

The Relation with Neutrophil-to- Lymphocyte Ratio and Survival in Patients with Laryngeal Squamous Cell Cancer

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March 16, 2023

Abstract

Objectives: To analyze the value of neutrophil-to-lymphocyte ratio (NLR) and anemia on results in patients with laryngeal squamous cell carcinomas (LSCC). **Design and setting:** The patients were categorized into 2 groups as low and high. The relationship between NLR and anemia overall survival (OS), disease-free survival (DFS), and local regional recurrence-free survival (LRRFS) was investigated. **Participants:** LSCC patients included. **Results:** OS and DFS were better in patients in low NLR group. In the multivariate analysis, high NLR was significant indicator of worse OS and DFS. **Conclusions:** NLR is a biomarker in LSCC.

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Keywords Laryngeal squamous cell carcinoma, Neutrophil-to-lymphocyte ratio, Radiotherapy