Review

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Minimally invasive surgery for gastric cancer

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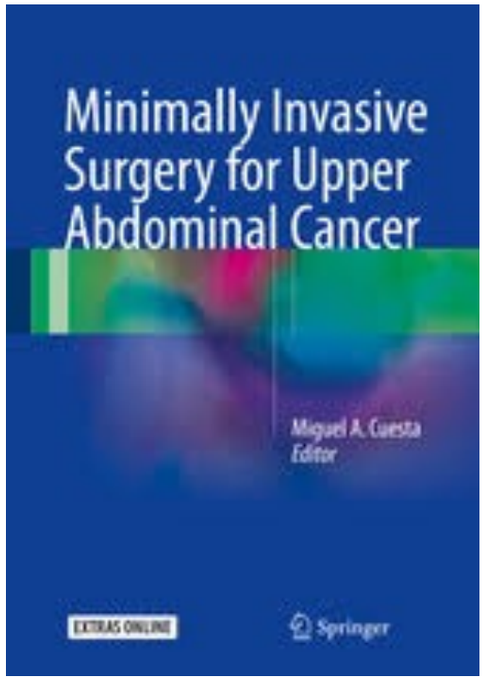
ABSTRACT

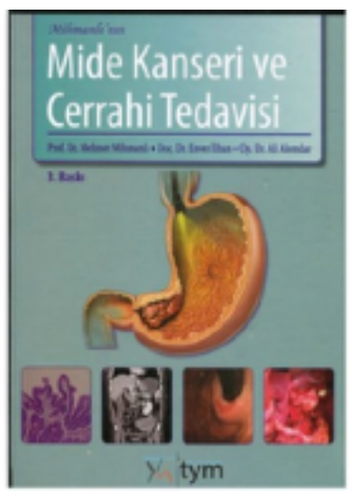
The interest in minimally invasive surgery (MIS) has rapidly increased in recent decades and surgeons have adopted minimally invasive techniques due to its reduced invasiveness and numerous advantages for patients. With increased surgical experience and newly developed surgical instruments, MIS has become the preferred approach not only for benign disease but also for oncologic surgery. Recently, robotic systems have been developed to overcome difficulties of standard laparoscopic instruments during complex procedures. Its advantages including three-dimensional images, tremor filtering, motion scaling, articulated instruments, and stable retraction have created the opportunity to use robotic technology in many procedures including cancer surgery. Gastric cancer is one of the most common causes of cancer-related deaths worldwide. While its overall incidence has decreased worldwide, the proportion of early gastric cancer has increased mainly in eastern countries following mass screening programs. The shift in the paradigm of gastric cancer treatment is toward less invasive approaches in order to improve the patient's quality of life while adhering to oncological principles. In this review, we aimed to summarize the operative strategy and current literature in laparoscopic and robotic surgery for gastric cancer.

Key Words: Gastric cancer, gastrectomy, minimally invasive surgery, laparoscopy, robotics



Minimally Invasive Surgery of Gastric Cancer

Guner, Ali (et al.)



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