

## **ABSTRACT**

The thesis is focused on the intra-aortic balloon counterpulsation (IABP) from the perspective of nurses in the cardiac intensive care. It consists of two parts. Theoretical and empirical. The theoretical part will deal with the intra-aortic balloon counterpulsation, including basic anatomy of the heart and blood vessels, the principle of IABC, its indications, contraindications, technology IABC and specific nursing care of patients with established IABC.

The empirical part is treated as quantitative research, which is used for the data collection method anonymous questionnaire. The aim of the thesis is to determine nurses' knowledge of IABC in the cardiac intensive care and subsequent drafting of guidance for postoperative cardiac surgery department KARIM University, Prague. In this section are also included important questions and answers from the perspective of the specified variables obtained from the questionnaire and subsequent actions arising in practice.

### **Key words**

Counterpulsation, Cardiac cycle, Aorta, Heart, Nursing care