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## TITLE: POST-COVID SYNDROME IN CHILDREN

**Name:** Ravil Makhmutov, Olga Likhobabina, Julia Poshehonova

**Affiliation:** MD, PhD, Associate Professor at Donetsk University

**Country:** Russian Federation

**Email ID:** ravilclassic@yandex.com, ravil@dkt.dn.ua

### ABSTRACT (upto 300 words)

The COVID-19 pandemic has clinical and pathogenetic features, therefore, when diagnosing a post-covid state, children require optimization of strategic approaches for the possible development of complications. We studied the features of the consequences of COVID-19 in children in a pandemic. The study used clinical, laboratory and instrumental data of 326 children (170 (52.66%) girls, 156 (47.34%) boys) 60 days after discharge from the hospital. During the study period, 6.6% of patients required rehospitalization. 18.1% of children complained of worsening or new symptoms. The most common were fatigue (52.8%), joint pain (27.1%), shortness of breath when climbing stairs (22.7%), chest pain (21.4%), cough (15.4%), persistent loss of taste and / or smell (13.1%), while (54.6%) of the examined continued to experience from 3 symptoms. A decrease in the quality of life as assessed by the visual analogue scale was observed in 43.9% of patients. In 21.8% of patients who had a mild form of infection, symptoms persisted in 2/3 of cases, and in 1/3 they felt worse compared to the beginning of the process. Persistent fatigue, psychological distress, anxiety, depression, impaired concentration and sleep were noted by 37.0% of the patient. At 12 months after diagnosis, 23.4% of patients had symptoms (fatigue (20.1%), loss of taste or smell (16.2%), shortness of breath (11.6%), and headache (9.3%)). Thus, dispensary observation is indicated for children who have had COVID-19 infection, since many of them need to optimize strategic approaches to assessing the post-covid state in order to develop models of rehabilitation and prevention of complications.

### BIOGRAPHY (upto 200 words)

Ravil Makhmutov, MD, PhD, Associate Professor department of pediatrics № 2, State educational institution of higher professional education «M. Gorky Donetsk National medical university», Associate Professor, Donetsk, RF. He has over 300 publications, has repeatedly made presentations at international congresses, conferences.

Olga Likhobabina, Candidate of Medical Sciences, Associate Professor department of public health, healthcare, health economics, State educational institution of higher professional education «M. Gorky Donetsk National medical university», Associate Professor, Donetsk, RF.

Julia Poshehonova, Candidate of Medical Sciences, Associate Professor department pediatrics propaedeutics, State educational institution of higher professional education «M. Gorky Donetsk National medical university», Associate Professor, Donetsk, RF.

**Presenter Name:** Ravil Makhmutov.

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**Email ID:** ravilclassic@yandex.com, ravil@dkt.dn.ua



**SCIENTEX CONFERENCES LLC**

1309 Coffeen Avenue STE 1200, Sheridan, WY 82801, United States  
www.scientexconference.com

pediatric.scientexconference.com

pediatrics@scientexevents.com

+1-202-773-8420