These confirmed the evidence of life at the time of immersion 1.

3. Evidence leading to the cause of death?
   i. the fact that the body was found in the sea,
   ii. the fine froth seen at the nostrils and mouth 1,2,3,
   iii. blood stained frothy fluid mixed with sand in tracheo-bronchial tree extending to segmental bronchi 4,
   iv. distended, heavy, congested, waterlogged, and oedematous lungs 1,2,
   v. the microscopic evidence of extraneous vegetations in alveoli, the presence of oedema and focal haemorrhages and
   vi. negative toxicology screening confirmed that the cause of death was drowning.

4. He was on the rock fishing. Why did he fall into water?
   i. Toxicology screening excluded the possibility of intoxication.
   ii. There were no autopsy evidence of natural pathology which could have caused incapacitation.
   iii. Clear circumstantial and autopsy evidence of injuries caused by lightning strike was present.

The victim could have fallen in to the sea due to the incapacitation caused by the lightning strike. Injuries caused by lightning are by no means always fatal, and only half the victims struck by lightning are killed. Most lighting occurs during April through May in Sri Lanka. Literature review confirmed that there had been no sea water drowning deaths following being incapacitated by lightning. This could be the first ever reported case of sea water drowning of such nature in Sri Lanka.

References

A rare complication of leptospirosis: acute pancreatitis

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Introduction
Leptospirosis is an acute and often severe infection that frequently affects the liver or other organs and is caused by Leptospira icterohaemorrhagiae, mainly the rat borne variety 1. A definite relationship has been established between leptospirosis and paddy cultivation because of contamination of water in paddy fields by rat excreta. Sporadic urban cases have been seen in the homeless exposed to rat urine 1.

The IgM EIA is particularly useful in making an early diagnosis, since it is positive as early as two days into the illness and is extremely sensitive and specific 2. Major complications of leptospirosis are renal failure, liver failure, myocarditis, aseptic meningitis. Rare complications are pulmonary infiltrates with haemorrhage, acute pancreatitis and iridocyclitis 1. Penicillin, ceftriaxone and Tetracyclines are effective in the treatment and doxycycline once weekly during the risk of exposure is used in prophylaxis 1.
Case report
A 28 year-old male presented with fever for three days. The fever was associated with myalgia and vomiting. His urine output was normal. Two weeks prior to the febrile illness he worked in a paddy field. He smokes occasionally and does not consume alcohol.

On examination he was icteric and was found to have conjunctival suffusion and a diffuse abdominal tenderness. The pulse rate was 100 bpm and his blood pressure was 90/70 mmHg. Clinically he was diagnosed as suffering from leptospirosis and treatment was commenced with intravenous (IV) penicillin. On the second day following admission he complained of sudden onset severe upper abdominal pain radiating to the back associated with nausea, vomiting and sweating. A reduction in his urine output was noted. On examination patient was found to have, hypotension, severe abdominal tenderness absent bowel sounds and his breathing was acidotic.

Investigations
The total WBC was 13,000 /mm$^3$ with 92% neutrophils and the platelet count was 50,000 /mm$^3$. The subsequent platelet count was 16000 /mm$^3$. Urine full report revealed pus cells 1-2 /f and red cells 20-25 /f. The blood urea was 142 mg/dL, serum Na$^+$ was 138mmol/L and K$^+$ was 3.3 mmol/L, respectively.

The serum creatinine was 3.3 mg/dL and the creatinine phosphokinase was 273 U/L. Leptospira IgM antibody was positive. Liver function test revealed serum bilirubin of 221 mmol/L, SGOT of 106 U/L, SGPT 60 u/L and serum amylase of 1834 U/L. Serum triglycerides was 198 mg/dL. Serum calcium was 7.6 mg/dl with normal albumin. Arterial blood gas showed PH of 7.3 with bicarbonate of 15.4 mmol/L.

The above findings were compatible with leptospirosis with acute pancreatitis. The patient was treated with IV fluids, IV penicillin, inotropes, calcium gluconate, sodium bicarbonate and a platelet transfusion was also given. He recovered completely.

Discussion
Acute pancreatitis can be suspected clinically, but requires biochemical and radiologic and sometimes histologic evidence to confirm the diagnosis. All the above features need to be considered together since none of them alone is diagnostic of acute pancreatitis.

Clinical features are upper abdominal pain radiating to back with nausea, vomiting and epigastric tenderness. Grey turners and Cullen signs are bad prognostic signs of acute pancreatitis.

Biochemical findings of acute pancreatitis include an increased serum and urinary levels of enzymatic and nonenzymatic pancreatic secretions. Among them amylase and lipase are important. Serum amylase rises 2 to 12 hours from the onset of symptoms and normalizes within 48 to 72 hours. Serum lipase rises 4 to 8 hours from the onset of symptoms and normalizes within 7 to 14 days.

The most common causes of pancreatitis are alcohol, gallstones, mumps, hypercalcaemia, hypertriglyceridaemia, autoimmune diseases and drugs. Less common causes are bacterial infection (Leptospirosis, Mycoplasma infection, Salmonellosis), viral infection (Varicella zoster, Herpes simplex), mycoses (aspergillus), Parasitic infection (Ascaris, Toxoplasmosis), repeated marathon running and pregnancy.

This case report highlights the need to be aware of common illnesses that can have rare complications like leptospirosis and acute pancreatitis.

References