

REVIEWER'S REPORT

Manuscript No.: IJAR-58520

Title: Augmented Reality and Three-Dimensional Technologies in Colorectal Surgery: Current Applications and Future Perspectives. A Narrative Review.

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	Excellent			
Clarity	Excellent			
Significance	Excellent			

Reviewer's ID: Dr. Sumathi

Detailed Reviewer's Report

- Colorectal surgery is a medical specialty focused on the surgical treatment of disorders affecting the lower digestive tract, which includes the colon (large intestine), rectum, anus, and pelvic floor. It is used to treat conditions ranging from colorectal cancer and inflammatory bowel disease (Crohn's disease, ulcerative colitis) to diverticulitis and hemorrhoids.**
- Surgical planning is the careful preparation a medical team does before an operation. It uses patient scans, 3D computer models, and risk checks to map out every step of the procedure safely and accurately.**
- Augmented Reality (AR) overlays digital content—like 3D objects, text, and images—onto the physical world. Unlike virtual reality, which fully immerses you in a simulated environment, AR enhances your actual surroundings, and is widely accessed through smartphones, tablets, or smart glasses.**
- 3D printing, or additive manufacturing, creates physical objects from digital 3D models by depositing or solidifying material layer by layer. It eliminates the waste and design limits of traditional**

REVIEWER'S REPORT

subtractive manufacturing, enabling on-demand customization of complex geometries for prototyping, manufacturing, and hobbyist projects.

5. 3D printing, or additive manufacturing, is a process that creates physical three-dimensional objects from digital designs. Unlike traditional manufacturing that cuts or carves material away, 3D printing builds objects from the bottom up by adding material—like plastic, metal, or resin—layer by very thin layer until the object is complete.
6. Colorectal oncology is a branch of medicine focused on the prevention, diagnosis, and treatment of cancers affecting the colon and rectum. It combines specialists like surgeons, medical oncologists, and radiation oncologists to manage tumors and care for patients.
7. Augmented Reality (AR) is the real-time integration of digital data, graphics, or 3D models into a user's physical environment. Key current applications span across retail try-ons, healthcare surgery overlays, and interactive education.
8. Key words are good.
9. Abstract is impressive.
10. Pictures with significant points are meaningful.
11. Result part for values can be made graphs.
12. Summary points also be added.
13. References should be with alphabetical order.
14. After a small changes good to publish in your journal.