

## **Abstract**

The bachelor's thesis deals with acute cardiology, namely with casuistry of a patient after acute myocardial infarction with successful cardiopulmonary resuscitation in the field, artificial pulmonary ventilation and therapeutic hypothermia.

The thesis wants to present the highly specialised and demanding nursing care of resuscitated patients from the nurse's point of view with the use of the most modern procedures and technology.

The theoretical part of the thesis is divided to several chapters describing anatomy and physiology of the cardiac muscle, acute myocardial infarction, cardiopulmonary resuscitation and therapeutic hypothermia. The main focus of this part of the thesis is on the diagnosis of the acute coronary syndrom itself. The theoretical part describes in more detail therapeutic hypothermia and nursing care of patients after cardiopulmonary resuscitation. Very important chapter is also introduction of a patient on whom is concentrated the nursing care in the practical part of the thesis, and presentation of his hospitalization.

The practical part deals with creating, planning and implementation of the nursing care by means of biomedical model and nursing process. The practical and theoretical part alike is divided to several chapters. The main one is focused on nursing anamnesis with creation of diagnosis and their solutions.

The end of the thesis is enriched with thematic and authentic pictures.

**Keywords:** acute myocardial infarction, therapeutic hypothermia, cardiopulmonary resuscitation, biomedical model, nursing, nursing process, intensive care