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CLINICAL AND LABORATORY MECHANISM FOR PREDICTING POSTCOCCYGEAL DISORDERS IN CHILDREN

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Introduction. The COVID-19 pandemic has affected all age groups, including children, who, despite a mild course of the acute phase, may develop serious post-COVID-19 complications. Studies have documented an increase in cases of protracted COVID-19 in children with autonomic, respiratory, cardiovascular, cognitive and immune disorders. The present study aims to identify clinical and laboratory predictors of post-COVID complications to improve diagnosis, prevention and minimise the long-term consequences of the infection.

Objective of the study. To investigate and evaluate anamnestic, clinical, laboratory and immunological parameters for predicting post-coital disorders in children with SARS-CoV-2 virus infection.

Materials and methods of the study. The study was carried out in accordance with the principles of evidence-based medicine and includes a comprehensive analysis of anamnestic, clinical, laboratory and immunological data of patients who underwent COVID-19. A retrospective and prospective study of 406 children with infections of varying severity, including COVID-19 and acute respiratory viral infections of non-covirus etiology, with follow-up in 4 months was carried out. The study was based on modern methods of examination and analysis, which allowed the author to develop a detailed study plan and to characterise the clinical features of postcovical disorders in children.

Results. Analysis of clinical and laboratory data showed that postinfection complications such as asthenic syndrome, cardiovascular and respiratory disorders were significantly more frequent in children with COVID-19 than in patients with acute respiratory viral infections of non-CoVID aetiology. Children with COVID-19 have marked immunological changes, including decreased levels of T-lymphocytes (CD4+) and increased concentrations of pro-inflammatory cytokines, and key risk factors for post-COVID complications, such as severe disease course and low levels of protective antibodies, have been identified. These findings emphasise the need for early prediction of post-occlusive disorders on the basis of anamnestic and laboratory parameters for timely correction of therapeutic and rehabilitation tactics.

Conclusion. The study confirmed that children who underwent COVID-19 have a high risk of developing postvoid disorders, including asthenic syndrome, dysfunction of cardiovascular and respiratory systems, as well as changes in immune status. The identified clinical, laboratory and immunological markers allow predicting the development of postvoid complications and developing effective rehabilitation strategies.

Literature.

1. Баклаушев, В. П. COVID-19. Этиология, патогенез, диагностика и лечение / В. П. Баклаушев // Клиническая практика. – 2020. – № 11. – С. 7–20.
2. Галстян, Г.М. Коагулопатия при COVID-19 / Г.М. Галстян // Пульмонология. – 2020. – Т.30, №5. – С.645-657.
3. Иванова, И. Е. Особенности новой коронавирусной инфекции у детей / И. Е. Иванова, В. А. Родионов // Здравоохранение Чувашии. – 2020. – № 2. – С. 5 - 9
4. COVID-19 ассоциированный педиатрический мультисистемный воспалительный синдром / Ю. В. Лобзин, А. Н. Усков, Н. В. Скрипченко [и др.] // Медицина экстремальных ситуаций. – 2021. – № 2(23). – С. 13–
5. Мартынов, А. И. Особенности течения LONG-COVID инфекции. Терапевтические и реабилитационные мероприятия. Методические рекомендации / А. И. Мартынов, А. В. Горелов, А. Г. Малявин. – Москва, 2021. – 217 с.

assessment of their severity.