

BASELINE INVESTIGATIONS

- blood ketones
- capillary blood glucose
- VBG
- FBC, U&Es, blood cultures
- CXR
- ECG
- urinalysis & culture
- patient bodyweight (or estimate)

DIAGNOSTIC CRITERIA - ALL MUST BE PRESENT

- Ketonaemia of 3mmol/L and over **or** significant ketonuria (more than 2+ on urine dipstick)
- Blood glucose over 11mmol/L **or** known diabetes mellitus (type 1 or type 2)
- Serum bicarbonate below 15mmol/L **and/or** venous pH less than 7.3

A. (0-60minutes)

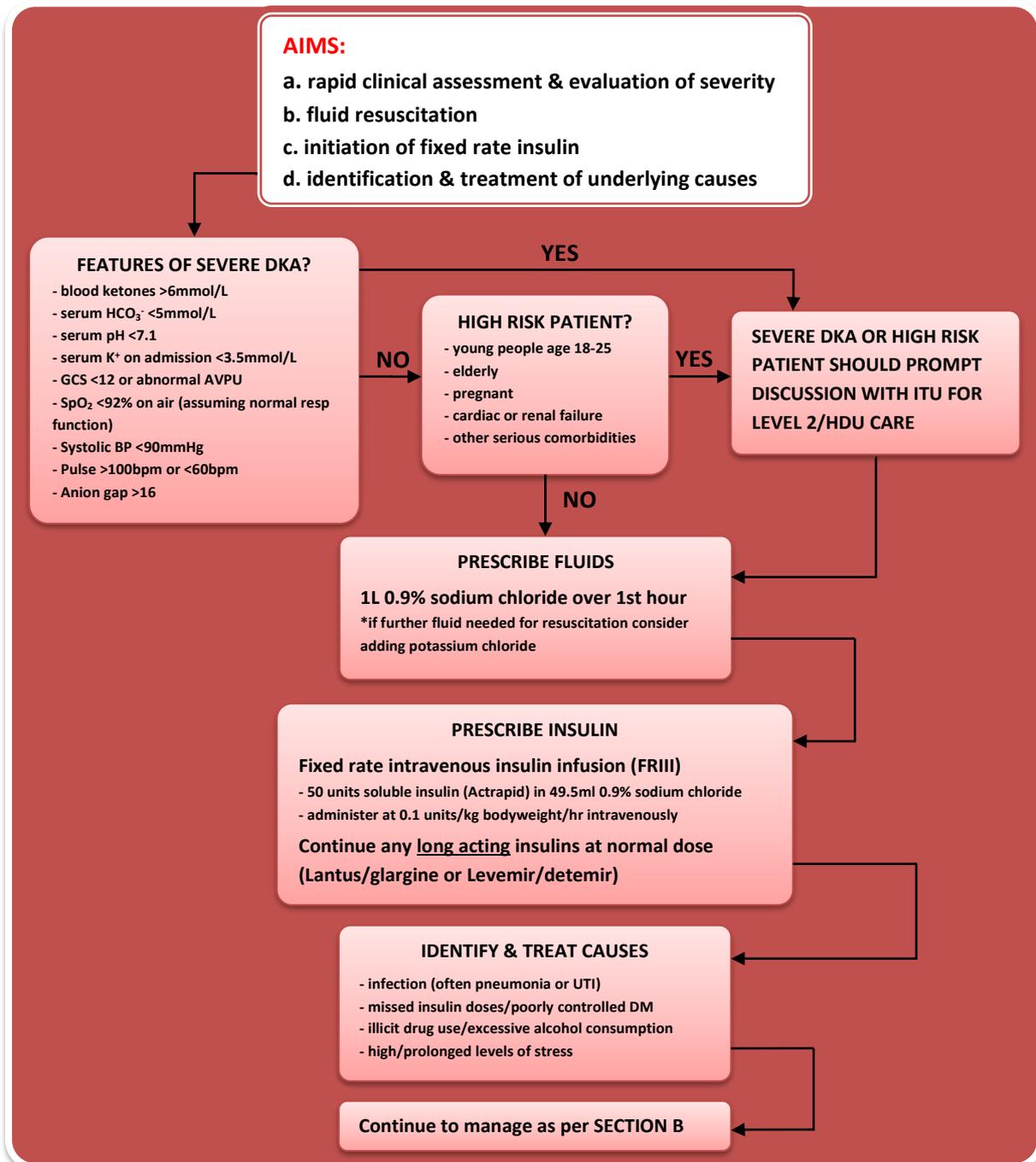
B. (1-6hours)

C. (6-12hours)

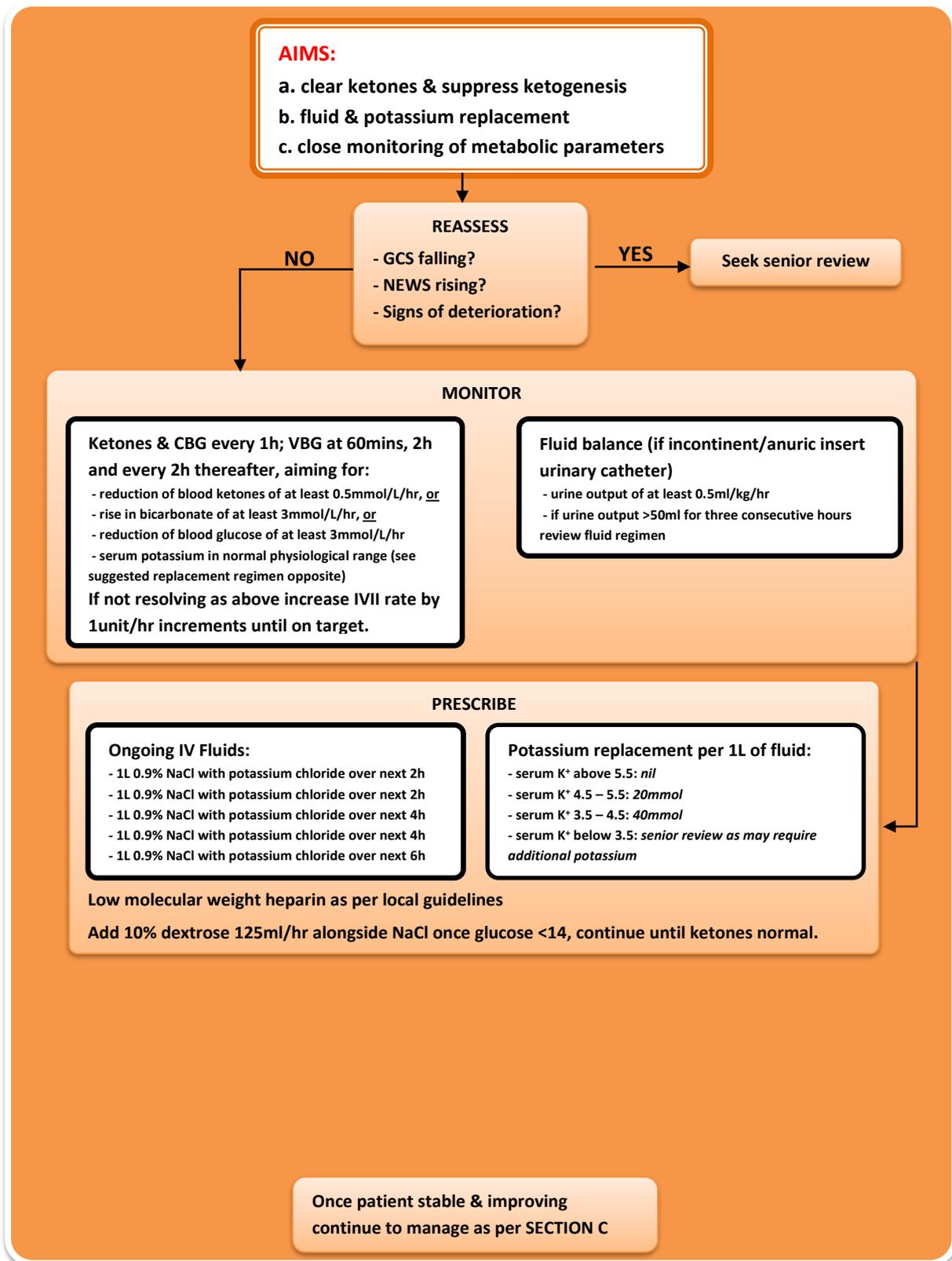
D. (12-24hours)

E. Conversion to subcutaneous insulin

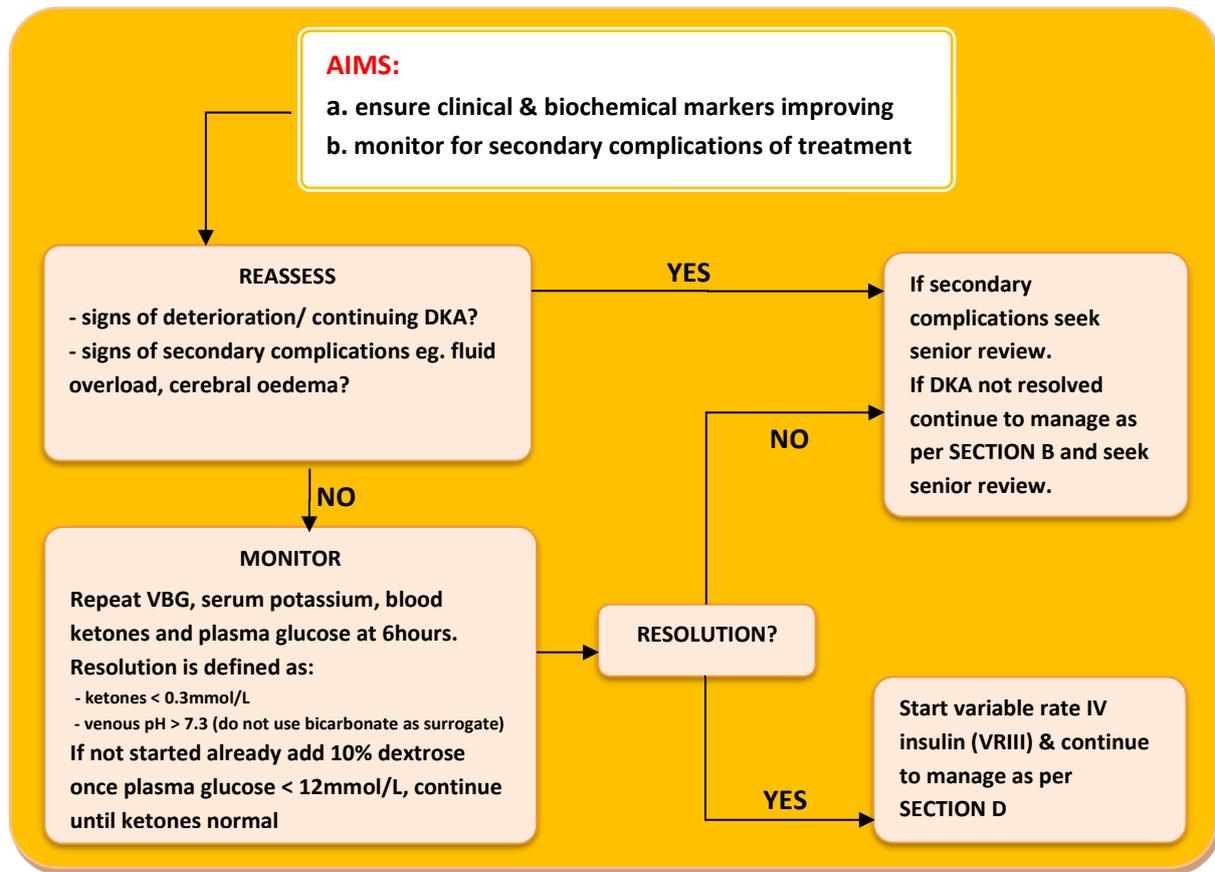
A. 0-60minutes - IMMEDIATE MANAGEMENT



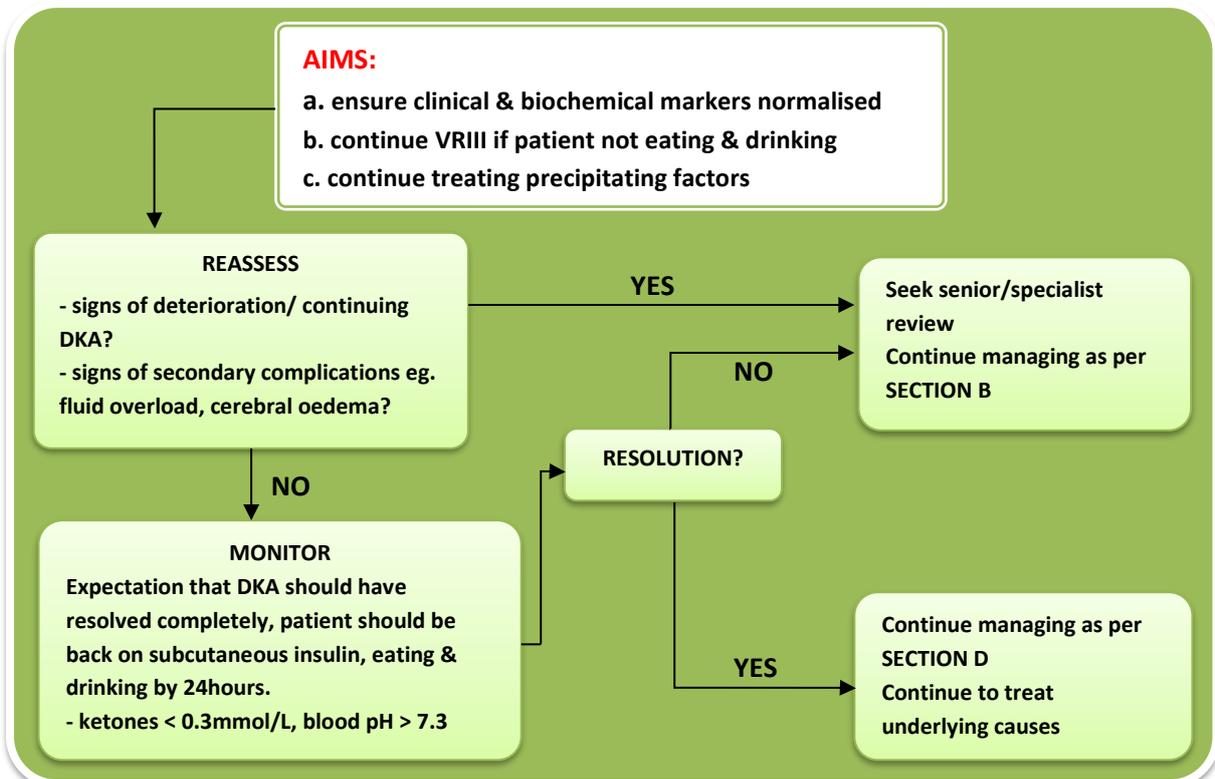
B. 1-6hours



C. 6-12hours



D. 12-24hours



E. Conversion to subcutaneous insulin

Convert back to appropriate subcutaneous insulin regime when patient is able to eat and biochemically stable (ketones < 0.3mmol/L, blood pH >7.3 and serum bicarbonate >20mmol/L), ideally with involvement of Specialist Diabetes Team.

Long acting insulins should be started at least 4 hours before insulin infusion is stopped.

If patient is newly diagnosed they must be seen by the Specialist Diabetes Team prior to discharge.