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Letters to the Editor

Total laparoscopic hysterectomy versus abdominal hysterectomy with lymphadenectomy for early-stage endometrial cancer: A prospective randomized study

To the editor,

With great interest we read the article by Malzoni et al. [1] concerning laparoscopic versus open approach in patients with early-stage endometrial cancer. We would like to make a few comments.

It can be concluded from literature that the potential health gain of performing a laparoscopic hysterectomy instead of an abdominal hysterectomy in patients with early stage endometrial cancer is related to morbidity. The gain is expected in lowered major complication rate, shorter hospital stay, less pain and quicker return to activities in daily life. The rate and patterns of recurrence are similar between both procedures in these patients, as reported in several retrospective and prospective studies. Therefore, because morbidity is the most important effect parameter, morbidity rate should be the main outcome parameter in a study concerning laparoscopic versus the open approach. However, Malzoni et al. [1] did not clearly define the outcome parameters of their study.

Because neither formal power-analysis nor a statistical testing was performed regarding the difference in number of complications between both arms, we believe that no definitive conclusion on the safety of laparoscopy as compared to laparotomy can be drawn from this study. Malzoni et al. [1] focus their analysis on survival as main outcome, again however, without a power analysis and statistical testing.

When it comes to survival we believe that this study design is not suitable to draw conclusions about survival as the study has not enough power. The authors knew this already by clarifying: “GOG lap-2 trial enrolled a sufficient high number of patients to determine a prognostic impact of the surgical management on the prognosis of patients with endometrial cancer”. When it comes to morbidity, a multi center randomized trial is currently ongoing in the Netherlands and this study is powered to test a difference in morbidity rate between total laparoscopic hysterectomy and total abdominal hysterectomy in patients with early stage endometrial cancer.

Conflict of interest statement
The authors declare that there are no conflicts of interest.

Reference


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