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Title: Congenital and perinatal complications of Chikungunya fever: A Latin American Experience

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1 **Highlights**

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3 The effect of CHIKF on pregnancy outcomes and its consequences for one hundred sixty nine
4 symptomatic infants born to infected mothers at the peak of the epidemic wave in Latin America,
5 is analyzed.

6 Newborns with CHIKF seen at four large regional maternity hospitals from three different
7 Central and South American countries were prospectively evaluated.

8 This study presents the largest series of symptomatic neonates with CHIKF analyzed so far in
9 any region and the first involving infection by the Asian genotype of CHIKV. With few
10 exceptions, the frequency of clinical findings seen in suspected cases was similar to
11 that of confirmed patients in our series. Rash, hyperalgesia syndrome and
12 meningoencephalitis were significantly less common in the suspected cases in
13 comparison to confirmed patients. Whereas clinical manifestations were similar to those
14 reported before, the percentage of neurological complications was lower. CFR was
15 comparatively higher.

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