Supplemental Material.

Post-Training Staff Survey Instrument

St Peter's Hospital, Chertsey, UK

NICU Lung Ultrasound Survey

1. What is your level of practice?

- ○ Consultant
- ○ Registrar
- ○ ANNP
- ○ SHO
- ○ Foundation Year Doctor

2. How long have you worked at St Peter's NICU?

- ○ 6 months or less
- ○ 6-12 months
- ○ 1-2 years
- ○ 2-3 years
- ○ >3 years

The following questions are about your experience PRIOR to starting work at St Peter's NICU (if relevant):

3. Prior to starting your placement at St Peter's NICU, how would you score your experience in performing lung ultrasounds?

- ○ 1 (lowest)
- ○ 2

- ○ 3
- ○ 4
- ○ 5 (highest)

4. How often had you performed lung ultrasounds prior to your placement at St Peter's NICU?

- ○ Frequently
- ○ Once or twice
- ○ Never performed

5. In the neonatal unit you have worked in before starting at St Peter's, what is their main investigating tool for respiratory pathologies?

- ○ Chest x-ray
- ○ Lung ultrasound
- ○ Not applicable

6. For diagnosing underlying pathologies such as RDS/TTN, did you support your clinical exam with a chest x-ray?

- ○ Very likely to
- ○ Sometimes
- ○ No, I rely on clinical examination alone

7. What was your confidence level to perform a lung ultrasound prior to your NICU placement?

- ○ Very confident
- ○ Confident
- ○ Somewhat confident
- ○ Not so confident
- ○ Not at all confident

8. What was your confidence level to interpret a lung ultrasound prior to your NICU placement?

- ○ Very confident

- ○ Confident
- ○ Somewhat confident
- ○ Not so confident
- ○ Not at all confident

9. Prior to your placement at St Peter's NICU, did you believe that CXR should be the main investigating tool over lung ultrasound for respiratory distress?

- ○ Strongly agree
- ○ Agree
- ○ Neither agree nor disagree
- ○ Disagree
- ○ Strongly disagree

The following questions are about your experience SINCE starting work at St Peter's NICU:

10. Do you feel PoCUS meetings at the unit benefit your knowledge and understanding?

- ○ Very useful
- ○ Useful
- ○ Somewhat useful
- ○ Not so useful
- ○ Not at all useful

11. Do you feel you were taught and encouraged to do lung ultrasounds during your NICU rotation?

- ○ Yes
- ○ No

12. Have you had teaching on how to interpret lung ultrasounds?

- ○ Yes
- ○ No

13. How confident are you at performing lung ultrasounds?

- ○ Very confident
- ○ Confident
- ○ Somewhat confident
- ○ Not so confident
- ○ Not at all confident

14. How many lung ultrasounds have you performed during this rotation?

- ○ 1-5
- ○ 6-10
- ○ 11-20
- ○ 21-30
- ○ >30

15. How confidently can you interpret RDS on a lung ultrasound, including calculating BRAT score?

- ○ Very confident
- ○ Confident
- ○ Somewhat confident
- ○ Not so confident
- ○ Not at all confident

16. Do you feel confident to start treatment based on your clinical exam and lung ultrasound findings of RDS, without performing an x-ray?

- ○ Confident
- ○ Still want to perform a chest x-ray

17. How confidently can you interpret pneumonia on a lung ultrasound?

- ○ Very confident

○ Confident

○ Somewhat confident

○ Not so confident

○ Not at all confident

18. Do you feel confident to start treatment based on your clinical exam and lung ultrasound findings of pneumonia, without performing an x-ray?

○ Confident

○ Still want to perform a chest x-ray

19. How confidently can you interpret TTN on a lung ultrasound?

○ Very confident

○ Confident

○ Somewhat confident

○ Not so confident

○ Not at all confident

20. Do you feel confident to start treatment based on your clinical exam and lung ultrasound findings of TTN, without performing an x-ray?

○ Confident

○ Still want to perform a chest x-ray

21. How confidently can you interpret a pneumothorax on a lung ultrasound?

○ Very confident

○ Confident

○ Somewhat confident

○ Not so confident

○ Not at all confident

22. Do you feel confident to start treatment based on your clinical exam and lung ultrasound findings of a pneumothorax, without performing an x-ray?

- ○ Confident
- ○ Still want to perform a chest x-ray

23. Compared to other units you have worked in before, does St Peter's NICU use more lung ultrasounds than chest x-rays for lung pathologies?

- ○ Definitely more
- ○ Similar
- ○ Definitely less

24. After your experience at St Peter's NICU, do you believe that lung ultrasounds should be the main investigating tool for lung pathologies?

- ○ Strongly agree
- ○ Agree
- ○ Neither agree nor disagree
- ○ Disagree
- ○ Strongly disagree