

Abstract

The bachelor thesis “Role of a nurse in application of a low-molecular-weight heparin” focuses on the topic of application of a low-molecular-weight heparin. The aim of the research was to explore the correct technique of a subcutaneous application of a low-molecular-weight heparin and assess the role of nurses in educating patients about the application. The theoretical section provides a basic overview of the low-molecular-weight heparin and explains the principles of antithrombotic therapy. The research section was implemented using a quantitative research technique, interviews using a structured questionnaire. The survey included 130 respondents working at standard surgical, orthopaedic, internal medicine wards and intensive care unit in the University Hospital Motol. The results showed nursing problems in the technique of application of low-molecular-weight heparin. The same number of respondents report a correct application angle (62 %) and do not massage the injection site (63 %). One third of respondents remove air bubbles from a syringe, only 58 % of respondents keep the skin pinch throughout the application. The survey proved that nurses from standard wards and nurses with a University degree apply the correct technique of a low-molecular-weight heparin application better than nurses from intensive care units and nurses with a high school education. Nurses from standard wards perform patient education more often than nurses from ICU. Results from the investigation confirmed the lack of awareness about the ward standards in 69 % of respondents. For the purpose of raising the quality of nursing care in hospital a nursing care standard was developed based on the results of the survey.