

ABSTRACT

The thesis discusses the education of patients with left ventricular support HeartMate II.

Theoretical part is focused on education and its ethical and legal aspects, on the description of the educational process. Furthermore it focuses on heart supports, especially on left ventricular assist device HeartMate II. To provide a comprehensive overview, I have included also information about the anatomy and physiology of the cardiovascular system and the section on heart failure. I described the specifics of nursing care for patients with implanted HeartMate II system and the educational topics that should be part of the education of these patients.

The empirical part was prepared as a quantitative research, where research sample was 47 respondents. Respondents consisted of nurses who educate patients after implantation of the HeartMate II at the cardiovascular surgical intensive care unit. To create the feedback I complemented a quantitative research with structured interviews with patients after implantation of the HeartMate II. The aim of the research was to determine the status and range of education of patients with left ventricular assist device HeartMate II. This thesis further maps the topics on which is placed the emphasis in education and vice versa topics that would need to focus more on. The aim was also to determine the conditions under which education takes place, which methods and forms are chosen and whether the information provided is understandable for patients.

One of the basic information derived from the results of the empirical investigation is the fact that education is provided on particular care unit and that according to information from nurses patients are educated at least in the range of the most important topics. This was however not confirmed by patients themselves. The greatest emphasis from topics is given to switching the unit to another power source, in contrast the lowest attention is paid by the nurses to the area of food intake and nutrition during treatment with Warfarin. Educational environment is unsatisfactory according to the nurses, patients on the contrary do not see a problem in this. Reasonable amount of time is reserved to the education. Verbal, demonstration, and practical training methods are used for the education in most cases is selected individual form. In the opinion of most respondents is education for patients rather understandable, but there are things about which patients would like to know more, the majority of patients, however, considers education as clearly understandable.

Among one of the recommendations arising from the research belongs to organize training about education of patients after implantation of the HeartMate II for the nurses working at the department. It would also be appropriate, to systematize

the education in some way and accurately identify the competencies of individual employees.

Keywords: education, left ventricular assist device HeartMate II, heart failure, specifics of nursing care for patients with HeartMate II assist device