

Abstract

Aim: The aim of this bachelor's thesis is to analyze and explore the nurses' knowledge of the nursing care of the pediatric patient with an inserted Midline and mini-midline catheter. Through a questionnaire survey to find out the level of nurse's knowledge regarding Midline and mini-midline catheters and their nursing practices. The theoretical section discusses midline venous access and its classifications, specifically Midline, mini-Midline and PICC catheters including their indications, contraindications, insertion procedures, complications and extractions. It also discusses the nursing care of these midline venous accesses. The last section concludes with the PICC team, nurse competencies, and certified courses. **Methods:** The empirical part of the thesis includes data collected through a self-constructed questionnaire survey. The data obtained are presented in sectional diagrams and summary tables. They are then processed using Chi-squared test and then compared with the hypotheses focusing on age, length of experience and completion of specialty education. The questionnaires were distributed in printed form to nurses working in paediatric inpatient wards at the University Hospital in Motol and the University Hospital Lochotín. A total of 100 questionnaires were distributed, of which a total of 70 completed questionnaires were returned. **Results:** Most of the hypotheses were accepted, except for a few questions that indicated better results for respondents younger than 42 years, respondents with less than 19 years of experience and respondents without specialized training. The extent of awareness of nurses according to the accuracy of the test questions varied. **Conclusion:** Overall, I rate nurse's knowledge of Midline and mini-midline catheter care as moderately satisfactory with potential for further improvement.