

Multiple drugs

S

Lack of efficacy: 2 case reports

In a case series including 26 neonates, who developed multisystem inflammatory syndrome in neonates following an exposure to SARS-CoV-2 antenatally, perinatally or postnatally, a one-day old male neonate and 1-month-old female neonate were described, who exhibited lack of efficacy of epinephrine, meropenam, amikacin, norepinephrine, dobutamine, milrinone, methylprednisolone, immune-globulin or vasopressin while being treated for multisystem inflammatory syndrome [*not all dosages and routes stated*].

The male neonate (case 1) was admitted in a hospital at day 1 of his life (born preterm at 32 weeks of gestation) with respiratory distress, shock (hypotension) and encephalopathy. He was tested positive for SARS CoV 2 serology; positive titre of SARS CoV 2 IgG antibodies and negative for SARS CoV 2 antigen. Based on further examinations, he was diagnosed with multisystem inflammatory syndrome. He was put on ventilator. He received unspecified antibiotics and cardiac support with dobutamine and epinephrine. Within 48 h he succumbed to the disease, consistent with lack of efficacy of the treatment.

The 1-month-old girl (case 5) was admitted in a hospital with respiratory distress, shock and hypoglycaemia. She was tested positive for SARS CoV 2 serology; positive titre of SARS CoV 2 IgG antibodies and negative SARS CoV 2 antigen. RT PCR was tested negative for SARS CoV 2 infection. Based on further examinations, she was diagnosed with multisystem inflammatory syndrome. She required respiratory support. She received following injections; IV meropenem, IV amikacin, norepinephrine [noradrenaline], dobutamine, milrinone, vasopressin, methylprednisolone and IV immune-globulin [immunoglobulin] 2 g/kg/day. Despite the treatment, she died with the disease.

More K, et al. Multisystem inflammatory syndrome in neonates (MIS-N) associated with SARS-CoV2 infection: a case series. *European Journal of Pediatrics* 181: 1883-1898, No. 5, May 2022. Available from: URL: <http://doi.org/10.1007/s00431-022-04377-z> 803671982