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**A 45 Years Old Male with Acute Kidney Injury Due to Weil's Disease Treated  
with Hemodialysis**

**Yuscha Anindya**, Hana Indriyah Dewi, Agung Susanto, Ratih Tri Kusuma Dewi, Aryo Suseno, Santy Ayu Puspita Perdhana, Satriyo Budhi Susilo  
Department of Internal Medicine, Sebelas Maret University, Moewardi General Hospital, Indonesia

**Case Study :** Leptospirosis is a zoonotic disease that is still prevalent in developing countries. Some cases of leptospirosis can progress into Weil's disease, characterized by elevated renal function tests and jaundice with loss of consciousness. Hemodialysis is one of the recommended options to treat elevated renal function levels in Weil's disease. We present a 45 years old male with acute kidney injury due to Weil's disease. Patient presented with complaints of reddened eyes, fever, pain in the lower calves, and has a history of prolonged contact with flood waters. A week later the fever has worsened, patient became jaundiced, and he began losing consciousness. Patient then was admitted in intensive care. Laboratory results showed elevated leucocytes, bilirubin, and renal function levels, with Faine score achieved at 15, indicating possible leptospirosis infection. Patient then was checked for IgM Leptospira and microscopic agglutination test (MAT), with both test results came out positive (1/320). Patient was then treated with intravenous ceftriaxone 2 grams once daily. Patient then appeared to be anuria with loss of consciousness appear to be worsening, then we proceeded with multiple hemodialysis sessions. Patient then regained consciousness and renal function levels returned to normal after 5 days since admission. Patient then were discharged and the renal function test remained normal a week later, with no indication of further hemodialysis.