

## The role and significance of serum SYK and VEGF-C in metastasis of the lymph nodes of pulmonary adenocarcinoma

Lincan DUAN, Yunchao HUANG, Gaofeng LI, Xin LIU, Yong ZHANG

### 摘要

Background and objective Lung cancer has become one of the most dangerous malignant tumor in the world nowadays, whose pathogenesis is complex involving multi-genes and multi-elements. In this study, we try to explore the values of serum SYK and vascular endothelial growth factor-C (VEGF-C) in lymph node metastasis of lung adenocarcinoma. Methods Serum SYK and VEGF were examined in 160 lung adenocarcinoma patients with various metastasis lesions and 40 healthy volunteers by ELISA. Results The serum SYK level of the lung adenocarcinoma patients were remarkably lower than those of normal persons ( $P < 0.05$ ); The SYK level decreased while the lymph nodes area increased along with their metastasis ( $P < 0.05$ ), and the serum VEGF-C level were remarkably higher than those of healthy objects ( $P < 0.05$ ). The VEGF-C level increased with the increase of lymph nodes metastasis ( $P < 0.05$ ). For the serum level of SYK and VEGF-C, there was no statistical difference in sex and age ( $P < 0.05$ ). Negative correlation was found between SYK and VEGF-C ( $r = 0.650$ ,  $P < 0.05$ ). Conclusion The serum level of SYK and VEGF-C are closely related to the lymph nodes metastasis of lung adenocarcinoma. Combination detection of SYK and VEGF-C might be helpful for the predict of lymph nodes metastasis of lung adenocarcinoma.






### 关键词

Syk kinase; Vascular endothelial growth factor c; Lymphatic metastasis; Lung neoplasms; Serum



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## ABOUT THE AUTHORS

Lincan DUAN

Yunchao HUANG

Gaofeng LI

Xin LIU

Yong ZHANG

thoracic  
CANCER

主編  
Qinghua Zhou  
Yan Sun  
[www.thoraciccancer.net](http://www.thoraciccancer.net)

CJLC  
Chinese Journal of Lung Cancer

