Survey on Treatments of Neonatal Seizures in the UK

Thank-you for completing this questionnaire on the treatment of neonatal seizures. Ethical approval has been gained from the University of Sheffield. This work forms part of a MSc degree for Lucy Gosling, Medical Student.

All answers will be treated confidentiality, and we will not publish your unit’s name in any reports written.

Name:

What type of unit do you work at?

Which centre do you work in?

1. Do you treat clinical seizures, i.e. where there is no available CFM / aEEG / EEG data to confirm abnormal movements are seizures?
   - Yes
   - No
   - Sometimes

2. Do you treat electrical seizures (i.e. diagnosed on aEEG / CFM / EEG) which do not have any clinical features to see?
   - Yes
   - No
   - Sometimes

3. Do you think electrical seizures are:
   - As important as clinical seizures
   - More important than clinical seizures
   - Less important than clinical seizures
   - I don’t know

4. Do you think seizures themselves cause harm to the brain / development (i.e. not related to apnoea / hypoxia and independent of the underlying cause)?
   - Yes (Go to Q5)
   - No (Go to Q6)
   - I don’t know (Go to Q6)

5. If yes, please explain why (please use back of paper if necessary):

6. Do you routinely use cerebral function monitoring (aEEG) for monitoring neonates at high risk of seizures or those having recurrent seizures?
   - Yes, we use it in all neonates at risk of seizures
   - We use it only in those with HIE
   - No, we don’t use it at all
   - We use it in selected cases only, HIE and non-HIE
   - I don’t know
7. What is your first line anti-epileptic drug (and dose):

8. What other drugs do you use routinely to treat neonatal seizures?

- Phenobarbital
- Levetiracetam (Keppra)
- Lorazepam
- Lignocaine
- Others (please state):

- Phenytoin
- Diazepam
- Midazolam
- Paraldehyde

9. With reference to phenobarbital, do you think it is…

- Very effective at treating seizures
- Not at all effective at treating seizures
- Stops some seizures, but not all

10. Have you tried Levetiracetam for treatment of neonatal seizures?

- Yes (Go to Q11)
- No (Go to Q13)

11. Do you levetiracetam (Keppra) is…

- Very effective at treating seizures
- Not at all effective at treating seizures
- Stops some seizures, but not all

12. Compared to phenobarbital, do you think levetiracetam is:

- Better than phenobarbital
- As good as phenobarbital
- Less good than phenobarbital
- I don’t know

13. What side effects are you worried about / have you seen with levetiracetam in neonates?

14. Do you have a seizure treatment guideline?

- Yes
- No

15. If yes, will you send us a copy of your guideline?

- Yes
- No

16. Would you be willing to agree to an interview about your thoughts on treating neonatal seizures in more detail?

- Yes
- No

If yes to Q15 or Q16, please provide contact phone number or email: