

# Abstract

The diploma thesis you have just opened deals with the prevention of one of the most common diseases occurring in patients requiring artificial lung ventilation - ventilator-associated pneumonia. The thesis is part of a comprehensive national research project, which was designed to map the incidence, education and prevention of the disease in Czech hospitals. The part of the research that I have developed deals with the area of nursing interventions in the prevention of the disease. It aimed to identify which nursing interventions constitute the most common prevention package in intensive care units. The thesis is divided into a theoretical and a practical part.

In the theoretical part, I first briefly describe the infections that can be encountered in the context of hospitalization. Then I focus on infections that attack the respiratory system, mainly VAP. In the next section I describe the different preventive measures that are used around the world with varying participation. For nursing interventions I have listed the recommended practices for the use of preventive measures with a careful search of the latest trends in global clinical trials.

The practical part reveals the results from the questionnaire survey. It was not surprising to me that the practices of nursing preventive measures are diverse in the Czech Republic. However, we were unpleasantly surprised by the fact that in some cases the interventions are implemented in a very non-standard or even inappropriate way. Therefore, it can be concluded that there is a great room for improvement in the area of VAP prevention in the Czech Republic.