63.3% of all women with a recurrence reported symptoms. Groin surgery was withheld in 13% of women with presumed stage IB-II.

Poorer RFS and OS was significantly associated with older age (HR 3.44; p<0.001 for RFS; HR 5.03; p<0.001 for OS), withheld groin surgery (withheld versus performed: HR 0.53; p=0.001 for RFS; HR 0.49; p=0.001 for OS) and advanced FIGO stage (HR 2.41; p<0.001 for RFS; HR 2.48; p<0.001 for OS).

Recurrences diagnosed in-between follow-up visitations were significantly larger (30 mm versus 18 mm, p=0.003) but after adjustment for age, type of recurrence and time since treatment not associated with worse survival.

Conclusions This population-based study confirms previous findings of predominantly local recurrences in vulvar cancer. Besides known prognostic factors as age and FIGO-stage, withheld groin surgery was associated with worse RFS and OS.

The value of regular follow-up remains undetermined.

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ENDOMETRIAL CANCER: LAPAROSCOPY VS ROBOTIC SURGERY. A LARGE SINGLE-INSTITUTION RETROSPECTIVE ANALYSIS

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Introduction Minimally invasive surgery (MIS) is the gold standard for endometrial cancer staging. Among MIS approaches, laparoscopy (LPS) and robotic surgery (RS) are the major techniques. The aim of this study is to compare these two approaches in endometrial cancer staging.

Methods In this large single-institution retrospective study we enrolled 1221 consecutive clinical stage I-III endometrial cancer patients undergone MIS surgical staging at the Gynecologic Oncology Unit, Fondazione Policlinico Universitario A. Gemelli IRCCS. We compared 766 patients treated by LPS and 455 by RS, on the basis of perioperative and oncological outcomes (disease free survival, DFS and overall survival, OS). A sub-analysis of the high-risk population was performed in the two cohorts.

Results The two cohorts were homogeneous in terms of perioperative and pathological data. We recorded differences in number of relapse/progression (11.7% in LPS vs 7% in RS, p value = 0.008) and in number of deaths (9.8% in LPS vs 4.8% in RS, p value=0.002). Whereas, in the univariable analysis, the age > 65, grading, the LVSI positivity and the risk group were independent predictors of DFS and OS. In the multivariable analysis the association of the age and grading was significant for DFS and OS. In the sub-analysis, the univariable and the multivariable confirmed the influence of the age in DFS and OS, despite of the MIS approach.

Conclusions/implications In our large retrospective analysis, we confirmed that robotic surgery in superimposable to the standard laparoscopic approach for MIS endometrial cancer staging also for the high-risk population.