

## Survey of flushing practice for long-term central venous access devices (CVADs)

Name of Trust:

Department / Speciality:

All information will be treated confidentially. No trust names will appear in any report of publication resulting from this survey.

Please complete part A and/or B and C as applicable.

### A. For adult patients with a long-term central venous access device (CVAD) *in situ*

1. How often do you routinely flush **non-valved**, long-term, skin-tunnelled, cuffed central venous catheters (CVCs) (excludes short-term, non-tunnelled, uncuffed CVCs, and haemodialysis/apheresis CVCs)? (Please tick)

Daily

Twice weekly

Weekly

Other (please state) \_\_\_\_\_

2. What solution do you use to routinely flush **non-valved**, long-term, skin-tunnelled, cuffed CVCs (excludes short-term, non-tunnelled, uncuffed CVCs, and haemodialysis/apheresis CVCs)? (Please tick)

Sodium chloride 0.9%

Heparinised saline 10 units per ml

Heparinised saline 100 units per ml

Other (please state) \_\_\_\_\_

3. How many mls of the solution identified in question 2 do you use?

\_\_\_\_\_ mls

4. How often do you routinely flush **non-valved**, peripherally inserted CVCs (excludes midline catheters)? (Please tick)

Daily

Twice weekly

Weekly

Other (please state) \_\_\_\_\_

5. What solution do you use to routinely flush **non-valved**, peripherally inserted CVCs (excludes midline catheters)? (Please tick)

Sodium chloride 0.9%

Heparinised saline 10 units per ml

Heparinised saline 100 units per ml

Other (please state) \_\_\_\_\_

6. How many mls of the solution identified in question 5 do you use?

\_\_\_\_\_ mls

7. How often do you routinely flush **non-valved**, implanted ports? (Please tick)

Weekly

Monthly

Other (please state) \_\_\_\_\_

8. What solution do you use to routinely flush **non-valved**, implanted ports? (Please tick)

Sodium chloride 0.9%

Heparinised saline 10 units per ml

Heparinised saline 100 units per ml

Other (please state) \_\_\_\_\_

9. How many mls of the solution identified in question 8 do you use?

\_\_\_\_\_ mls

10. How often do you routinely flush **valved**, long-term, skin-tunnelled, cuffed CVCs (excludes short-term, non-tunnelled, uncuffed CVCs, and haemodialysis/apheresis CVCs)? (Please tick)

Daily

Twice weekly

Weekly

Other (please state) \_\_\_\_\_

11. What solution do you use to routinely flush **valved**, long-term, skin-tunnelled, cuffed CVCs (excludes short-term, non-tunnelled, uncuffed CVCs, and haemodialysis/apheresis CVCs)? (Please tick)

Sodium chloride 0.9%

Heparinised saline 10 units per ml

Heparinised saline 100 units per ml

Other (please state) \_\_\_\_\_

12. How many mls of the solution identified in question 11 do you use?

\_\_\_\_\_ mls

13. How often do you routinely flush **valved**, peripherally inserted CVCs (excludes midline catheters)? (Please tick)

Daily

Twice weekly

Weekly

Other (please state) \_\_\_\_\_

14. What solution do you use to routinely flush **valved**, peripherally inserted CVCs (excludes midline catheters)? (Please tick)

Sodium chloride 0.9%

Heparinised saline 10 units per ml

Heparinised saline 100 units per ml

Other (please state) \_\_\_\_\_

15. How many mls of the solution identified in question 14 do you use?

\_\_\_\_\_ mls

16. How often do you routinely flush **valved**, implanted ports? (Please tick)

Weekly

Monthly

Other (please state) \_\_\_\_\_

17. What solution do you use to routinely flush **valved**, implanted ports? (Please tick)

Sodium chloride 0.9%

Heparinised saline 10 units per ml

Heparinised saline 100 units per ml

Other (please state) \_\_\_\_\_

18. How many mls of the solution identified in question 17 do you use?

\_\_\_\_\_ mls

## B. For paediatric patients with a long-term central venous access device (CVAD) *in situ*

1. How often do you routinely flush **non-valved**, long-term, skin-tunnelled, cuffed central venous catheters (CVCs) (excludes short-term, non-tunnelled, uncuffed CVCs, and haemodialysis/apheresis CVCs)? (Please tick)

Daily

Twice weekly

Weekly

Other (please state) \_\_\_\_\_

2. What solution do you use to routinely flush **non-valved**, long-term, skin-tunnelled, cuffed CVCs (excludes short-term, non-tunnelled, uncuffed CVCs, and haemodialysis/apheresis CVCs)? (Please tick)

Sodium chloride 0.9%

Heparinised saline 10 units per ml

Heparinised saline 100 units per ml

Other (please state) \_\_\_\_\_

3. How many mls of the solution identified in question 2 do you use?

\_\_\_\_\_ mls

4. How often do you routinely flush **non-valved**, peripherally inserted CVCs (excludes midline catheters)? (Please tick)

Daily

Twice weekly

Weekly

Other (please state) \_\_\_\_\_

5. What solution do you use to routinely flush **non-valved**, peripherally inserted CVCs (excludes midline catheters)? (Please tick)

Sodium chloride 0.9%

Heparinised saline 10 units per ml

Heparinised saline 100 units per ml

Other (please state) \_\_\_\_\_

6. How many mls of the solution identified in question 5 do you use?

\_\_\_\_\_ mls

7. How often do you routinely flush **non-valved**, implanted ports? (Please tick)

Weekly

Monthly

Other (please state) \_\_\_\_\_

8. What solution do you use to routinely flush **non-valved**, implanted ports? (Please tick)

Sodium chloride 0.9%

Heparinised saline 10 units per ml

Heparinised saline 100 units per ml

Other (please state) \_\_\_\_\_

9. How many mls of the solution identified in question 8 do you use?

\_\_\_\_\_ mls

10. How often do you routinely flush **valved**, long-term, skin-tunnelled, cuffed CVCs (excludes short-term, non-tunnelled, uncuffed CVCs, and haemodialysis/apheresis CVCs)? (Please tick)

- Daily
- Twice weekly
- Weekly
- Other (please state) \_\_\_\_\_

11. What solution do you use to routinely flush **valved**, long-term, skin-tunnelled, cuffed CVCs (excludes short-term, non-tunnelled, uncuffed CVCs, and haemodialysis/apheresis CVCs)? (Please tick)

- Sodium chloride 0.9%
- Heparinised saline 10 units per ml
- Heparinised saline 100 units per ml
- Other (please state) \_\_\_\_\_

12. How many mls of the solution identified in question 11 do you use?

\_\_\_\_\_ mls

13. How often do you routinely flush **valved**, peripherally inserted CVCs (excludes midline catheters)? (Please tick)

- Daily
- Twice weekly
- Weekly
- Other (please state) \_\_\_\_\_

14. What solution do you use to routinely flush **valved**, peripherally inserted CVCs (excludes midline catheters)? (Please tick)

- Sodium chloride 0.9%
- Heparinised saline 10 units per ml
- Heparinised saline 100 units per ml
- Other (please state) \_\_\_\_\_

15. How many mls of the solution identified in question 14 do you use?

\_\_\_\_\_ mls

16. How often do you routinely flush **valved**, implanted ports? (Please tick)

- Weekly
- Monthly
- Other (please state) \_\_\_\_\_

17. What solution do you use to routinely flush **valved**, implanted ports? (Please tick)

- Sodium chloride 0.9%
- Heparinised saline 10 units per ml
- Heparinised saline 100 units per ml
- Other (please state) \_\_\_\_\_

18. How many mls of the solution identified in question 17 do you use?

\_\_\_\_\_ mls

## C. Additional information

If your Trust has stopped using heparin or is using a reduced strength of heparin to flush long-term CVADs did you collect any data when the change was implemented (e.g. number of occlusions or infections)? (Please tick)

Yes   
No

If yes, would you be willing to share the data or your experience of stopping using heparin / reducing the amount of heparin used?

If yes, please provide contact e-mail address:

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Would you like to receive a copy of a report on the data collection for this survey?  
If yes, please provide contact e-mail address:

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Thank you for taking part in this survey.

### **NIVAS Committee**

Lisa Dougherty (Chair)

Karen Bravery

Jill Kayley

Sheila Inwood

Janice Gabriel

Katie Scales

Please return this survey to:

Karen Bravery

C/O NIVAS Secretariat

Succinct Healthcare Communications

Burton House

Repton Place

White Lion Road

Amersham HP7 9LP

UK

Any questions contact:

[bravek@gosh.nhs.uk](mailto:bravek@gosh.nhs.uk)