

The role of lymphadenectomy before and after radiotherapy in locally advanced cervical cancer

Y.Kornovski
Medical University of Varna, Bulgaria

Purpose: This study aims to determine the incidence rate and type of lymph node metastases in patients with cervical cancer in stage IB2 and IIB as classified by FIGO before and after radiotherapy.

Methods: Between 2003-2011, 184 patients with cervical cancer in FIGO clinical stage IB2-IIB were operated on at the Clinic of Gynecology MBAL „St. Anna”-Varna. Surgery consisted in radical hysterectomy type III and LEP procedure in majority of cases. Radiotherapy was given either preoperatively 30Gy TGT and postoperatively until 52Gy or postoperatively-52Gy TGT. All patients were distributed into 4 groups depending on whether surgery was the primary treatment or followed the preoperative radiotherapy: group I – 83 patients in stage IB2 with primary surgery; group II – 11 patients in stage IB2 with preoperative radiotherapy and surgery; group III-31 patients in stage IIB with primary surgery; group IV-50 patients in stage IIB with preoperative radiotherapy and surgery.

Results: The incidence rate of lymph node metastases in groups I,II,III and IV was 37,3%, 9%, 38,7%, 22%, respectively. The incidence rate of macrometastases in lymph nodes in groups I,II,III and IV was 20,4%, 9%, 25,8%, 12%, respectively.

Conclusions: Preoperative radiotherapy reduces the incidence rate of lymph node metastases in locally advanced cervical cancer in FIGO stage IB2-IIB.

Key words: cervical cancer, lymph node metastases, radiotherapy.

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