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## Journal of the Medical Association of Thailand, Vol 96, No 3

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### Outcomes of Complete Radical Hysterectomy in Early-Stage Cervical Cancer Patients with Intra-Operative Detection of Nodal Metastases

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#### Abstract

**Objective:** To determine the overall 5-year survival rate and treatment-related complications in stage IB-IIA cervical cancer patients with intra-operative detection of pelvic node metastases who underwent complete radical hysterectomy and systematic lymphadenectomy.

**Material and Method:** The medical records of FIGO stage IB-IIA cervical cancer patients who underwent radical hysterectomy and pelvic lymphadenectomy in Rajavithi Hospital between January 1985 and December 2006 were retrospectively reviewed. Of the 247 node-positive stage IB-IIA cervical cancer patients, 121 patients displayed evidence of intra operative detection and underwent complete radical hysterectomy with systematic lymphadenectomy. These 121 patients were reviewed of which 107 were in stage IB and 14 were in stage IIA. Overall 5-year survival rate and treatment-related complications were investigated.

**Results:** The median follow-up period was 117 months (range 60-312 months). Of the 121 stage IB-IIA cervical cancer patients with intra-operative detection of pelvic node metastases who underwent complete radical hysterectomy and pelvic lymphadenectomy, the overall 5-year survival rate was 70.5%. The major treatment-related complications were intraoperative hemorrhage and post-operative bladder atony which accounted for 43.0% and 10.7%, respectively.

**Conclusion:** Early-stage cervical cancer patients with intra-operative detection of pelvic node metastases who underwent complete radical hysterectomy had favorable survival outcomes and manageable complications.

**Keywords:** Cervical cancer, Radical hysterectomy, Pelvic lymph node metastases, Intra-operative detection, Survival, Complication

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