Erythroblasts with typical morphology of Parvovirus B19 infection

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Category: Bone marrow failure > Acquired Bone marrow failure > Acquired Aplastic Anemia

Description: Clinical case A 36 year-old male in treatment with immunosuppressive drugs because a kidney transplant three months before, presented with a several anemia (Hb 47g/L). Retycolucytes count was very low: 2x109/L. Bone aspirate showed erythroblastopenia with giant erythroblasts (A) and few erythroid mature forms showing a morphology typical of Parvovirus B19 infection. Parvovirus inclusions are rejected to the periphery of the nucleus as it is observed Figure B. By real time PCR the presence of Parvovirus B19 was detected. In all immunodeppressed patients with pure red-cell aplasia the infection by Parvovirus B19 must be investigated. Diagnosis: Parvovirus B19 infection in an immunocompromised patient.