

## **Abstract**

The present thesis focuses on the nursing care of newborns with oxygenotherapy and its specifics. Furthermore, the thesis includes a review analysis of the respondents' knowledge related to oxygenotherapy in newborns.

This thesis consists of two main parts, theoretical and empirical. The theoretical part of the thesis describes the principles of oxygen administration, methods of administration, the most common conditions requiring oxygen therapy and its complications. The basic knowledge in neonatology is often crucial for obtaining this information, which is highlighted in this thesis. Also, basic nursing care of neonates with oxygen therapy is briefly characterized.

The aim of the empirical part of the thesis is to compare the obtained knowledge analysis of the nurses of the selected specialist units, namely the neonatal unit and the delivery room.

The research method of the empirical part of this thesis was a quantitative research survey, focused on the knowledge of paediatric nurses, midwives and nurses of other job classifications working in neonatal wards or delivery rooms. The 21-item questionnaire was designed for this thesis only and was administered anonymously.

The results of the survey showed that the knowledge of paediatric nurses and midwives in caring for neonates with oxygen therapy is richer than that of midwives and nurses of other job classifications. Furthermore, the hypothesis that the respondents were familiar with the Czech Neonatology Society and its recommendations was confirmed.

The conclusion shows that the knowledge of the topic still needs to be deepened and updated.