

Abstract

The objective of the bachelor's thesis is to describe the nursing care and its specifics in patients receiving high flow oxygen therapy (HFNO). The theoretical section of the thesis focuses on the general oxygen therapy and explores its application options and usage principles. This section discusses indications and contraindications of the oxygen therapy and its basic types. Specifically, it focuses on the high flow oxygen therapy, including its mechanism or therapeutical advantages and disadvantages. Moreover, it discusses the indications and contraindications of the high flow nasal oxygen treatment (HFNO) and describes the conditions in which patients received oxygen therapy using the high flow nasal oxygen device. The final part of the theoretical section deals with the most prevalent shared symptom, its diagnostics and treatment. The practical section of the thesis presents several case studies, using specific data relevant to each case. As a result, nursing anamneses and nursing diagnoses were formulated. The practical section explores the nursing care for patients on HFNO and the care specifics in patients receiving the high flow nasal oxygen therapy. The assessment of oxygen therapy provided by the AIRVO 2 device revealed that patients experienced lower levels of subjective feelings of dyspnoea and overall improvement of their health. However, the patients expressed dissatisfaction with the impact of the therapy on their mobility and self-care, including negative assessment of the noise caused by the device. The nursing care focuses on saturation monitoring, measuring physiological functions and providing self-care assistance and mental support. The conclusion of the thesis compares and assesses the findings resulting from the case studies.