

Laparoscopic surgery: The current scenario

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Smith J. Laparoscopic surgery: the current scenario. J Mic Bio Rep. 2022;5(6):67.

ABSTRACT

A surgical technique known as laparoscopy enables a surgeon to access the belly (tummy) and pelvis from the inside without having to make significant skin incisions. A type of surgery called laparoscopy makes much smaller incisions than you might anticipate. The procedure is named after the laparoscope, a thin instrument with a tiny camera and light on the end. A

surgeon can view what's going on inside you by inserting it through a tiny hole in your body and into a visual monitor. They'd need to create a far bigger opening if they didn't have those tools. The art of mending through surgery is developed over time. The area of surgery had a revolution in the early 1980s, and since then it has continued to expand as a result of several quick changes and advances that are always taking place for the benefit of the patient. Surgery is no longer seen with disdain by patients as a kind of treatment for their illnesses.

Key Words: Laparoscopic surgery

INTRODUCTION

Even for their medical conditions, many today seek surgical therapies. The surgical landscape has been completely altered by laparoscopy and minimal access surgery. A new religion in surgery has emerged as a result of the numerous dos and don'ts being altered. The tools, operating room technology, and other tools used in surgery have advanced dramatically, which has improved the procedures and mode of surgery. Incisional hernias have experienced a complete transformation in the way they are managed laparoscopically, thanks to innovations like IPOM PLUS and component separation procedures. The patient-friendly incisional hernia meshes that are used have advanced significantly. Today, colostomies, which many patients would not be willing to tolerate, are not necessary for the laparoscopic therapy of rectal tumors, especially low rectal tumors. In the laparoscopic procedure, the doctor is more worried about his camera, which could cause him to lose focus on the patient at hand. However, in robotic surgery, the camera is very carefully positioned inside the patient's body beforehand, allowing the surgeon to easily operate the robot with both of his hands. This offers doctors the freedom to perform their duties precisely and carefully. Robotic hands ensure that they go the shortest distance necessary, as opposed to traditional hand operating procedures where even a tiny wave of the hand could have disastrous results. Robotic surgery is a development of laparoscopic surgery and has already made inroads into several surgical specialties with great results. It is impossible to predict what the future of surgery will be.

The use of laparoscopy can aid in the diagnosis of a wide range of

illnesses that manifest inside the abdomen or pelvis. It can also be used to perform surgical procedures, such as the removal of an organ that is damaged or diseased or the removal of a sample of tissue for further investigation (biopsy). Gynecology, research, and treatment of diseases affecting the female reproductive system are where laparoscopy is most frequently employed. The study and treatment of digestive system diseases and disorders are known as gastroenterology. Conditions affecting the urinary system are studied and treated in urology.

Although it would take a lot of time, effort, and money to develop and set up these machines globally, the conventional ways of surgery would unquestionably be supplanted by these new techniques shortly. The fact is, though, that I believe these technologies will be in great demand shortly. Laparoscopic procedures have a plethora of advantages. In the case of standard surgeries, the patient takes a long time to recover and the postoperative pains are excruciating. However, with laparoscopy, the recovery time would be shorter and even the pain would lessen, providing patients with a significant amount of relief, especially those who are seeking a liver transplant or abdominal surgery. Many patients lose money when they visit hospitals. Sometimes this is because of treatments that are provided year after year, other times it is because of mistakes made by the physicians themselves, and other times it is because the patients are deceived and led astray by the doctors to make more money. These problems will be eliminated with the introduction of these new technologies because they are computerized and mechanically operated, which means that accidental errors won't be a part of our future surgeries, not even when the doctor is feeling tired.

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Received: 13-October-2022, Manuscript No. PULJMBR-22-5873; Editor assigned: 15-October-2022, Pre QC No. PULJMBR-22-5873 (PQ); Reviewed: 31-October-2022, QC No. PULJMBR-22-5873 (Q); Revised: 04-November-2022, Manuscript No. PULJMBR-22-5873 (R); Published: 20 November-2022, DOI: 10.37532/puljmb.2022.5(6).67



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