

Diagnosis 1

- ▶ Introduced by the Acute Kidney Injury Network (AKIN), specific criteria exist for the diagnosis of AKI:
- ▶ Rapid time course (less than 48 hours)
- ▶ Reduction of kidney function
 - ↑ in serum Cr, defined by either:
 - Absolute ↑ in serum Cr of ≥ 0.3 mg/dl (≥ 26.4 $\mu\text{mol/l}$)
 - Percentage ↑ in serum Cr of $\geq 50\%$
 - ↓ in urine output, defined as < 0.5 ml/kg/h for > 6 hours

Diagnosis 2

The following urinary indices may be helpful provided no diuretic have been given:

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TEST	Pre-renal	Renal	Post-renal
Urine Osmolality (mosmol/kg)	>400 – 500	<350	Variable
Urine/P Cr ratio	>40	<20	<20
Urine Na (mmol/L)	<20	>40	Variable
FENa	<1%	>2%	Variable

$$FENa = [(U_{Na} \times P_{Cr}) / (P_{Na} \times U_{Cr})] \times 100$$

Treatment

- ▶ Pay urgent attention and treat the following early
 - Hyperkalaemia – $K^+ > 6.5 \text{ mmol/L}$
 - Metabolic acidosis
 - Htn
 - Shock
 - Fluid overload
 - Hypocalaemia
 - Hypo/hyponatraemia