Abstract 09

Hematological Manifestations in Parvovirus Infection

Deepak Mulchandani, Ghosha Makwana, Sujata Sharma, Mamta Manglani
Department of Pediatrics, Lokmanya Tilak Municipal Medical College, Sion, Mumbai.

Keywords: Parvovirus infection, anemia, pancytopenia

Abstract:

**Background:** Parvovirus (B19) is one the commonest infection leading to varied hematological manifestations. Incidence is more in patients with underlying hematological disorders, malignancies and HIV. Here we review 14 patients who were diagnosed with parvovirus infection based on clinical suspicion and confirmed by serology.

**Aims:** To study various hematological manifestations in parvovirus infected patients. To correlate with the pre-disposing infection and study outcome of treatment.

**Methods:** Retrospective study of 14 patients was done who were serologically diagnosed on basis of positive of Parvovirus IgM and bone marrow consistent of Parvovirus infection. Laboratory investigations like complete blood count (CBC), reticulocyte count, ESR, and bone marrow study were done as indicated.

**Results:** Unexplained persistent anemia was the most common finding but all cell lines were affected. Hemolytic anemia and HIV were the most common pre-disposing infection. Immunocompromised host had longer periods for recovery and more transfusion requirements.

**Conclusions:** Prolonged unexplained anemia should always be investigated for parvovirus infection. Although anemia is the most common manifestation, aplastic crisis also occur. IVIG remains the treatment of choice and hastens recovery.