

Abstract

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Title: Quality of life in patients hospitalized for severe Covid-19

Background: In 2021-2022, the world faced a challenge of the pandemic of a viral disease named Covid-19, caused by the SARS-CoV2 virus. This disease had a severe course with long-term consequences in many patients. The Covid-19 pandemic has significantly affected and continues to affect the quality of life of the entire population.

Objectives: The main objective of this study is to examine the impact of Covid-19 on the quality of life of patients hospitalized in an ICU, all of that evaluated during hospitalization with a follow-up after six months.

Methods: The chosen method was a survey using the SF-36 questionnaire to evaluate the effect of Covid-19 on quality of life in patients hospitalized in the Covid ICU of the Vinohrady University Hospital, first during hospitalization and then in a follow-up 6 months later.. The questionnaire was filled out by 15 patients, chosen based on availability criteria, included 8 male and 7 female, all aged 20-90.

Results: The results showed the negative impact of the severe course of the Covid-19 disease on almost all aspects of the quality of life. Even 6 months later, a deteriorated quality of life was recorded in social aspects, the dimension of physical functioning, physical limitations, vitality and mental health. Parameters such as length of hospitalization, number of comorbidities and individual diseases also had an effect on some of the dimensions or specific questions of the SF-36 questionnaire. Regarding the relationships of the variables, there was a correlation of BMI with the length of hospitalization and the number of days on oxygen support.

Conclusion: The research confirmed the impact of the Covid-19 disease on the quality of life in almost all its aspects. Today, thanks to the availability of several vaccines, the situation has emerged in many ways. Therefore, it would be beneficial to continue further with the reasearch.

Keywords: Covid-19, pandemic, ADL, physical activity, mobility, SF-36 questionnaire, quality of life