Neonatal inter-hospital transport: Clinical information sharing and condition of neonates transferred to a tertiary hospital in Rwanda (Questionnaire 1)

Dear colleague,

You are invited to participate in this research project by filling out this online questionnaire.
• This is the first of two questionnaires
• It will take you approximately 15 minutes to complete this form.
• By completing this questionnaire, you are giving your consent to participate in this research project

I. ABOUT THIS RESEARCH PROJECT

Title: Neonatal inter-hospital transport: Clinical information sharing and condition of neonates transferred to a tertiary hospital in Rwanda.

Aim: This study aims to identify the core clinical information (CCI) that should be provided to a referral centre when transferring a sick neonate and to determine baseline outcomes of neonates referred to one of four tertiary hospitals in Rwanda.

Methods: This study has two dependent stages.

The first stage will help get a consensus based list of Core Clinical Information items using Delphi technique;
Round 1 - Completed already. Identifying Core Clinical Information from other hospitals around the world.
Round 2 - This questionnaire. You will be presented with information Round 1 and asked to comment
Round 3 - We will give you feedback from Round 2 and ask you to score items.

The research is most valid if you complete both rounds and we will send the second questionnaire in 2-3 weeks and will be developed using the responses from this round.

The second stage is a cross-sectional, longitudinal part that will help compare the existing referral forms contents with the already designed CCI list (result of stage 1) and gather neonate's demographic and clinical information at the receiving hospital at arrival (using a paper based questionnaire) and key outcomes during the first 7 days of admission. You will not be asked to participate in this stage of the study.

Risks: The methods used involve minimal risk.

Potential benefits: This study will help have a standard CCI list to improve communication

for referred sick neonates in Rwanda

Confidentiality: All information will be kept confidential and only the initials of your names and the year of birth will be required from you to help us with statistics.

Right to Refuse or Withdraw: The decision to participate in this study is entirely up to you. You may refuse to take part in the study at any time without affecting your relationship with the investigators of this study.

II.CONTACT INFORMATION
If any question related to this research project, feel free to contact any of these persons:

1. Dr Oscar Mwizerwa (Pediatric Resident, Principal Investigator): (+250)783 333 438, Email : mosenga2000@gmail.com
2. Dr Christian Umuhoza (Pediatrician, Supervisor) : (+250)788 753 718, Email : crissumuh@yahoo.fr
3. Dr. Peter Cartledge (Pediatrician, Supervisor) : (+250)738 555 550, Email: peterthomascartledge@googlemail.com
4. Prof Kato J Njunwa (Chair-person of IRB committee), (+250)788490522
5. Prof. Jean Bosco Gahutu (Vice-Chair of IRB committee), (+250)783340040, Email:jbgahutu@yahoo.com

* Required

1. I have read this information sheet and give my consent to participate in this study *

Mark only one oval.

- Yes
- No

About you

Here you will be asked to provide some information about your current work status:

2. Your initials (this is to help us know which subjects took part in both rounds) *

3. Year of birth (this is to help us know which subjects took part in both rounds) *

4. Level of Expertise *

Mark only one oval.

- ◯ Neonatologist
- ◯ Pediatric subspecialist (non-neonatologist)
- ◯ General Pediatrician
- ◯ Senior Resident (PG3-PG4)
- ◯ General Practitioner
- ◯ Other: _____

5. Your current place of work *

Mark only one oval.

- ◯ Rwanda
- ◯ USA
- ◯ United Kingdom
- ◯ Other: _____

6. Your current PRIMARY place of work? *

Mark only one oval.

- ◯ Tertiary hospital
- ◯ District Hospital
- ◯ Private health clinic (outpatients)
- ◯ Other: _____

7. Your work status *

Mark only one oval.

- ◯ Full time
- ◯ Part time
- ◯ Retired
- ◯ Other: _____

8. In which country have you gained your medical degree (i.e. MD or MBBS)? *

Mark only one oval.

- ◯ Rwanda
- ◯ USA
- ◯ United Kingdom
- ◯ Uganda
- ◯ Burundi
- ◯ Malawi
- ◯ Other: _____

9. Your year of gaining medical degree (I.e. MD or MBBS)? *

_____

10. Do you / did you treat neonates who required transfer? *

Mark only one oval.

- ◯ Yes
- ◯ No

Instructions

We want you imagine that you are either transferring-out or receiving-in a sick neonate who is being transferred between facilities in a resource-limited setting (e.g. Rwanda). Ask yourself, 'what is the "Core Clinical Information" that I would need to care for this neonate in the receiving hospital?'

You will be presented with eight sections:
1. Hospital details
2. Patient Identification
3. Clinical history at referral
4. Maternal medical and antenatal history
5. Labor details
6. Neonatal past medical history
7. Management at the referring hospital
8. Miscellaneous

In Round 1 of this Delphi study we identified 16 Neonatal Referral Forms from around the world. We have therefore combined these to present you with a list of items for each section. For each section please give any ADDITIONAL items which you feel would be essential for you to care for this neonate.

1. Hospital details (Introduction)

Currently the Core Clinical Information contains 10 items within Hospital Details

1. Date/time of referral
2. Pre-transfer communication undertaken (if Yes who and when? or NO)
3. Type of transfer (acute, elective, parental request)
4. Referring Hospital
5. Referring clinician (name, qualification, phone number)
6. Accepting clinician (name, qualification, phone number)
7. Accepting Hospital details (name, Ward, Bed Number)
8. Benefits for transfer
9. Mode of transfer/transport (ambulance, private car, KMC etc)
10. Patient records sent (maternal record, nurse flow sheet, triage sheet, x-ray report, discharge letter, other)

11. Are there any additional Core Clinical Information (CCI) items that you would add to this section? *

2. Patient Identification

Currently the Core Clinical Information contains 9 items within Patient's identification

1. Patient Name
2. Gender (male, female, unknown)
3. Patient hospital number
4. Date-of-birth/Time-of-birth
5. Place of birth (home, private, health centre etc)
6. Birth Weight (kg)
7. Current Weight (kg)
8. Current age (DOL) & Corrected gestational age (CGA)
9. Mode of delivery (SVD, breech, assisted, caesarian; indication + type of anesthesisaetc)

12. Are there any additional Core Clinical Information (CCI) items that you would add to this section? *

3. Clinical history at referral

Currently the Core Clinical Information contains three items within history at referral

1. Reason for transfer (diagnosis)
2. Condition of newborn prior to transfer
3. Condition during the last 24 hrs (bradycardia, apneas, seizures, desat etc)

13. Are there any additional Core Clinical Information (CCI) items that you would add to this section? *

4. Maternal medical and antenatal history

Currently the Core Clinical Information contains 13 items within Maternal history

1. Mother's name
2. Mother's phone number
3. Mother's age/DOB
4. Gravida, Parity
5. Type of pregnancy (single, twin, triplet..)
6. Last Normal Menstrual Period (LMP)
7. Estimated date of delivery by dates (EDD)
8. How many antenatal visits ?
9. Maternal Blood group & Rhesus
10. Maternal HIV Status (if positive: Regimen, Recent viral load & CD4 count)
11. Toxo, Syphilis, HepB&C, Rubella
12. Pathologies during this pregnancy (HTN/TB/DM/Heart …)
13. Treatment during pregnancy (any traditional meds?)

14. Are there any additional Core Clinical Information (CCI) items that you would add to this section? *

5. Labor details

Currently the Core Clinical Information contains 10 items within Labor details

1. Labor onset (time)
2. Labor duration (hrs)
3. Rupture of membrane time
4. Amniotic fluid quality (clear , meconium stained, estimated quantity)
5. Presentation (cephalic, breech, …)
6. Temperature before/during/after labor
7. Fetal Distress
8. Magnesium sulphate given in labor
9. Steroids given (doses and time of last dose)
10. Any other drugs prior/during labor (Antibiotics, Oxytocin,…)

15. Are there any additional Core Clinical Information (CCI) items that you would add to this section? *

6. Neonatal past medical history

Currently the Core Clinical Information contains 18 items within Neonatal antecedents :

1. Gestational age (weeks) by Ultrasound
2. Gestational age (weeks) by LMP
3. APGAR at 1st min , 5th min

Resuscitation at birth

4. No action
5. Stimulation
6. Suctioned
7. Oxygen
8. Mask Ventilation
9. Endotracheal Ventilation
10. Chest compressions

Drugs at birth

11. Vitamin K injection (single dose)
12. Tetracycline eye ointment
13. Surfactant
14. Immunizations
15. Other drugs at birth
16. Allergies

Distress indicators

17.Venous cord pH
18. Arterial cord pH

16. Are there any additional Core Clinical Information (CCI) items that you would add to this section? *

7. Management at the referring hospital

Currently the Core Clinical Information contains 19 items within Neonatal management prior to transfer

AIRWAY and BREATHING
1. Respiratory support (none, low flow oxygen: head box, nasal prongs, HFT, CPAP, VENT (ETT, Depth))
2. Ventilation settings (ETT/size&Depth, PIP/PEEP, Rate, Fio2, InspTime)
3. Blood gases results
4. Oxygen saturations (pre/post ductal)

CIRCULATION/VITALS
5. Heart rate (HR)
6. Blood Pressure (BP)
7. Temperature
8. Fluids given
9. Inotropes
10. Obvious Congenital anomalies

NEUROLOGY
11. Level of consciousness
12. HIE grade (mild, moderate, severe)
13. PAIN/SEDATION drugs

GASTROINTESTINAL TRACT
14. FEEDS (last feed type & amount, NG aspirate in ml)
15. INFECTION (issues related to infection, exposure to Infect)
16. Antibiotics given (name & doses)

17. LABORATORY & IMAGING results (FBC,CRP, Bili, Cultures, X-ray, U/S, CT, U&E, Glycaemia)
18. LINES Placed (NO or YES: Central line, Peripheral line, Intra-osseous)
19. TUBES TYPE (NO or YES: Urinary,Orogastric tube/Nasal gastric tubes, Chest drain, Abdominal drain, size, insertion length/date, insertion site)

17. Are there any additional Core Clinical Information (CCI) items that you would add to this section? *

8. Miscellaneous

Currently the Core Clinical Information contains 9 items within Miscellaneous section :

1. Recommendations given to referring unit
2. Personnel on board during transfer
3. Parents (mother referred or not, or wishes to travel)
4. Caregiver plan (feeding choice)
5. Caregiver aware of the transfer
6. Date of approval/update of form at the bottom
7. Hospital letterhead
8. Outcome at the receiving hospital (TRIPS Score, alive & Died, Died in transit, Died with 24hrs of transfer, Died beyond 24hrs, Alive & counter-referred)
9. Retro-information

18. Are there any additional Core Clinical Information (CCI) items that you would add to this section? *

Finished

Thank you for completing the first round of this research project. Once all the results have been reviewed and combined we will send you the link to the next Round of the study.

Many thanks again for your participation.

This content is neither created nor endorsed by Google.

Google Forms