



## Survey on current local practices with regard to pain treatment after on-pump cardiac surgery on PICU

### 1. Introduction

Dear participant,

Thank you for participating in this survey regarding center specific pain treatment after cardiac surgery. This questionnaire will aid to develop and optimize the study protocol by collecting information on local procedures and standards. Please answer the questions accurately, since they will have a high impact on the clinical trial and its design.

Some questions may ask for a copy of your treatment protocol. Unfortunately it is not possible to upload these protocols in Monkey Survey. You are kindly requested to send the protocols to [Gerdien Zeilmaker](mailto:Gerdien.Zeilmaker), PhD student Erasmus MC-Sophia Children's Hospital.

In case of any questions please do not hesitate to contact [d.tibboel@erasmusmc.nl](mailto:d.tibboel@erasmusmc.nl) or [g.zeilmaker@erasmusmc.nl](mailto:g.zeilmaker@erasmusmc.nl)

1. Hospital name:

2. Number of beds on PICU:



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### 2. Patient characteristics

Characteristics of patients admitted to the PICU after on-pump cardiac surgery

3. Number of patients annually admitted after on-pump cardiac surgery on PICU:

4. Average number of days at PICU:

Statistics from Dutch Academic Centers will be registered according to the Dutch congenital database. This concerns the number of procedures per age category and the type of procedures performed.

If you represent a non-Dutch Hospital, please fill out the following question.

5. Number of procedures performed per age category:

Total number of procedures

Age < 30 days

Age 1 month until 1 year

Age 1 year until 18 years



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### 3. Anesthesiology treatment algorithms

#### Anesthesiology treatment algorithms during surgical procedure

6. Is there a standardized anesthesiology protocol for pediatric cardiac surgery?

If yes, please send a copy.

No

Yes

7. Are patients being given a loading dose of analgesic drugs before leaving the OR?

No

Yes

If yes, please specify medication used

8. What concomitant drugs (and dosage) are most frequently administered for analgesia and sedation during surgery?



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#### 4. PICU treatment algorithms

##### Treatment algorithms on PICU

9. What drugs are used for pain treatment after cardiac surgery on your PICU for neonates (< 37 weeks GA - 27 days postpartum)?

Please specify drug, dose bolus, dose continuous infusion, route of administration.

10. What drugs are used for pain treatment after cardiac surgery on your PICU for children aged 28 days until 2 years?

Please specify drug, dose bolus, dose continuous infusion, route of administration.

11. What drugs are used for pain treatment after cardiac surgery on you PICU for children aged 2 until 11 years?

Please specify drug, dose bolus, dose continuous infusion, route of administration.

12. What drugs are used for pain treatment after cardiac surgery on your PICU for children aged 12 untill 18 years?

Please specify drug, dose bolus, dose continuous infusion, route of admission.

13. Is there a standardized protocol regarding use of analgesic agents after cardiac surgery on your PICU?

If yes, please send a copy.

No

Yes

14. What concomitant drugs (and dosage) are most frequently administered with pain treatment on your PICU?

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15. Do you routinely use a sedative agent with your pain treatment?

No

Yes

16. Which combinations and dosages of sedative and analgesic drugs do you use as standard?

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17. What are the current standards of care with regard to sedation assessment on your PICU?

Please specify the person in charge and the sequence of evaluation.

None

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COMFORT

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COMFORT-B

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NISS

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PedSed

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Others, (please specify)

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18. What are the current standards of care with regard to pain assessment on your PICU?

Please specify person in charge and sequence of evaluation.

None	<input type="text"/>
NRS	<input type="text"/>
INRS	<input type="text"/>
VASobs	<input type="text"/>
Others, (please specify)	<input type="text"/>

19. What are your current standards of care with regards to withdrawal assessment on your PICU?

Please specify person in charge and sequence of evaluation.

None	<input type="text"/>
WAT-1	<input type="text"/>
SOS	<input type="text"/>
Others, (please specify)	<input type="text"/>

20. If you do not use standardized scores for sedation/pain/withdrawal assessment, please specify in detail how changes in drug therapy are guided:

21. Which person is in charge of the assessment?

22. What is the sequence of evaluation?