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Name of Journal: *World Journal of Gastroenterology***Manuscript NO:** 39153**Manuscript Type:** ORIGINAL ARTICLE**Basic Study****Effects of hepatitis E virus infection on interferon production via ISG15**Wang M *et al.* Effects of HEV infection on IFN production via ISG15

Min Wang, Ying Huang, Man He, Wen-Ju Peng, De-Ying Tian

Abstract**AIM**

To assess the effects of hepatitis E virus (HEV) on the production of Type I interferons (IFNs) and determine the underlying mechanisms.

METHODS**Match Overview**

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Hepatitis E virus (HEV) causes both endemic and epidemic human hepatitis **by** fecal-oral transmission in many parts of the world. To ensure that the impaired IFN- β mRNA level was not due to a cytotoxic **effect** induced **by** poly(I-C) or HEV replication, we performed a cell viability assay of mock-**infected** or HEV-**infected** ...

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Virus infection can induce the synthesis of interferons; however, viruses have evolved many strategies to antagonize the induction of interferons. There is little knowledge about how hepatitis E virus (HEV) inhibits induction of host IFNs, though the viral genome was sequenced more than 2 decades ago. This is the first report ...

Hepatitis E virus persists in the presence of a type III interferon response

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