

Human Parechovirus Infection in Neonate and Neurological Disorder: A New Disease

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Editorial

There are many new emerging viral diseases that become the new problem in neurology. In neonate, the viral neurological infection is a common problem and the disease caused by the new virus should be specially focused. Of several new diseases, human parechovirus infection is a new disease that can cause neonatal neurological infection. The pathogenic virus is a picovirus that can cause clinical problem including to the neurological infection in neonate [1].

In a recent report from Korea, Seo found that “infection is predominant in young infants (<6 months)” and that meningitis without pleocytosis could be observed in many children [2]. Luo et al. noted that the infection was “associated with CNS infections and sepsis in hospitalized children” and the disease was common in children younger than one year [3]. The disease usually starts with a simple febrile illness and the diagnostic requires specific molecular diagnosis [4].

It is no doubt that the neurological problem due to the viral infection could be observed. In depth, there are many pathological confirmations for the neurological involvement [5]. Structurally, the meninges involvement can be seen. In rare case, fatal

leukoencephalopathy can be observable [5]. As a new disease, the concern of the pediatric neurologist towards this infection might be little. In addition, the availability of the diagnostic test might be limited in many settings. To promote the concern on this disease among practitioner is recommended.

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