Questionnaire: Pharmacists' and Technicians' Perceptions of Robotic IV Automation (RIVA)

Please ⬭ ONE answer that reflects your <u>PERSONAL OPINION</u> or experience with RIVA.

<u>Demographics (No names Nor ID Badge)</u>

Manager / Senior Pharmacist / Pharmacist I / Pharmacist II / Pharmacist III

How often do you operate RIVA (circle)? Very Frequently • Frequently • Occasionally • Rarely • Very Rarely • Never

Performance

1. In your opinion what is the turnaround of IV drug preparations manually?

Very Low	Below Average	Average	Above Average	Very High
1	2	3	4	5

(1= Very Low and 5 =Very High)

2. In your opinion what is the turnaround of IV drug preparations using RIVA?

Very Low	Below Average	Average	Above Average	Very High
1	2	3	4	5

(1= Very Low and 5 =Very High)

Satisfaction

3. In your opinion the workload of preparing IV medication manually is

Very Demanding	Somewhat Demanding	Neither Demanding nor Undemanding	Somewhat Undemanding	Very Undemanding
1	2	3	4	5

(1 = Very Demanding and 5 = Very Undemanding)

4. In your opinion the workload of preparing IV medication with the RIVA is

Very demanding	Somewhat Demanding	Neither Demanding nor Undemanding	Somewhat Undemanding	Very Undemanding
1	2	3	4	5

(1 = Very Demanding and 5 = Very Undemanding)

Safety

5. With regard to the patient's SAFETY, preparations made with the manual procedure is

Very Unsafe	Somewhat Unsafe	Neither Unsafe nor Safe	Somewhat Safe	Very Safe
1	2	3	4	5

(1 = Very Unsafe and 5 = Very Safe)

6. With regard to the patient's SAFETY, preparations made with RIVA is

Very unsafe	Somewhat Unsafe	Neither Unsafe nor Safe	Somewhat Safe	Very Safe
1	2	3	4	5

(1 = Very Unsafe and 5 = Very Safe)

Technology

7. The workload in the IV room AFTER the introduction of Robotic IV Automation is?

Much lower	Lower	About the Same	Higher	Much Higher
1	2	3	4	5

(1 = Much Lower and 5 =Much Higher)

8. **In your opinion can Robotic IV Automation replace manual preparations of IV medications?**

Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree
1	2	3	4	5

(1= Strongly Disagree and 5 = Strongly Agree)

9. **What is your opinion of the efficiency of RIVA in the preparations of IV medications?**

Very Poor	Poor	Acceptable	Good	Very Good
1	2	3	4	5

(1 = Very Poor and 5 = Very Good)

10. **RIVA DOWNTIME affects the work flow in the IV ROOM?**

Disagree Strongly	Disagree	Undecided	Agree	Strongly Agree
1	2	3	4	5

(1= Disagree Strongly and 5 = Strongly Agree)

11. **How important is the SPEED of the preparations by RIVA?**

Not Important	Slightly Important	Fairly Important	Important	Very Important
1	2	3	4	5

(1 = Not Important and 5 =Very Important)

12. How important are the SAFETY features of Robotic IV automation to you?

Not Important	Slightly Important	Fairly Important	Important	Very Important
1	2	3	4	5

(1 = Not Important and 5 =Very Important)

13. Are you satisfied with the service provided by onsite engineer associated with RIVA?

Very dissatisfied	Dissatisfied	Neither	Satisfied	Very satisfied
1	2	3	4	5

(1 = Very Dissatisfied and 5 = Very Satisfied)

14. RIVA IMPROVES the efficiency of the IV medications preparations in the IV room?

Disagree Strongly	Disagree	Undecided	Agree	Strongly Agree
1	2	3	4	5

(1 = Disagree Strongly and 5 =Strongly Agree)

15. I would recommend RIVA to my professional colleagues working in other institutions

Definitely Not	Probably Not	Probably	Very Probably	Definitely
1	2	3	4	5

(1= Definitely Not and 5 = Definitely)

16. Please rate your OVERALL impression of Robotic IV Automation

Very Poor	Poor	Acceptable	Good	Very Good
1	2	3	4	5

(1= Very Poor and 5 = Very Good)

What are the limitations of Robotic IV Automation? _____

_____

Any other comments regarding the value of Robotic IV Automation_____

_____