

ACUTE PANCREATITIS AS A RARE COMPLICATION OF LEPTOSPIROSIS: A CASE REPORT

Authors: Lao, B.C. MD; Tan, J.A.. MD

Chinese General Hospital and Medical Center

SIGNIFICANCE	Leptospirosis is common zoonosis in the Philippines. However, acute pancreatitis in leptospirosis is rare. Some might be misdiagnosed to have obstructive biliary disease. Only a few cases were reported in the literature of acute pancreatitis as a complication of leptospirosis. We report a 55 year old Filipino male who was diagnosed with acute pancreatitis caused by leptospirosis.
CLINICAL PRESENTATION	A 55 year old Filipino male was admitted to Chinese General Hospital because of seven day history of severe epigastric pain, jaundice and fever. On physical examination, patient had icteric sclerae, jaundice, soft abdomen with direct tenderness on the epigastric area.
MANAGEMENT	
Laboratory work up/ Imaging	Amylase and lipase were both elevated at 809 and 1069 respectively. There was also hyperbilirubinemia, elevated liver enzymes and azotemia. Ultrasound of the whole abdomen showed non dilated ducts, normal gall bladder but with prominent pancreas which is indicative of acute pancreatitis
Diagnosis	Upon reassessment, the patient has subconjunctival suffusion and calf tenderness. Qualitative leptospirosis agglutination test showed positive results hence was treated as a case of severe leptospirosis
Treatment	Penicillin G was given for fourteen days and was hydrated accordingly. Patient had remarkable recovery clinically and biochemically after being given antibiotics and IV hydration and was discharged stable.
RECOMMENDATION	Acute pancreatitis is a rare complication of leptospirosis. Adequate history taking and physical examination will lead into the possibility of diagnosis of leptospirosis. After prompt diagnosis, this can be treated with antibiotics and adequate intravenous hydration which will give better prognosis for the patient
KEY WORDS	Case Report; Acute Pancreatitis; Leptospirosis