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Addressing Quality of Life in the Pediatric Department, A Review

Aasala Mohammed Mahdi1, Shrouk Mansour Said Elmrwany2, Amal Diffallah Almaymoni2, Mona Aide Assiry3, Haidar Ibrahim Albattat4, Basma Ahmed Alowiasheer4, Nasser Saleh Nasser Al Qanbar4, Abdulmajeed Abdulaziz Alrajeh5, Alibrahim Thikra Ibrahim4, Aminah Nasser J Alismail4, Amal Hassan Abuallatifah4, Alsalamin Ruqayah Jawad M4, Raghad Saeed Al-Amer7, Noof Ali Khalil Almahsoon8

- 1. Mental Health Hospital, Saudi Arabia.
- 2. King Abdulaziz Hospital, Saudi Arabia.
- 3. Jeddah Ophthalmology Hospital, Saudi Arabia.
- 4. Prince Saud Bin Jalawi Hospital PSBJH, Saudi Arabia.
- 5. King Fahad Hospital In Hofuf, Saudi Arabia.
- 6. Alfadilah PHC, Saudi Arabia.
- 7. Abha Clinic And Emergency Hospital, Saudi Arabia.
- 8. Dental Center, Saudi Arabia.

ABSTRACT

Quality of life (QoL) is a paramount consideration in pediatric healthcare, influencing the well-being of children and their families. This review synthesizes current strategies and interventions aimed at enhancing QoL in pediatric patients. Drawing on multidisciplinary approaches, evidence-based practices, and family-centered care principles, the review explores the measurement tools for pediatric QoL, the role of multidisciplinary collaboration, psychosocial support interventions, pain management strategies, rehabilitation services, and transitions of care. By addressing various dimensions of QoL, healthcare providers can optimize patient outcomes and promote holistic care in pediatric settings.

Key words: Quality of life, intervention, pediatric

Introduction

Improved quality of life (QoL) is a fundamental goal of pediatric healthcare, encompassing physical, emotional, social, and functional well-being. Addressing QoL in the pediatric department requires a comprehensive approach that considers the unique needs of children and their families. This review examines current strategies and interventions aimed at optimizing QoL outcomes in pediatric patients.

Measurement Tools for Pediatric Quality of Life

Validated instruments such as the Pediatric Quality of Life Inventory (PedsQL), Child Health Questionnaire (CHQ), and KIDSCREEN assess various domains of pediatric QoL, providing valuable insights into the impact of illness and treatment on children's lives(Varni et al., 2001),(Ravens-Sieberer et al., 2005). These tools enable

healthcare providers to evaluate QoL outcomes and tailor interventions to meet the specific needs of each child.

Multidisciplinary Collaboration

A multidisciplinary approach involving pediatricians, nurses, psychologists, social workers, and other allied healthcare professionals is essential for addressing the complex needs of pediatric patients (Kuo et al., 2011). Collaborative care models promote comprehensive assessment, treatment planning, and intervention implementation, leading to improved QoL outcomes.

Psychosocial Support and Coping Strategies

Psychosocial support interventions, including individual counseling, group therapy, and creative arts therapy, play a vital role in addressing the emotional and psychological needs of pediatric patients. These interventions help children and adolescents develop adaptive coping strategies, enhance resilience, and improve QoL outcomes .furthermore, severely impair work, school, and daily activities(Bhatia et al., 2016),(Benrud-Larson et al., 2002) and reduce QOL(Pederson & Brook, 2017),(Hutt et al., 2020). Early psychological support is likely to be important in preventing QOL deterioration and associated secondary factors, such as reactive depression, avoidance, and physical deconditioning (Raj et al., 2018).

Pain Management and Symptom Control

Effective pain management and symptom control are essential components of pediatric care. Multimodal approaches to pain management, including pharmacological and non-pharmacological interventions, minimize discomfort and

improve overall well-being in pediatric patients(Lightbody et al., 2023).

Pediatric chronic pain can give rise to significant physical impairments such as sleep disturbance(Lewin & Dahl, 1999), decreased physical activity(Chambliss et al., 2002), and fatigue(Gold et al., 2009), (Rangel et al., 2003). Chronic pain can also lead to emotional and social impairments, including anxiety, depression, and excessive school absence(Bursch et al., 1998) (Goodman & McGrath, 1991)(Gold et al., 2009). Children and adolescents with chronic pain report significantly lower health-related quality of life (HRQOL) (e.g., physical, emotional, social, and school functioning) than healthy children (Varni & Burwinkle, 2006), and children with other chronic illnesses, such as cancer and rheumatologic conditions.

Chronic pain is a complex and challenging condition that requires a multidisciplinary treatment approach, which has prompted investigators to examine functional sets of coping skills in this population. Compas and colleagues(Compas et al., 2006), have established a comprehensive control-based model of coping that assesses voluntary (i.e., problem-solving) and involuntary (i.e., increased heart rate) responses to stress in youth. Involuntary responses to stress consist of automatic reactions that may or may not be under conscious awareness while voluntary responses are within one's control and as such, are amenable to intervention.

Rehabilitation Services and Functional Improvement

Rehabilitation services, such as physical therapy, occupational therapy, and speech therapy, promote functional independence and enhance QoL in pediatric patients with physical or developmental disabilities. Early intervention programs optimize developmental outcomes and improve long-term QoL

Transition of Care

Smooth transitions from pediatric to adult healthcare settings are critical for ensuring continuity of care and promoting QoL in adolescents with chronic conditionsTransition programs, care coordination, and patient education facilitate successful transitions and empower adolescents to manage their health effectively (Antonelli et al., 2009).

Conclusion

Addressing QoL in the pediatric department requires a multifaceted approach that integrates evidence-based practices, multidisciplinary collaboration, and family-centered care principles. By optimizing QoL outcomes, healthcare providers can enhance patient well-being and promote holistic care in pediatric settings.

Authors contribution

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Competing interest

None

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