

Clinical observation of low frequency rotating magnetic field in the treatment of advanced malignant tumor

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Summary

Purpose

To investigate the clinical efficacy and safety of low frequency rotating magnetic field in the treatment of advanced malignant tumors.

Method

A total of 137 patients with advanced malignant tumors were treated with low frequency rotating magnetic field with a rotational speed of 400 r / min and a magnetic field strength of 0.4T. The treatment range included primary lesions, metastatic organs and affected lymph nodes, once every d treatment, Treatment for 30 ~ 50 d, an average of 42 d.

Result

137 patients with advanced malignant tumors were treated with low frequency rotating magnetic field, 28 cases were effective, 54 cases were effective, the clinical treatment benefit rate was 59.9% .The patients before treatment KPS score, QOL score and tumor type and clinical after treatment ($P < 0.05$). The median survival time was 12 months, and the 1, 2, and 3 year survival rates were 47.0%, 11.8% and 3.4% respectively. The results of univariate analysis showed that the median survival time was 12 months, The KPS and QOL scores before treatment and the type of tumor were related to the prognosis of patients treated with low frequency rotating magnetic field ($P < 0.05$). The results of multivariate analysis showed that the QOL score before treatment was affected by the low-frequency rotating magnetic field ($P = 0.037$). During the course of treatment, 11 patients developed fatigue, with slight tear-like or acupuncture-like pain in the lesion area, 6 patients with mild heart rate or mild elevated body temperature, no treatment , The symptoms are self-disappeared, no treatment-related death occurred.

Conclusion

Low frequency rotating magnetic field in the treatment of advanced malignant tumors of the clinical efficiency is higher, better safety, can significantly improve the prognosis of patients.