

ONCODAILY MEDICAL JOURNAL

abstract

Impact of Supportive Care Interventions on Quality of Life in Pediatric Hematologic Disorders: Systematic Review and Meta-analysis

Somayah Alghubaishi

DOI: 10.69690/ODMJ-018-0425-351



SIOP Asia, 2025, Saudi Arabia

abstract



Impact of Supportive Care Interventions on Quality of Life in Pediatric Hematologic Disorders: Systematic Review and Meta-analysis

Author: Somayah Alghubaishi

Affiliation: Armed Forces Hospital - Southern Region,
Saudi Arabia

DOI: [10.69690/ODMJ-018-0425-351](https://doi.org/10.69690/ODMJ-018-0425-351)

Introduction: Supportive care is employed in pediatric hematology. This study explores the impact of supportive care modalities on the Quality of Life in pediatric hematologic disorders.

Methodology: Studies were searched from online databases and selected against predetermined eligibility criteria. A random-effects subgroup meta-analysis was conducted to calculate the standardized mean difference (SMD) at 95% confidence interval. Subgroups were based on physical, emotional, familial/social, and scholarly functionalities.

Results: Six studies met the requirements for inclusion. The meta-analysis reported a significant change in QoL when comparing initial QoL scores to final QoL scores (SMD -1.11 [-1.54, -0.68], $P < 0.00001$).

When compared to a control standard treatment, the impact of these interventions lacks significance (SMD -0.01 [-0.67, 0.65] [$P = 0.97$]). Included studies explored interventions such as group creative art therapy, social support, adapted physical activity, and nurse-led interventions (custom).

Conclusion: Standard hospital care and supportive care interventions have a relatively similar impact on the QoL of children hematologic patients.