Box 2

Classification of acute kidney injury (AKI)

Classification of AKI	Common causes
Pre-renal AKI Abnormal perfusion to a structurally normal kidney	**Hypovolaemia** ● Vomiting and diarrhoea ● Dehydration ● Blood loss **Hypotension** ● Sepsis ● Cardiac failure ● Liver failure ● Medication
Renal AKI Injury to nephrons (glomeruli and/or tubules), known as intrinsic renal disease	**Prolonged pre-renal AKI insults** ● Acute tubular necrosis (ATN) due to: — Prolonged pre-renal AKI — Drugs/toxins ● Rapidly progressive glomerulonephritis (e.g. post-infectious or associated with ANCA-vasculitis) ● Allergic interstitial nephritis: — Drug-induced (commonly antibiotics) — Infection-associated ● Vascular damage e.g. malignant hypertension
Post-renal AKI Obstruction to urinary flow	**Obstruction** ● Ureteric stones ● Pelvic malignancy ● Prostate hypertrophy