Introduction
Most of liver cysts are asymptomatic and tend to have a benign clinical course. On the other hand, some large cysts may be symptomatic and cause complications such as intracystic hemorrhage, rupture, infection, and compression of adjacent structures. There are few reports of liver cyst that compresses inferior vena cava (IVC), eventually leads to renal dysfunction. Here in, we present a unique case of a patient with a large liver cyst presented with acute kidney injury (AKI). AKI was caused by congestion of renal veins due to IVC compression, which dramatically improved after the decompressive procedure.

Case introduction
A 73-year-old man presented with one month of bilateral lower leg edema. On admission, physical examination was notable for upper abdominal distention with pretibial slow pitting edema. Laboratory tests showed moderate elevation of serum creatinine without elevation of brain natriuretic peptide. The urine dipstick showed 2+ proteinuria, and protein-to-creatinine (P/C) ratio of spot urine was elevated. Contrast enhanced computed tomography revealed a large cyst on caudate lobe almost completely compressing the IVC, and a marked growth of collateral flow around IVC. To decompress the IVC, a catheter was placed into the cyst and the cavity was sclerosed by administering Ethanolamine oleate. Following the procedure, there was a marked reduction of the size of the cyst and the IVC was successfully decompressed. The blood flow of IVC was restored with a reduction of collateral flow. Bilateral lower leg edema and upper abdominal distention completely disappeared. His serum creatinine and P/C ratio of spot urine normalized, and still has maintained normal ranges 6 months after the procedure.

Discussion
It has become well known that decongestion of renal vein is an important concept in a management of patients with cardiorenal syndrome. Renal vein congestion due to IVC compression is often overlooked but a treatable cause of AKI.