

中文題目：從一位登革熱患者身上發生的 C 型肝炎病毒抑制現象來探討兩種病毒之間的關聯性。

英文題目：Suppression of Hepatitis C virus in a Patient Infected by Dengue Virus: Possible Interference Between the Two Viruses

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摘要：

Dengue fever is quite endemic in tropical or subtropical countries, including Taiwan. Hepatitis C virus (HCV), also a member of Flaviviridae, has a high prevalence in Taiwan, especially in the Southern region. Regardless of the high prevalence, investigations about the possible interference between Dengue fever virus and HCV are absent. Herein, we report a case of Dengue virus infection in a patient with chronic hepatitis C. Remarkably declined HCV RNA was noted during Dengue virus infection in this patient. This finding hints the inhibition of HCV replication exerted by Dengue virus. The exact mechanisms are still unknown, but we speculate that there is a competitive relationship between the two viruses because they are both the members of Flaviviridae. More studies are needed to clarify the mechanisms of this phenomenon for possible clinical application in the future.