

Determining the preoperative count of monocyte to be a tumor characteristics mirror and recurrence in endometrial carcinoma cases

Zohreh Kazemi¹, Mitra Modares Gilani², Narges Zamani², Hadis Shahrami³, Akram Ghahghaei-Nezamabadi², Soureh Sheikham²



¹ Iranian Hospital, UAE

² Tehran University of Medical Sciences, Iran

³ Shahid Beheshti University of Medical Sciences, Iran

Abstract

As of late preoperative hematologic boundaries have stood out for their ability to foresee tumor attributes and repeat. Considering the set up job of tumor-related macrophages (TAM) in the tumor microenvironment. We assessed the job of the preoperative monocyte consider a substitute for TAM. Techniques: We reflectively checked on 166 patients with histopathologically demonstrated endometrial malignancies from January 2011 to March 2015 and evaluated any relationship of preoperative monocyte tally with tumor attributes and repeat.

Results: Most of patients had tumors with the accompanying attributes: endometrioid histology (83.1%), poor quality (grade I-II, 71.7%) and stage I infection (68.1%). The mean \pm SD monocyte, neutrophil and platelet tallies were $8.23 \times 10^9/L \pm 3.56 \times 10^9/L$, $64.0 \times 10^9/L \pm 11.3 \times 10^9/L$ and $261.6 \times 10^9/L \pm 74.6 \times 10^9$. Measurably critical affiliations were noted with between preoperative monocyte check and tumor stage (p value=0.044), repeat (p value<0.001) and omentum contribution (p value< 0.001) however not with tumor grade (p value=0.897), profundity of myometrium inclusion (p value=0.479), lymph vascular space attack (p value=0.269) and lymph hub association (p value=0.377).

Conclusion: An elevated preoperative monocyte count is related to more aggressive tumors and a higher recurrence rate in patients with endometrial cancer.

Biography

Zohreh Kazemi is a board certified obstetrics and gynecology, she has fellowship in Gynecologic Oncology. She has worked in Iran as an assistant professor in Teaching Hospitals & private section for 10 years. She has published over 14 scientific papers in prestigious medical & cancer journals.

Publication

- Gilani MM, Kazemi Z, Zamani N, Shahrami H, Ghahghaei-Nezamabadi A, Sheikham S. Preoperative Monocyte Count as a Mirror of Tumor Characteristics and Likelihood of Recurrence in Endometrial Carcinoma Cases. *Asian Pacific journal of cancer prevention: APJCP*. 2018; 19(4):897.
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