Abstract 106
Category: Research on nursing diagnosis

TITLE: **Simultaneous concept analysis of the nursing diagnoses, *ineffective airway clearance*, *ineffective breathing pattern*, and *impaired gas exchange***

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Introduction with problem statement:
The nursing diagnoses of *ineffective airway clearance* (IAC - 00031), *ineffective breathing pattern* (IBP - 00032), and *impaired gas exchange* (IGE - 00030) have many similarities in their definitions and components. Simultaneous concept analysis (SCA) allows one to obtain clearer conceptual definitions and helps with understanding individual concepts and the relationship between these and other terms[1]. The aim of this study is to simultaneously analyze the concepts related to these nursing diagnoses.

Methods:
Data were collected by a group of nurses (consensus group) through a literature review in the Lilacs, Pubmed, Cinahl and Scopus databases. The concept analysis was based on the SCA steps, using the Walker and Avant approach and an integrative review.

Results and discussion:
The final list, after concept analysis, included 28, 22 and 21 clinical indicators for IBP, IGE and IAC, respectively. For IBP, the final proposal incorporated 15 indicators identified by the consensus group, and 13 defining characteristics of NANDA-International[2]. For IGE, the indicator, decreased oxygen saturation, was included and, among the characteristics of NANDA-International[2], abnormal arterial blood gases was excluded, and abnormal breathing was subdivided into alterations in respiratory depth, bradypnea, tachypnea, and change in respiratory rhythm. For IAC, only the defining characteristic, wide-eyed, was removed from the final list of clinical indicators, which consisted of eight indicators suggested by the consensus group and 12 defining characteristics.

Impact on the discipline:
These findings may be useful in the differentiation process between IBP, IAC and IGE and in a safer diagnostic inference, contributing to the understanding of these diagnoses.

Keywords:
Nursing, nursing diagnosis, respiratory signs and symptoms.

References:
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2. Herdman, T.H.; Kamitsuru, S. (Eds.). (2017). *NANDA International nursing diagnoses: Definitions & classification, 2018 – 2020*. New York: Thieme.