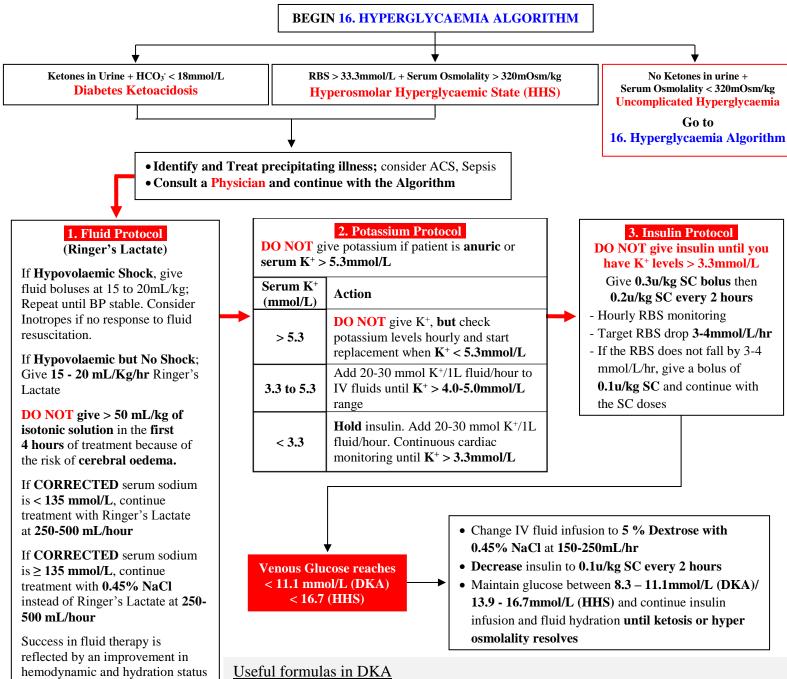
17. Diabetic Ketoacidosis (DKA)/ Hyperosmolar Hyperglycaemic State (HHS) Algorithm

This clinical pathway is intended to supplement, rather than substitute for, professional judgment and may be changed depending upon a patient's individual needs. Failure to comply with this pathway does not represent a breach of the standard of care.



<u>Useful formulas in DKA</u>

and pH values, a satisfactory urine

output of 1 to 2 mL/kg/hour, and

clinical progress.

Anion gap = Na^+ - $[(Cl^- + HCO_3^-)]$

Serum sodium correction = $Na^{+}_{measured}$ + {(Glucose - 5.5) / 3} (all values in mmol/l).

Serum potassium correction during acidaemia = [K+] - (0.6 mmol/L X (7.4 - measured pH) X 10)

Serum osmolality (mOsm/L) = $2 [Na^+ + K +] (mmol/L) + Glucose (mmol/L) + BUN (mmol/L)$

Total body water deficit (L) = 0.6_{men/children} or 0.5_{women} x body weight (kg) X [serum Na⁺/140 - 1]