

## **Epidemiological, clinical and evolutive aspects in new-borns and infants diagnosed with COVID-19 in a hospital from Romania**

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**Introduction:** Although SARS-COV2 infection is more common in adults, many cases have been reported in newborns and infants.

**Method:** Retrospective study on a group of newborns and infants with SARS-COV2 infection, admitted to “Dr. Victor Babes” Infectious and Tropical Diseases Clinical Hospital, from Bucharest, between 9<sup>th</sup> March 2020 and 9<sup>th</sup> March 2021.

**Results:** Out of the 151 patients, 62% were male. 4 patients were newborns. More than 3 quarters (76%) had contact with a family member diagnosed with COVID19. The most common symptoms were fever in 78.8% cases and digestive manifestations in 44.3% cases. 31.1% associated dry cough and rhinorrhea was present in 13.2% cases. During hospitalization, 11 infants associated skin manifestations (micro-maculo-erythematous rashes), later remitted in the course of the disease.

From a hematological point of view, leucopenia was present in 13.2% cases. Biochemically, hepatocytolysis most common in 78.8% 30.4% of the patient’s associated mild inflammatory syndrome. Radiologically, no lung lesions were detected in 44% of the cases. In the case of the other patients, there were changes such as accentuation of the interstitial pattern (46%), the presence of condensation foci and opacity, being rare.

The median of hospitalization days was 8. The clinical evolution was favorable none of the patients required transfer to the pediatric intensive care unit for intubation and mechanical ventilation.

**Conclusion:** SARS-COV2 infection in newborns and infants may manifest in mild forms with a predominance of digestive manifestations, with a favorable evolution under symptomatic treatment.

### **Biography**

Andreea Florentina Stoenescu, is a resident doctor in 4<sup>th</sup> year, in the specialty of Infectious and Tropical Diseases, in the Clinical Hospital of Infectious and Tropical Diseases “Dr. Victor Babes” from Bucharest, Romania. Her areas of interest include pediatric infectious diseases and also tropical ones.