

UNKNOWN, Male

DOB: 01/01/1985

Department: A&E

“?Intoxication, ?Drugs, ?Poisoning”

What lab tests will help the Doctors?

Biochem

Haem

Drugs & TDM

Blood gases

Alcohols

Toxicology/Other

Osmolar gap

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Osmolar gap

$$= 2x[\text{Na}] + [\text{urea}] + [\text{glucose}]$$

Na: 138

K: 4.2

Cl: 110

HCO₃: 6 **OG =**

Urea: 4.7

Creatinine: 105

Glucose: 5.3

Osmolality: 364

Anion gap

=

Anion gap

$$= (\text{Na} + \text{K}) - (\text{HCO}_3 + \text{Cl})$$

Na: 138

K: 4.2

Cl: 110

HCO₃: 6

AG =

Urea: 4.7

Creatinine: 105

Glucose: 5.3

Osmolality: 364

Antidotes

Paracetamol

Dimercaprol

Opiates

Digibind

Ethylene glycol

Desferrioxamine

Digoxin

Fomepizole

Cyanide

Naloxone

Paraquat

N-acetylcysteine

Arsenic

Ethanol

Iron

Sodium thiosulphate