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鸦胆子油乳联合含铂类一线化疗方案治疗非小细胞肺癌的Meta分析

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中文摘要:目的: 该研究旨在评价鸦胆子油乳(Brucea javanica oil emulsion, BJOE)联合含铂类一线化疗药物治疗非小细胞肺癌(non-small cell lung cancer, NSCLC)的疗效和安全性。方法: 计算机检索Cochrane Library, PubMed, EMBASE, 中国生物医学文献数据库, 中国期刊全文数据库, 中文科技期刊全文数据库, 检索时间截止2011年2月, 纳入有关鸦胆子油乳联合含铂类一线化疗药物治疗NSCLC的随机对照试验(randomized controlled trials, RCTs), 由2名研究员分别独立提取数据和进行文献质量评价, 并用RevMan 5.1.2软件进行Meta分析。结果: 共纳入22篇RCTs, 共计病例数为1 512例。Meta分析结果显示, 与单纯运用含铂类一线化疗方案相比, 联合鸦胆子油乳能明显增加NSCLC患者化疗效果(RR=1.31, 95% CI: 1.18-1.45, P<0.000 01), 提高生活质量(RR=1.78, 95% CI: 1.51-2.09, P<0.000 01), 增强机体免疫力, 降低骨髓抑制(OR=0.37, 95% CI: 0.27-0.51, P<0.000 01)和消化道毒副反应(OR=0.59, 95% CI: 0.44-0.80, P=0.000 7)。结论: 鸦胆子油乳能提高非小细胞肺癌患者的化疗效果, 改善生活质量, 并降低含铂类化疗药物的毒副作用, 值得临床借鉴。

中文关键词: 鸦胆子 非小细胞肺癌 Meta分析

Meta-analysis on treatment of non-small cell lung cancer with brucea javanica oil emulsion in combination with platinum-contained first-line chemotherapy

Abstract: Objective: To study the efficacy and safety of brucea javanica oil emulsion (BJOE) combining platinum-contained first-line chemotherapy in treating non small cell lung cancer (NSCLC). **Method:** Cochrane library, PubMed, EMBASE, VIP, CBM and CNKI were searched through computers. The search was finished in February, 2011. Randomized controlled trials (RCTs) of BJOE combining platinum-contained first-line chemotherapy were included. Two researchers extracted data and assess literature quality separately, and made a meta-analysis by RevMan 5.1.2 software. **Result:** Totally 22 RCTs involving 1 512 patients were included. The Meta-analysis showed that compared with the pure application of platinum-contained first-line chemotherapy, the combination of BJOE and chemotherapy can enhance the near-term curative effect (RR=1.31, 95% CI: 1.18-1.45, P<0.000 01), improve the quality of life (RR=1.78, 95% CI: 1.51-2.09, P<0.000 01) and reduce the suppression of bone marrow (OR=0.37, 95% CI: 0.27-0.51, P<0.000 01) and the gastrointestinal reactions (OR=0.59, 95% CI: 0.44-0.80, P=0.000 7), with an improvement in organism immunity. **Conclusion:** The current evidence indicates that BJOE can enhance the chemotherapeutic effect on NSCLC patients, improve the quality of life and reduce adverse effect of platinum-contained chemotherapeutics and thus it is worth referring in clinic.

keywords: brucea javanica oil emulsion non-small cell lung cancer Meta-analysis

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