

Abstrakt v anglickém jazyce

The bachelor thesis describes a case of a young woman who was hospitalized in anesthesiology-resuscitation department and had been treated with the extracorporeal membrane oxygenation. The bachelor thesis is divided into the theoretical part and the practical part.

The theoretical part provides an anatomic-physiological introduction, analyzes the issue of extracorporeal membrane oxygenation (ECMO) its indications and contraindications, and describes pathological conditions that occurred to the young woman during hospitalization.

In the practical part there is a case report of the young woman, her admission history, important milestones of hospitalization in anesthesiology-resuscitation department, main nursing problems that occur in nursing care of patients connected to the extracorporeal membrane oxygenation. The next chapter refers to the patient's long-term care and how to help patients treated with ECMO.

In the discussion I compare the nursing care of patients treated by the ECMO method in the General Teaching Hospital and the University Hospital in Plzeň. I also report the results of ECMO treatment on a global scale.

Key words: shock, septic shock, cardiogenic shock, acute respiratory distress syndrome, cardiomyopathy, extracorporeal membrane oxygenation, acute renal failure