

Prevalence and Risk Factors of Economic Toxicity in Gynecologic Malignancies: A Systematic Review

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Abstract : Objective: This study systematically evaluates the incidence and influencing factors of economic toxicity in patients with gynecological malignant tumors. Methods: Literature on economic toxicity of gynecological malignancies were comprehensively searched in Pubmed, The Cochrane Library, Web of Science, Embase, CINAHL, CNKI, Wanfang Database, Chinese Biomedical Literature database and VIP database. The search period is up to February 2024. Stata 17 software was used to conduct a single-group meta-analysis of the incidence of economic toxicity in gynecological malignant tumors, and descriptive analysis was used to analyze the influencing factors. Results: A total of 11 pieces of literature were included, including 6475 patients with gynecological malignant tumors. The results of the meta-analysis showed that the incidence of economic toxicity in gynecological malignant tumors was 40% (95%CI 31%—48%). The influencing factors of economic toxicity in patients with gynecological malignant tumors include social demographic factors, medical insurance-related factors and disease-related factors. Conclusion: The incidence of economic toxicity in patients with gynecological malignant tumors is high, and medical staff should conduct early screening of patients according to relevant influencing factors, personalized assessment of patients' economic status, early prevention work and personalized intervention measures.

Keywords : gynecological malignancy, economic toxicity, the incidence rate, influencing factors, systematic review

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