

4th International Conference on Pediatrics and Neonatal Care

July 23-24, 2025 | Paris, France



Ali Aldirawi

Central South University

Effect of maternal knowledge of asthma management on quality of life and asthma control among children with asthma: a cross-sectional study

Objective

This study aimed to evaluate the effect of mothers' knowledge about asthma management on quality of life and asthma control among children with asthma in Palestine.

Methods

This cross-sectional study was carried out by mothers of children with asthma in Palestine in four major public hospitals. Mothers of a total of 220 were selected randomly via a computerized system. Data were collected using Pediatric Asthma Quality of Life (PAQLQ), an Asthma Control Test (ACT), and the mothers' Self-Practices and Knowledge (SPK) of asthma management questionnaire. Statistical analysis was performed using SPSS (V25).

Results

A total of 220 mothers of children with asthma were randomly selected and invited to participate but 182 agreed to participate, with a response rate of 83%. The mean age of participant children was 9.7 ± 2.72 years, and the mean age of mothers was 34.5 ± 9.6 years. The mean score of the QoL was $3.91 (SD \pm 1.61)$ out of 7. Most participant children had uncontrolled asthma with a total mean score of $14.13 (SD \pm 5.23)$ on the ACT. The mean score of mothers' SPK level was $2.12 (SD \pm 0.83)$ with a total mean score of 42.13 ± 3.68 out of 68, which indicated a moderate level of knowledge and there was a strong correlation between mothers' SPK and children's QoL.

Conclusions

The investigation showed that mothers of children with asthma had moderate SPK, and the children had uncontrolled asthma with poor QoL. These findings suggest developing educational initiatives to enhance parents' asthma-related knowledge and skills to improve their children's asthma-related quality of life and asthma control.

Keywords: Mother's knowledge; asthma care; asthma control; asthma management; pediatric asthma; quality of life.

Biography

Ali Aldirawi, an Assistant Professor of Nursing. He has completed a PhD in Nursing from Central South University in China. Aldirawi was selected as a Research Fellow on research projects funded by the Ministry of Education in Qatar and Palestine. Aldirawi has worked as an academic lecturer at several universities and has taught many academic courses, such as community health nursing and pediatric health nursing. He has published my research in several high-impact journals and has authored over 10 peer-reviewed SCI papers. Aldirawi has participated in global nursing conferences and has received the award for the best oral presentation.