

Laparoscopy a.k.a. minimally invasive surgery (MIS), keyhole surgery or pinhole surgery scopic Procedur • Operations in the abdomen are performed through small incisions (usually 0.5-1.5cm). The key element is the use of a laparoscope: either a telescopic rod lens system or a digital camera is placed at the end of the laparoscope; combined with a light source to illuminate the operative field. • The abdomen is usually insufflated with carbon dioxide gas to create a working and viewing space. The abdomen is essentially blown up like a balloon (insufflated), elevating the abdominal wall above the internal organs like a dome. The gas used is CO2, which is common to the human body and can be absorbed by tissue and removed by the respiratory system. It is also nonflammable, which is important because electrosurgical devices are commonly used in laparoscopic procedures. Typical tools are cutting, resection, grasping and clamping tools. • All tools fulcrum – and thus have "reverse" control HD tool --



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