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## REVIEWER'S REPORT

Manuscript No.: IJAR- 50140

Date: 03/02/2025

Title: "The History of Abdominal Surgery: The Evolution of an Essential Branch of Medicine"

### Recommendation:

- ✓ Accept as it is .....
- Accept after minor revision.....
- Accept after major revision .....
- Do not accept (*Reasons below*) .....

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

Reviewer Name: Dr. S. K. Nath

Date: 05/02/2025

### Reviewer's Comment for Publication.

**Strengths:** Well-structured historical analysis, good use of references, technological focus, clear chronological evolution.

**Weaknesses:** Lacks discussion on ethics, needs more quantitative analysis, limited coverage of Eastern contributions, could include visual aids.

### Recommendations for Improvement:

- Expand discussion on global surgical contributions (e.g., China, India).
- Include ethical considerations of early surgeries.
- Add statistics or case studies to support the impact of advancements.
- Use images or diagrams to improve engagement.
- Verify all references to ensure accuracy.

## Reviewer's Comment / Report

### Strengths of the Paper:

**1. Comprehensive Historical Overview:** The paper provides a detailed chronological evolution of abdominal surgery, covering antiquity, the Middle Ages, the 19th century, and the 20th century. It effectively highlights key milestones, such as the Edwin Smith Papyrus, Islamic contributions by Al-Zahrawi, the impact of anesthesia and antiseptics, and the advent of laparoscopic surgery.

**2. Well-Structured and Organized:** The paper follows a logical progression from ancient surgical attempts to modern laparoscopic techniques. Each era is clearly defined, making it easy for readers to follow the historical advancements.

**3. Use of Primary and Secondary Sources:** The study references multiple sources, including historical texts, medical journals, and modern research, providing credibility to the discussion.

## REVIEWER'S REPORT

4. **Technological Emphasis in Modern Surgery:** The discussion on laparotomy, laparoscopy, and robotic-assisted surgery is well-developed, demonstrating how technology has transformed the field. The inclusion of the da Vinci Surgical System and robot-assisted surgery provides a modern perspective on future advancements.

### Areas for Improvement:

1. **Limited Discussion on Ethical and Societal Impacts:** The paper could explore the ethical concerns surrounding early abdominal surgery (e.g., lack of consent, high mortality rates). A discussion on how public perception of surgery evolved over time would strengthen the historical analysis.

2. **More Emphasis on Eastern Medicine Contributions:** The paper covers Islamic medicine but does not discuss Eastern civilizations like China and India, which had significant contributions to surgical techniques (e.g., Sushruta Samhita in India).

3. **Lack of Visual Aids or Diagrams:** The inclusion of illustrations, historical surgical tools, or comparative tables showing success rates before and after anesthesia/antisepsis would enhance readability.

4. **Limited Statistical and Analytical Discussion:** The paper is largely descriptive but lacks quantitative data, such as historical mortality rates, surgical success rates, or case studies that show measurable improvements over time. Comparing pre- and post-anesthesia surgical outcomes with actual data would make the study more impactful.

5. **Minor Formatting and Citation Issues:** Some references (Doe, J.) seem generic or possibly fictitious. Ensure that all sources are properly cited and verified. Headings and subheadings could be formatted more clearly to distinguish key sections, improving readability.