

中文題目：漢他出血熱合併急性肝腎衰竭

英文題目：Hantavirus hemorrhagic fever complicated with acute renal failure and acute hepatic failure (HFRS)

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Background: The hantavirus is a single-stranded, enveloped, negative-sense RNA virus in the family *Hantaviridae* of the order *Bunyavirales*. Some strains cause potentially fatal diseases in humans, such as hantavirus hemorrhagic fever with renal syndrome. We would like to present a patient with hantavirus hemorrhagic fever complicated with acute renal failure and acute hepatic failure, who recovered very well after intensive medical treatment.

Method: This is a 25-year-old man without any history of medical disease. He complained of vomiting and abdominal pain for 3 days before admission. At emergent department, spiking fever with chills was found, lab data showed GPT: 1021 IU/L, GOT: 1795 IU/L, Creatinine 7.8mg/dl, CPK: 4721, CRP: 11.2 mg/dl, QBC: 15550, Hb: 20.3g/dl. Respiratory distress and general malaise was noted clinically

Results: After admission, emergent hemodialysis and hydration was arranged. Ceftriaxone and vibramycin were given as empirical antibiotics. The history taking of TOCC showed rodent contaminations. Leptospirosis and hantavirus study was arranged and blood sample was sent to CDC. After medical therapy and hemodialysis, antibiotics therapy and oxygen support, the renal function and liver function improved gradually and fever subsided. The patient was discharged smoothly on the 15th hospital day.

Conclusions: Ribavirin may be a drug for HFRS, however, its effectiveness remains unknown. The most important mission is spontaneous recovery is possible with supportive treatment. People with suspected hantavirus infection may be admitted to the hospital to help them breathe during the acute pulmonary stage with severe respiratory distress. For hemorrhagic fever and renal failure, transient hemodialysis should be considered in patients with hemorrhagic fever with renal syndrome (HFRS).