

## The prognostic value of detection of serum VEGF-C level and lymphangiogenesis in mediastinal lymph nodes in the patients with lung cancer

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### 摘要

**Background and objective** There is still lack of special prognostic factor on lung cancer, this study will explore the prognostic value of serum VEGF-C level and lymphangiogenesis of primary cancer and mediastinal lymph nodes in the patients with lung cancer. **Methods** Thirty patients with NSCLC would accept operation (new group) and 30 cases followed up three years postoperative (history group) were chosen respectively. The serum VEGF-C level of new group was tested. The VEGF-C and LYVE-1 expression in the mediastinal lymph nodes were put in practice between two groups. The relationship was analyzed for the serum VEGF-C level, VEGF-C and LYVE-1 expression of primary cancer and mediastinal lymph nodes, mediastinal lymph nodes metastasis and the 3-year survival rate of the patients. **Results** ?In new group, the serum VEGF-C level of N2 patients was significantly higher than that of non-N2 patients. ?In new group, the serum VEGF-C level was closely correlated with VEGF-C expression of primary cancer. ?In two groups, the primary cancer and mediastinal metastasis lymph nodes had high VEGF-C expression. ?VEGF-C expression of primary cancer and mediastinal lymph nodes was closely correlated with LYVE-1 expression between the two groups. ?VEGF-C and LYVE-1 expression of N2 patients was significantly higher than that of non-N2 patients between two groups. ?The patients' 3-year-survival rate was closely correlated with VEGF-C expression of primary cancer and mediastinal lymph nodes metastasis. **Conclusion** Serum VEGF-C level has close correlation with VEGF-C expression of primary cancer, lymphangiogenesis of primary cancer/mediastinal lymph nodes, mediastinal lymph nodes metastasis status and patient's survival rate. Serum VEGF-C level is possible to be used as prognostic factor on lung cancer.






### 关键词

Lung neoplasms; Vascular endothelial growth factor C; Lymphangiogenesis; Prognosis



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