

**Is There a Role for Minimally Invasive Surgery in Cervical Cancer Treatment: Carry on, Discard, or Modify? A Literature Review and Case Series Presentation**

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**Abstract**

Oncological surgery is constantly evolving. Recommendations and guidelines are updated periodically in light of new research. Since surgery is a key step in the treatment of cervical cancer in Romania and considering the new findings, this study aims to assess the new guideline recommendations and the surgical treatment options available. The paradigm shift that took place in 2018 left the question: does minimally invasive surgery still play a role in the treatment of cervical cancer? Köhler surgical technique seems to address some of the issues raised by the minimally invasive surgery with good results. Höckel proposes total mesometrial excision to decrease the risk of recurrence. This study presents 3 cases of cervical cancer patients with stages ranging from IB1 to IIIB that had undergone total mesometrial excision and vaginal cuff closure using the laparoscopic approach to minimize the risk of local recurrence. The case series presented showed that it is feasible and safe to merge these techniques. Further prospective studies are needed in order to assess the risk and benefits of these techniques.

**Key words:** minimally invasive surgery, cervical cancer, vaginal cuff closure, total mesometrial excision, robotic surgery