



## 晚期非小细胞肺癌GP方案化疗前后网织红细胞与白细胞的变化及临床价值

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### Alternation and Clinical Significance of Reticulocyte and Leucocyte in Advanced NSCLC with Chemotherapy before and after GP Regimen

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- 摘要
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**摘要** 目的了解晚期非小细胞肺癌采用吉西他滨联合顺铂化疗前后网织红细胞与白细胞的变化及临床价值。方法87例晚期非小细胞肺癌患者予GP方案化疗前后采用流式细胞术检测网织红细胞的含量, 采用血液分析仪检测外周血的白细胞变化。结果化疗后第6天、第10天白细胞计数进行性下降, 明显低于化疗前, 第10天明显低于第6天 ( $P < 0.01$ ), 第14天较第10天明显回升 ( $P < 0.01$ ), 但仍低于化疗前水平 ( $P < 0.01$ ); 而网织红细胞计数第6天、第10天较化疗前明显下降 ( $P < 0.01$ ), 第10天较第6天无差异 ( $P > 0.05$ ), 第14天较第10天明显回升 ( $P < 0.01$ ), 恢复至化疗前水平 ( $P > 0.05$ )。结论网织红细胞的变化可作为晚期非小细胞肺癌化疗后骨髓抑制和恢复的较敏感指标, 值得临床推广应用。

**关键词:** 关键词: 非小细胞肺癌 化疗 网织红细胞比率 白细胞

**Abstract:** Objective To investigate the alternation and clinical significance of reticulocyte and leucocyte in advanced non-small-cell lung cancer (NSCLC) before and after chemotherapy with Gemcitabine combining Cisplatin. Methods The reticulocytes were examined by Flow cytometry, and the leucocytes were examined by blood analyzer using the peripheral blood of 87 NSCLC cases in advanced patients before and after chemotherapy by GP regimen. Results On the 6th, 10th day after chemotherapy, leucocytes decreased progressively, lower than pre-chemotherapy significantly. On the 10th day leucocytes were significantly lower than the 6th day ( $P < 0.01$ ), but the 14th day rebounded significantly comparing with the 10th day ( $P < 0.01$ ), but still lower than the pre-chemotherapy level ( $P < 0.01$ ); while reticulocytes on the 6th, 10th day after chemotherapy decreased significantly than pre-chemotherapy ( $P < 0.01$ ), however there was no significant difference between the 10th day than the 6th day ( $P > 0.05$ ), while the 14th day rebounded significantly compared with the 10th day ( $P < 0.01$ ), regaining the pre-chemotherapy level ( $P > 0.05$ ). Conclusion Reticulocyte levels can be used as the more sensitive indicator in bone marrow suppression and restoration in advanced non-small-cell lung cancer after chemotherapy, it deserves for clinical application after further investigations.

**Key words:** Key words: Non-small-cell lung cancer (NSCLC) Chemotherapy Reticulocyte ratio Leucocyte

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