

Comparison of the frequency of infections in kindergartens June 2019 and June 2020(first month after lockdown)

Eleni Gianni¹, Aggela Notou²

Pediatrician Primary Health Care, Athens, Greece

Pediatric Nurse, Thrasio Hospital, Greece

Abstract

Background and aims: Severe gastrointestinal bleeding is uncommon in the paediatric population, and it is a red flag until proven otherwise. Early initiation of resuscitation and appropriate treatment with an etiopathogenic impact is warranted in a child with significant blood loss.

Aims: *Pseudomonas aeruginosa* septicemia in an immunocompetent child, can present with unexpected sign like upper gastrointestinal bleed, as a sequela of the infection. Evidently, the mortality rate for the sepsis is up to 60%.

Methods: We present the case of a 1 year 9-month-old girl who presented to the Emergency Department for the first time with coffee ground vomitus, diarrhea, melaenic stool and fever. She has 3 prior visits to general practitioner. Shortly after admission, child was intubated in view of drop in her conscious level, sudden onset of squint and expanding right eye subconjunctival hemorrhage.

Results: Child remained critical, became bradycardic, desaturated despite being mechanically ventilated and subsequently went into cardiorespiratory arrest. Early fluid resuscitation, early airway protection, and adequate antibiotic coverage was established. CPR was commenced for 25 minutes with adequate amount of fluids resuscitation and advance life support. Biological: Fulminant hepatitis severe hepatotoxicity, coagulation disorders and inflammatory tests were positive. Unfortunately, the escalation was unfavorable. The blood culture revealed *Pseudomonas Aeruginosa*.

Conclusions:

Severe sepsis is solely a clinical judgement, supported with laboratory findings. Early recognition is ultimately the key to a good prognosis. Despite being immunocompetent and fully vaccinated, she developed a full-blown sepsis complicated with DIVC and eventually arrested. We believed that this occurred due to the germ's extensive metabolic diversity and failure of recognizing the critical sign of sepsis.



Biography:

Dr. Eleni Gianni is a pediatrician In Primary Health Care Staff for four years in Athens. As an active member in primary care she provides specialized pediatric urgent and regular in families in her city.

She received her medical degree from Thraki Democritus University School of Medicine and completed her pediatric residency at Agia Sofia Children Hospital in Athens. During her pediatric training obtained a master's degree in molecular genetics from the Thessalias University School of Medicine. Her special interests include breastfeeding, newborn medicine, infant - toddler medicine, adolescent health care, healthy living medicine and continuous education.

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