

Usability Testing Questionnaire – Anesthesiology –

Demographic information

1. How long have you been using the Alaris Medley IV pumps?
_____ months
2. What is your role within Anesthesia?
___ CRNA
___ staff
___ resident
___ other (please specify) _____
3. On what patient population do you primarily practice? (NA = not applicable)
4. How many different IV pumps have you worked with in your career?

Please rate the following questions using the 9-point scale provided. (NA = not applicable) Please use a black- or blue-ink pen.

5. My experience with the Alaris Medley IV pump leads me to believe that it is reliable....
never 1 2 3 4 5 6 7 8 9 always NA
6. Based on my experience, the operations of the Alaris Medley IV pump are....
undependable 1 2 3 4 5 6 7 8 9 dependable NA
7. Based on my experience with the Alaris Medley IV pump, failures occur....
frequently 1 2 3 4 5 6 7 8 9 seldom NA

OVER

8. Based on my experience with the Alaris Medley IV pump, **error messages** which appear on the screen are....

inconsistent								consistent	
1	2	3	4	5	6	7	8	9	NA

9. Based on my experience with the Alaris Medley IV pump, **error messages** which appear on the screen are....

confusing								clear	
1	2	3	4	5	6	7	8	9	NA

10. Based on my experience with the Alaris Medley IV pump, **error messages** which appear on the screen are....

unhelpful								helpful	
1	2	3	4	5	6	7	8	9	NA

11. Based on my experience with the Alaris Medley IV pump, **alarms** are....

confusing								clear	
1	2	3	4	5	6	7	8	9	NA

12. Based on my experience with the Alaris Medley IV pump, **alarms** are....

annoying								desirable	
1	2	3	4	5	6	7	8	9	NA

Now, please review your responses to questions 5 through 12 and provide new (additional) ratings based on the usability testing (using red ink)?

13. Overall the “new-platen” modules provide safer patient care than the modules I have been working with.

strongly disagree								strongly agree	
1	2	3	4	5	6	7	8	9	NA

When utilizing this document please cite:

1. Carayon, P., Wetterneck, T.B., Hundt, A.S., Rough, S., & Schroeder, M. (2008). Continuous technology implementation in health care: The case of advanced IV infusion pump technology. *In Zink & Klaus (Eds.) Corporate Sustainability as a Challenge for Comprehensive Management.* (pp. 139-151). Springer Press: Dordrecht, The Netherlands.
2. Hundt, A. S., Carayon, P., Wetterneck, T. B., Love, T., Haack, B., Schroeder, M. & Enloe, M. (2005). Evaluating design changes of a smart IV pump. In Tartaglia, Bagnara, Bellandi, & Albolino, (Eds.). Proceedings of the International Healthcare Systems, Ergonomics, and Patient Safety (HEPS) Conference, Florence, Italy. Taylor & Francis: London.