

Supplementary Table 1 The four criteria for acute kidney injury

| Criteria Stage | SCr | | | | UO |
|-----------------------|--|---|--|---|----------------------------|
| | RIFLE | AKIN | KIDGO | 2015-ICA | RIFLE/AKIN/KIDGO O |
| Definition for AKI | Increase in SCr \geq 1.5 times baseline, within 7 d; or GFR decrease $>$ 25% | Increase in SCr by \geq 0.3 mg/dL within 48 h; or increase in SCr \geq 1.5 times baseline within 48 h | Increase in SCr by \geq 0.3 mg/dL within 48 h; or increase in SCr \geq 1.5 times baseline to have occurred within the prior 7d | Increase in SCr \geq 0.3 mg/dL within 48 h; or a percentage increase SCr \geq 1.5-fold from baseline which is known, or presumed, to have occurred within the prior 7 d | $<$ 0.5 mL/kg/h for 6 h |
| Risk/1 | SCr increase 1.5-1.9 times baseline or GFR decrease | SCr increase 1.5-1.9 times baseline within 48h or SCr increase \geq 0.3 mg/dL (26.5 μ mol/L) within 48h | SCr increase \geq 0.3 mg/dL within 48 h or SCr increase 1.5-1.9 times baseline within 7 d | Increase in SCr \geq 0.3 mg/dL within 48 h or an increase in SCr \geq 1.5-fold to 2-fold from baseline within 7 d | $<$ 0.5 mL/kg/h for 6-12 h |

25%-50%

within 7 d

Injury/2 SCr increase 2.0-2.9 times baseline or GFR decrease SCr increase 2.0-2.9 times baseline SCr increase 2.0-2.9 times from baseline Increase in SCr > 2-3-fold from baseline < 0.5 mL/kg/h for ≥ 12 h

50%-75%

Failure/3 SCr increase ≥ 3.0 times baseline or GFR decrease > 75% or SCr increase ≥ 4.0 mg/dL with an acute decrease > increase of at least 0.5 mg/dL or initiation of renal replacement therapy SCr increase 3.0 times baseline or increase ≥ 4.0 mg/dL with an acute increase of at least 0.5 mg/dL or initiation of renal replacement therapy SCr increase 3.0 times baseline or SCr increase to ≥ 4.0 mg/dL (353.6 μmol/L) or initiation of renal replacement therapy Increase in SCr > 3-fold from baseline or SCr ≥ 4.0 mg/dL with an acute increase ≥ 0.3 mg/dL or initiation of renal replacement therapy < 0.3 mL/kg/h for ≥ 24 h; or anuria for ≥ 12 h

acute
increase of
at least 0.5
mg/dL

AKIN: Acute Kidney Injury Network; KDIGO: Kidney Disease Improving Global Outcome; RIFLE: Risk, Injury, Failure, Loss, End stage renal disease; ICA: International Club of Ascites; SCr: Serum creatinine; UO: Urine output; AKI: Acute kidney injury; GFR: Glomerular filtration rate.