

Predictive factors for lymphatic spread in endometrial cancer type I

Y.Kornovski and E. Ismail

Department of Obstetrics and Gynecology Medical University of Varna, Bulgaria

Objective: To establish predictive factors for lymph node metastases (LNM) and the incidence rate of LNM in patients with EC type I.

Materials and methods: Since 2006 until 06. 2012 125 patients with EC type I – 34 G1 (27.2%), 87 G2 (67.2%), 7 G3 (5.6%) were operated on in Gynecological clinic-MHAT, St Anna”-Varna. According to the depth of myometrial invasion 67 patients had less than ½ (53,6%), 24- more than ½ (19,2%) and 34- with tumor limited to the endometrium (27,2%).

Lymph node dissection (LND) – pelvic and/or paraaortic was performed in 82 patients (65,6%), 43 patients were without LND.

The number of dissected lymph nodes ranges from 7 to 20, an average- 11.

Results: LNM were detected in 8 women out of 82– 9,76%; 1 to 3 LNM were detected in 5 patients (62,5%); in 2 patients (25%) were established more than 3 LNM, and in 1 woman – both pelvic and para-aortic LNM (12,5%).

LNM were detected in 5 (8,3%) out of 55 patients with myometrial invasion under ½, and in 3 (13,7%) of 19 patients with invasion more than half of myometrium $p < 0.05$.

Incidence rate of LNM in FIGO stage II was 20% whereas in stage I -8.3%, $p < 0.05$.

The incidence rate of LNM in patients with G1, G2 and G3 was – 0%, 14.3% and 25%, respectively ($p < 0,005$).

Conclusion: FIGO stage, grading and depth of myometrial invasion are predictive factors for LNM in women with endometrial cancer type I.

Key words: lymph node metastases, endometrial cancer type I.

Biography

Y.Kornovski has completed his MD and PhD degree at the Medical University of Bulgaria. He has two specializations as a obstetrics and gynecology specialist and as a gynecologist. He is a head of Gynecological clinic in MHAT”St.Anna-Varna”Bulgaria from 2007. He is working as a assoc prof in the department of OBGY in Medical University of Varna. Assoc.Prof Dr. Y. Kornovski currently completing his major dissertation “Surgical treatment of invasive cervical cancer-contemporary aspects”. He is a member of ESGO (European Society of Gynecological oncology), BAMIGS (Bulgarian Association of Miniinvasive Gynecological Surgery) and BSOG (Bulgarian Society of Obstetrics and Gynecology).

ykornovski@abv.bg