

Abstract

Background: The bachelor's thesis inquiries into nursing care of pediatric patients with acute lymphoblastic leukemia in Czech Republic.

Objectives: The aim of this qualitative study was to provide summary of essential knowledge from related professional and scientific publications of Czech and foreign origins, ascertain specifics of nursing care provided to pediatric patients with acute lymphoblastic leukemia in Czech healthcare. Furthermore, another goal was to create standard nursing care plans using the Roper, Logan, Tierney model of nursing, and evaluate assets and efficiency in assessing needs of patients using British model of nursing in Czech healthcare.

Methods: This qualitative research includes eight case studies of inpatients from Department of Pediatric Hematology and Oncology, 2nd Faculty of Medicine, Charles University and Motol University Hospital. Data were gathered through content analysis of all participants' medical records, as well as through half-structured interviews with patients and observation. Gathered data were summarized to create case studies. Applied model of nursing was analyzed in relation to nursing practice and was compared to Gordon's functional health patterns and Henderson's model of nursing.

Results: Applied model of nursing provides opportunity for effective assessment of biological needs and proved to be suitable for managing nursing care for younger children in settings of intensive care unit. However, R-L-T nursing model does not provide sufficient options to assess psychosocial and spiritual needs of patients. Most of the respondents comprise of adolescent patients and majority of them were suffering from either depression or anxiety related to their current situation. Conducted comparison of models of nursing led to conclusion that Henderson's model of nursing is the most suitable for its holistic approach to all spheres of pediatric patients' lives.

Conclusion: Usage of Roper, Logan, and Tierney model of nursing in nursing care management provides opportunity for effective assessment of biological needs of patients requiring intensive care. However, in assessing psychosocial and spiritual needs this model of nursing does not provide the means to sufficiently evaluate these needs. Integration of these spheres of life into provided nursing care is according to scientific literature and studies crucial to render holistic nursing care to patients.

Key words

Acute lymphoblastic leukemia; Case study; Child; Hemato-oncology; Nursing care; Roper-Logan-Tierney model of nursing