

CGA/16/45 – Prognostic Biomarkers for Acute Kidney Injury in Liver Cirrhosis

Acute Kidney Injury (AKI), a common and under-diagnosed problem in patients with liver cirrhosis, is associated with significant illness and preventable death. Blood creatinine level is the current laboratory test for kidney function but it is insensitive and unreliable in cirrhosis. We hypothesise that blood levels of kidney injury molecule-1 (KIM-1) will detect AKI earlier and predict worsening of AKI in cirrhosis, thus allowing more prompt and effective treatment and improving patient outcomes. We will collect blood and urine samples from cirrhosis patients admitted into hospital and study the relationship between KIM-1, other potential “biomarker” tests, and patient outcomes.