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Human parvovirus B19-associated early postoperative acquired pure red cell aplasia in simultaneous pancreas-kidney transplantation: A case report

Hui Wang *et al.* HPV B19-associated aPRCA in SPKT

Abstract

BACKGROUND

Acquired pure red cell aplasia (aPRCA) related to human parvovirus B19 (HPV B19) is rarely reported in simultaneous kidney-pancreas transplantation (SPKT) recipients; there has yet to be a case report of early postoperative infection. In this current study, we report the case of a Chinese patient who experienced the disease in the early postoperative period.

Match Overview

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Abstract

Patients, Materials, and Methods

Results

Discussion



Parvovirus B19 (PVB19) is a single-stranded DNA virus that infects the majority of humans [1]. Seroepidemiologic studies demonstrate that 60%–90% of adults have antibodies against PVB19 [2]. Classically, primary PVB19 infection, which occurs most commonly in children, manifests as erythema infectiosum [3]. In adults, primary PVB19 infection may manifest as arthropathy [4], and infection during pregnancy can lead to hydrops fetalis [5]. PVB19 has a propensity to infect erythroid progenitor cells an...

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Cited by: 192

Author: Albert J. Eid, Robert A. Brown, Robin Patel, ...

Publish Year: 2006

Published: Jul 01, 2006

Human parvovirus B19 in solid organ transplantation ...

<https://onlinelibrary.wiley.com/doi/abs/10.1111/ctr.13535>

Clinical manifestations of **human parvovirus** B19 infection can vary widely and may be atypical in solid organ transplant (SOT) recipients. However, disease is apparent when there is destruction of erythrocyte progenitor **cells** leading to severe acute or chronic anemia with lack of an appropriate reticulocyte response in the setting of active **parvovirus** B19 infection.

Cited by: 9

Author: Albert J Eid, Monica I Ardura

Publish Year: 2019

Parvovirus B19 and the Kidney | American Society of Nephrology

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Barber, K. A.; Jackson, R. 1983-01-01. In two of five infants with neonatal lupus erythematosus th...