

The role of laparoscopic surgery in inguinal hernia repair.

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Abstract

Inguinal hernia repair is a common surgical procedure, and laparoscopic surgery has emerged as an alternative to traditional open surgery. Laparoscopic surgery has many advantages over open surgery, such as less postoperative pain, earlier return to normal activities, and reduced hospital stay. In this review article, we will discuss the role of laparoscopic surgery in inguinal hernia repair, including its indications, advantages, and potential complications.

Keywords: Laparoscopic surgery, Inguinal hernia.

Introduction

Inguinal hernia is a common medical condition that occurs when a portion of the abdominal contents protrudes through a weak point in the inguinal canal. It can occur in both men and women, and the most common treatment option is surgical repair [1]. The traditional open surgical approach has been the gold standard for many years, but laparoscopic surgery has emerged as an alternative method for inguinal hernia repair.

Indications for laparoscopic surgery

Laparoscopic surgery is indicated in most cases of inguinal hernia repair, especially in patients who are at high risk for complications from open surgery, such as those with recurrent hernias or bilateral inguinal hernias [2]. Laparoscopic surgery is also beneficial in patients with a history of prior abdominal surgery, as the risk of adhesions and bowel injury is reduced [3].

Advantages of laparoscopic surgery

Laparoscopic surgery has many advantages over open surgery. Firstly, it causes less postoperative pain, which translates to fewer pain medications and earlier return to normal activities. Secondly, the hospital stay is reduced, which is beneficial for patients as well as healthcare providers. Thirdly, the incidence of wound infections and other surgical site complications is lower in laparoscopic surgery [4]. Finally, the cosmetic results are superior in laparoscopic surgery, as the incisions are small and hidden in the folds of the skin.

Potential complications

Although laparoscopic surgery has many advantages over open surgery, it is not without potential complications. One of the most significant complications is injury to the abdominal organs, such as the bowel, bladder, or major blood vessels [5]. This complication is rare, but it can be catastrophic if it occurs. Another potential complication is bleeding, which can occur

during the dissection of the hernia sac. Other complications include infection, chronic pain, and hernia recurrence [6].

Conclusion

Laparoscopic surgery has emerged as a viable alternative to traditional open surgery for inguinal hernia repair. It offers many advantages, including less postoperative pain, earlier return to normal activities, reduced hospital stay, lower incidence of wound infections, and superior cosmetic results. However, it is not without potential complications, and patients should be aware of the risks before undergoing this procedure. Overall, laparoscopic surgery is a safe and effective option for most patients with inguinal hernias, and it should be considered as a treatment option in appropriate cases.

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Received: 22-Feb-2023, Manuscript No. AAASR-23-91291; Editor assigned: 24-Feb-2023, PreQC No. AAASR-23-91291(PQ); Reviewed: 10-Mar-2023, QC No. AAASR-23-91291;

Revised: 13-Mar-2023, Manuscript No. AAASR-23-91291(R); Published: 20-Mar-2023, DOI: 10.35841/2591-7765-7.2.139