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REVIEWER'S REPORT

Manuscript No.: IJAR-55802

Title:

Quality Improvement Project on Impact of a Modified Blood Collection Protocol on Hemolysis Rates and Sample Rejection at Apollo Multispeciality Hospitals, Kolkata

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		Good		
Techn. Quality		Good		
Clarity		Good		
Significance		Good		

Reviewer Name: Dr. Sumathi

Detailed Reviewer's Report

- 1. Hemolysis is the breakdown or destruction of red blood cells (RBCs), causing hemoglobin and other cell contents to be released into the blood plasma. While a normal part of clearing old cells (typically every 120 days), the term usually refers to premature or excessive destruction due to disease, toxins, infections, or mechanical issues, which can lead to hemolytic anemia if not balanced by new RBC production.**
- 2. A modified protocol is an updated or adjusted set of rules, procedures, or guidelines from an original, established plan, commonly seen in clinical trials, education, or technical systems, to adapt to new information, address specific needs, improve outcomes, or overcome unforeseen challenges while maintaining core integrity. These changes can range from minor tweaks (like adjusting a visit schedule) to significant overhauls (like changing treatment doses or eligibility criteria).**
- 3. Sample collection is the crucial process of gathering a representative portion (a "sample") of a substance—like blood, urine, tissue, water,**

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or soil—for analysis, testing, or research, ensuring it's collected correctly to maintain integrity, avoid contamination, and provide accurate results, using specific tools and sterile techniques depending on the type of specimen.

4. It's a critical pre-analytical step in medicine, environmental science, and research, requiring strict adherence to protocols for preparation, collection, labeling, and transport to the lab.
5. Rejection sampling is a popular method for generating random varieties. It's based on the idea that, if you generate a number from some probability distribution and that number turns out to be outside the bounds of distribution, you can just discard it and try until you find one that works.
6. Key words are good with meaningful.
7. Result part is good with pictures.
8. Discussion part can be added more with references.
9. Summary points also be given.
10. References are not sufficient it should be given more with alphabetical order.
11. After those changes good to publish in your journal.