support and resources to implement the pathway successfully. A detailed description of the process should be included in the trial protocol and full ethical approval is mandatory. Early engagement with public and parent partners in developing easily accessible study information resources is crucial. Additionally, ‘buy in’ from the clinical teams that will recruit and deliver the trial is needed early. This should be supported with training and ongoing engagement activities. Free and easily accessible training materials and use of multimedia resources helps disseminate training.

Such resources can be adapted for other clinical trials, particularly perinatal-neonatal research. Evaluation of the strategies implemented in FEED1 is planned when recruitment is complete. Understanding clinicians’ and parents’ views and analysis of recruitment data achieved by the different pathways will improve our understanding of using assent/consent pathways to make clinical trials more accessible to all potential participants.

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Collaborators This article is written on behalf of the FEED1 trial collaborative group (in alphabetical order): Josie Anderson (Bliss), Jon Dorling (University Hospital Southampton NHS Foundation Trust), Chris Gale (Imperial College, London), Rachel Haines (University of Nottingham), Mark Johnson (University Hospitals of Southampton NHS Foundation Trust), Charlotte Kenyan (PPI contributor), William McGuire (University of York), Alan Montgomery (University of Nottingham), Eleanor Mitchell (University of Nottingham), Garry Meakin (University of Nottingham), Hema Mistry (University of Warwick), Sam Oddie (Bradford Teaching Hospitals NHS Foundation Trust), Reuben Ogollah (all University of Nottingham), Phoebe Pallotti (all University of Nottingham), Christopher Partlett (all University of Nottingham), Shabina Sadiq (all University of Nottingham), Shalini Ojha (University of Nottingham and University Hospitals of Derby and Burton NHS Foundation Trust), Kate Walker (all University of Nottingham).

Contributors EM is a co-investigator on the FEED1 trial, has co-led activities to support clinicians in the use of the two-stage consent pathway and wrote the first draft of the manuscript. SJ0 is a clinical co-investigator and has co-led consent pathway support. SD is the Chief Investigator for the FEED1 trial, supported and co-ordinated the parent group and led the funding proposal, CG, MJU and WMGc are all clinical co-investigators who support FEED1 sites. All authors have reviewed the manuscript for important intellectual content and approved the final version.

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