
Evaluation of possible role of e-cadherin catenin complex as a marker of invasive bladder carcinomas

Adel Hamdy El-Sadawy

Carcinoma of the urinary bladder is second most common malignancy. It has a well defined etiology, natural history, treatment options and outcome. E-cadherin-catenin complex is the prime mediator of intercellular adhesion in epithelial cells. Down regulation of E-cadherin-catenin complex was reported to be directly related to the invasiveness and prognosis of many human epithelial tumor types including bladder cancer. This work aims at detection of the importance of E-cadherin-catenin complex in cases of bladder cancer as regards the invasiveness of the tumor. This study was carried out on forty radical cystectomy specimens in 40 patients with muscle invasive bladder cancer, during the period from April 2000 till December 2003, diagnosed at the pathology department, Tanta Cancer Institute. Rediagnosis of which was pathologically confirmed. For each patient, the following clinical data were recorded: 1-Age. 2-Gender. 3-Clinical stage. 4-Presence or absence of distant metastasis. 5-Survival (living or dead).