

39- Role of acute phase reactant as predictive of response in cancer bladder patients receive platinum based chemotherapy

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Abstract:

Background: Until today, there is no reliable prognostic or predictive parameter for the prognosis of patients with urothelial cancer of the bladder prior to chemo therapy. Recently, serum C-reactive protein (CRP) level has been shown to be associated with prognosis with various malignancies including localized and metastatic renal cell carcinoma, upper urinary tract as well as penile cancer.

Aim: The aim of this study was to assess relation between studied acute phase reactants (CRP and ESR) and response in locally advanced and metastatic bladder cancer receiving platinum based chemotherapy.

Method: This Study include forty six patients, 9 patients locally advanced cancer bladder receive neo adjuvant chemotherapy and 37 patients metastatic bladder cancer receive palliative chemotherapy all patients receive platinum based Chemotherapy.

Results: In our study show significant reduction in the percentage of patients with CRP and ESR after 3&6 cycles of treatment (p value<0.001). We take cut off point of different levels of ESR and CRP .There is no significant difference among different response to treatment and level of ESR and CRP.

Conclusion: acute phase reactants were considered as non -invasive biomarkers of inflammatory response and had significant impact on patients' outcomes in cancer bladder.

Key words: Biomarker, C-reactive protein, Cystectomy, Inflammation, Urinary bladder neoplasms