

Table 1 .**Table of Critical Values for Specific Serum Analytes for phoning.**

Analyte	Results to be Phoned
Sodium	<125 mmol/L >150 mmol/L
Potassium (In patient)	<2.50 mmol/L >6.00 mmol/L
Potassium (GP/OPD)	<2.9 mmol/L >6.0 mmol/L
Potassium (Haemolysed Sample)	<3.5 mmol/L
Calcium (Corrected)	<1.90 mmol/L > 2.90 mmol/L
Phosphate	<0.40 mmol/L >3.00 mmol/L
Magnesium	<0.50 mmol/L >1.80 mmol/L
Bicarbonate	<15.0 mmol/L >35.0 mmol/L
Plasma Glucose	<2.8 mmol/L >20.0 mmol/L (first occurrence)
Urea/Creatinine	Urea > 12.0 mmol/L with normal creatinine Urea > 12.0 mmol/l with Creatinine >200 umol/L (first occurrence)
Ethanol	>250 mg/dl
Paracetamol	All reportable levels mg/L
Salicylate	All detectable mg/L
Non ICU Total Protein	<50 g/L and > 100g/L (first occurrence)
Non ICU Albumin	<25g/L (first occurrence)
Iron	>60 umol/L
CSF Glucose /Protein	All , except neurology OPD
CK	>5000 IU/L(500 if first occurrence)
Pregnancy serum HCG	>2 IU/L(in-patients only)
T.Bili	> 250 umol/L (first occurrence)
ALT/AST	>500 IU/L (first occurrence)
Amylase	> 200 IU/l
Ammonia	All (umol/L)
ABG's	All
Lactate	>5.0 mmol/L
Osmolality (Serum)	<240 and> 310 mOsm/Kg
Troponin	All > 100 ng/L & Haemolysed samples (1 attempt only)
Urate	>750 umol/L

Table 2 Serum Analytes to be phoned for patients with established CRF.

Analyte	Results for Phoning
Sodium	<120 mmol/L >160 mmol/L
Potassium	<2.50 mmol/L >7.0 mmol/L
Calcium (Corrected)	<1.80 mmol/L > 3.20 mmol/L
Phosphate	>5.00 mmol/L
Magnesium	<0.50 mmol/L >2.00 mmol/L
Urea	>50.0 mmol/L

Table 3 Table of Serum Therapeutic drug critical levels for phoning

Drug	Results for Phoning
Carbamazepine	>25.0 mg/L
Digoxin	< 0.3 and > 2.6 ug/L
Phenobarbitone	> 45.0 mg/L
Phenytoin	> 30.0 mg/L
Theophylline	> 30.0 mg/L
Valproate	No need to phone (unless stated overdose)
Cyclosporin (Renal)	> 300 ng/ml
Lithium	<0.30 mmol/L >1.00 mmol/L

Table 4 Table of Endocrinology Critical Levels for Phoning

Hormone	Results for Phoning
Cortisol	<90 nmol/L
FT4/TSH	Grossly Abnormal results eg. TSH >=75 IU/L FT4 >=75 pmol/L