

## **Abstract**

Leptospirosis is a common zoonosis in Srilanka. Here we present a case of leptospirosis with conjugated hyperbilirubinemia and oliguric acute renal failure complicated with guillan barre syndrome (GBS). These complications were persisted despite treatment with antibiotics and hemodialysis. Plasma exchange was instituted in view of the severe hyperbilirubinemia and guillanbarre syndrome. This was followed by prompt clinical improvement, with recovery of liver and renal function. Beneficial effects of plasma exchange could be attributed to amelioration of the toxic effects of hyperbilirubinemia on hepatocyte and renal tubular cell function.