



全身伽玛刀联合DP方案治疗中晚期肺癌的疗效观察

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Clinical Analysis of Whole Body Gamma Knife Combined with DP Regimen for Advanced Non-small Cell Lung Cancer

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- 摘要
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摘要 目的探讨全身伽玛刀联合DP方案同步化疗治疗中晚期非小细胞肺癌的近期疗效观察。方法120例患者均采用全身伽玛刀放疗,总量35~45 Gy,分10~14次完成,每日1次,每周5次;同步行全身化疗,采用DP方案,28天为一周期,每位病人至少完成两周期化疗,伽玛刀治疗结束后3月评价疗效。结果120例患者近期总有效率(CR + PR)为85% (102/120)。急性放射性肺损伤5.83% (7/120),为1~2度;急性放射性食管损伤的发生率4.17% (5 /120),为1~2度;血液毒性主要为白细胞下降,3度发生率为3.33% (4/120),无4度血液毒性发生。随访24月,6、12、24月生存率分别为85.83% (103 /120)、54.17% (65/120)、39.17% (47/120)。结论采用全身伽玛刀联合同步化疗治疗中晚期肺癌,具有较高的临床疗效,不良反应较轻,患者可以耐受。

关键词: 全身伽玛刀 化疗 非小细胞肺癌 临床疗效

Abstract: Objective To observe the short-term curative effects of whole body gamma knife combined with concurrent chemotherapy for treatment of advanced non-small cell lung cancer(NSCLC). Methods All 120 patients were treated with whole body gamma knife combined with concurrent chemotherapy. Radiation was delivered in 10 to 14 fractions with a cumulated marginal dose ranged 35 ~45 Gy. DP project were given with whole body gamma knife, 28d per cycle. At least 2 cycles were delivered. Clinical effects were evaluated 3 months after whole body gamma knife treatment. Results The total efficacy rate was 85.00% (102/120). Acute radiation induced lung injury was 5.83% (7/120) (I ~ II); acute radiation induced esophagus injury was 4.17% (5/120) (I ~ II); bone marrow toxicity 12.50% (III). In the follow up of 24 months, the survival rates at 6, 12 and 24 months were 85.83% (103/120), 54.17% (65/120) and 39.17% (47/120), respectively. Conclusion Whole body gamma knife combined with concurrent chemotherapy is a feasible, safe, and effective method and could be well tolerated in most patients. It is a good treatment for patients with advanced lung cancer and deserves further investigation.

Key words: Whole body gamma knife Concurrent chemotherapy Non-small cell lung cancer Clinical efficacy

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