

Determining nurses challenges with personal protective equipment during COVID19 epidemic

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Abstract

Background and Aim: In the conditions of the Covid-19 pandemic, nurses are praised as the main heroes of the fight against the disease. Among the things that need attention are the facilities they need while caring for the patients of Covid-19. In this regard, this research was conducted with the aim of investigating the challenges and problems of nurses in connection with the use of personal protective equipment during the covid-19 epidemic.

methods: This study is a qualitative study of contractual content analysis type. The research population included nurses caring for patients with covid-19, and a total of 9 people were selected by purposive sampling until data saturation. The data collection method was a qualitative interview that was conducted individually. Each interview was analyzed after the implementation of the text. In this research, the stages and coding paradigm of contractual qualitative content analysis were used for data analysis, and MAXQDA version 20 software was used for data management and organization.

Findings: The findings of the present research from the qualitative part included 943 initial codes, which after reducing the data and merging the overlapping terms were reduced to 40 main codes, 12 subcategories and 4 main categories. These 4 main categories include management challenges, personnel challenges, challenges related to patients, and challenges related to personal protective equipment that nurses faced during the Covid-19 pandemic.

Conclusion: Nurses are facing many challenges and problems during the covid 19 pandemic. Since these people are on the front line of the fight against the pandemic, they always need many equipment and facilities, including quality and standard personal protective equipment. Therefore, special attention should be paid to the working conditions of this group of the medical team during the Covid-19 pandemic, and effective and practical solutions should be provided by the managers to adjust this challenge.

Keywords: Covid-19 disease, personal protective equipment, nurse, qualitative research