

Bzdega W.

DISTINCT CHARACTERISTICS OF PEDIATRIC INFLAMMATORY MULTISYSTEM SYNDROME (PIMS) IN CHILDREN IN POLAND.

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Background. The rapid worldwide spread of the COVID-19 virus remained one of the most pressing medical problems during the 2020 and 2021 in Poland. A particularly serious complication of SARS-CoV2 infection among paediatric patients is the occurrence of PIMS (Paediatric Inflammatory Multisystem Syndrome).

Aim of the study: We present the results of the register aiming to capture and characterize PIMS with the focus on the severity determinants and most common complications in children. Materials and methods. Retrospective analysis of medical records of 18 patients hospitalized in the Department of Pediatric Infectious Diseases of Medical University of Białystok Diseases between 03.2021 and 09.2021 with a diagnosis of PIMS. Data processing was performed using mathematical statistics methods using GraphPad Prism 8.0.

Results and discussion. The gender structure of the patients included 6 girls and 11 boys. Most common symptoms presented by the patients on admission were: fever, muscle soreness, skin rash, apathy and weakness.

The mean concentration of CRP on admission was 139 mg/L, and the mean concentration of IL-6 was 236 pg/mL (ref. range