

Managing Diabetes at the End of Life: Summary Guidance

This summary relates to the management of glucose control in patients with diabetes at the end of their life. The complete care recommendation developed by the Association of British Clinical Diabetologists (ABCD), Diabetes UK, TREND UK & 'Diabetes, Frail' & endorsed by the Royal College of Nursing & the Primary Care Diabetes Society is available at: [EoL_TREND_FINAL2_0.pdf](#) and on COIN.

This document summarises the national consensus guidelines relating to:-

1. The principles of high quality diabetes care at the end of life.
2. Managing glucose control in the last days of life in patients with type 2 diabetes.
3. Managing glucose control in the last days of life in patients with type 1 diabetes.
4. Withdrawal of treatment.
5. Glucose management in patients treated with once daily steroid therapy.

1. The principles of high quality diabetes care at the end of life are:

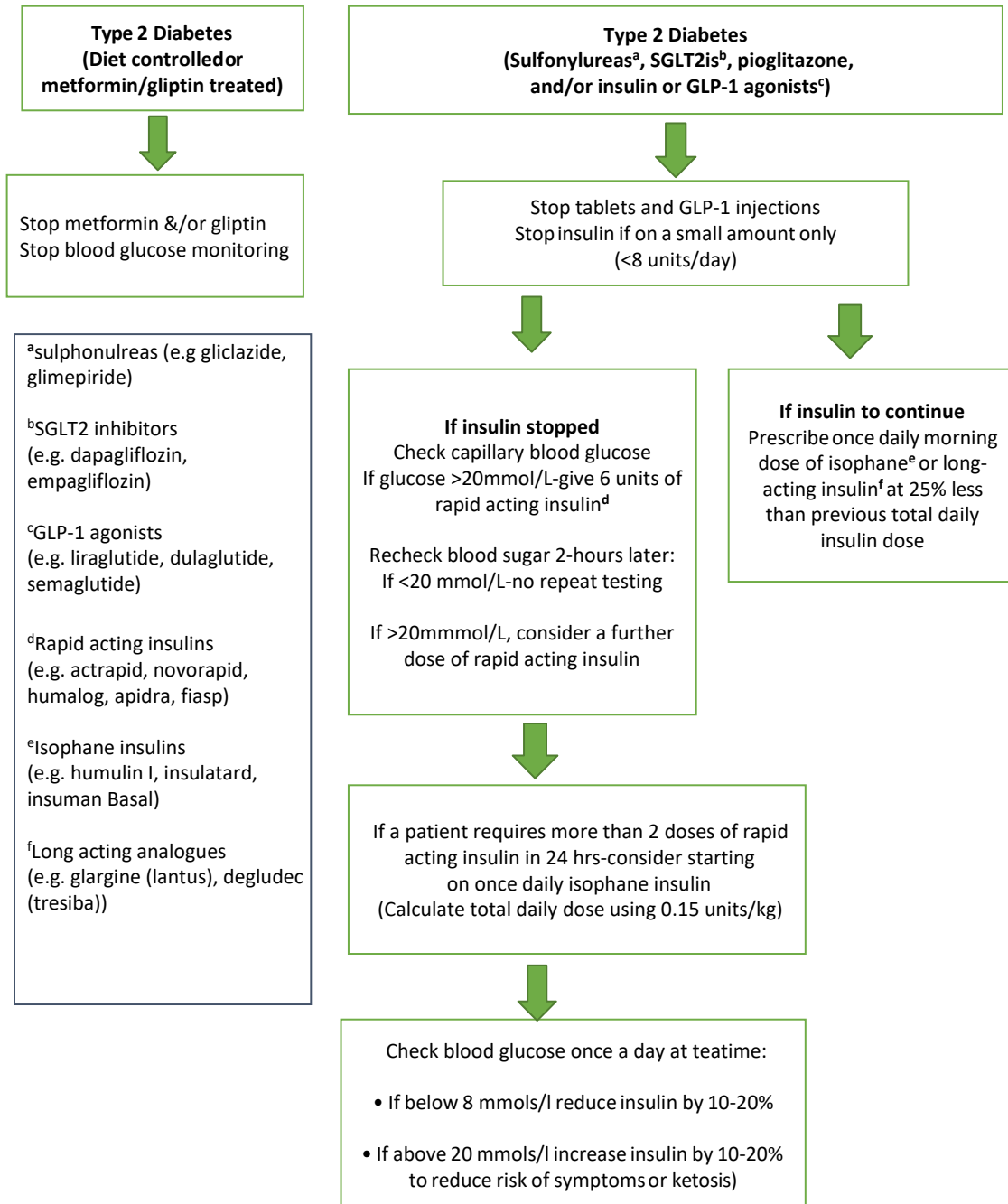
- Ensure that effective symptom control is provided during the dying stage
- Tailor glucose-lowering therapy & minimise diabetes-related adverse treatment effects
- Avoid metabolic decompensation and diabetes-related emergencies such as:
 - Frequent and unnecessary hypoglycaemia
 - Diabetic ketoacidosis
 - Hyperosmolar hyperglycaemic state
 - Persistent symptomatic hyperglycaemia
- Avoid foot complications and pressure sores in frail, bed-bound individuals with diabetes
- Avoid symptomatic clinical dehydration
- Provide an appropriate level of intervention according to stage of illness, symptom profile, and respect for dignity
- Support and maintain the empowerment of the individuals (in their diabetes self-management) for as long as possible

During the last days of life:

- Discuss with the patient (family) changing the approach to the management of diabetes
- Relax glycaemic targets: 8-15mmol/L
- The priority is to avoid hypoglycaemia (capillary glucose <4mmol/L) & severe hyperglycaemia, both of which are associated with unpleasant symptoms
- Minimise unnecessary interventions & keep blood glucose testing limited to once daily
- Do not stop insulin in type 1 diabetes, even when not eating as there is a need for basal insulin. The dose can be decreased/adjusted
- For those patients who remain on insulin during last days of life contact the local Diabetes Inpatient Team

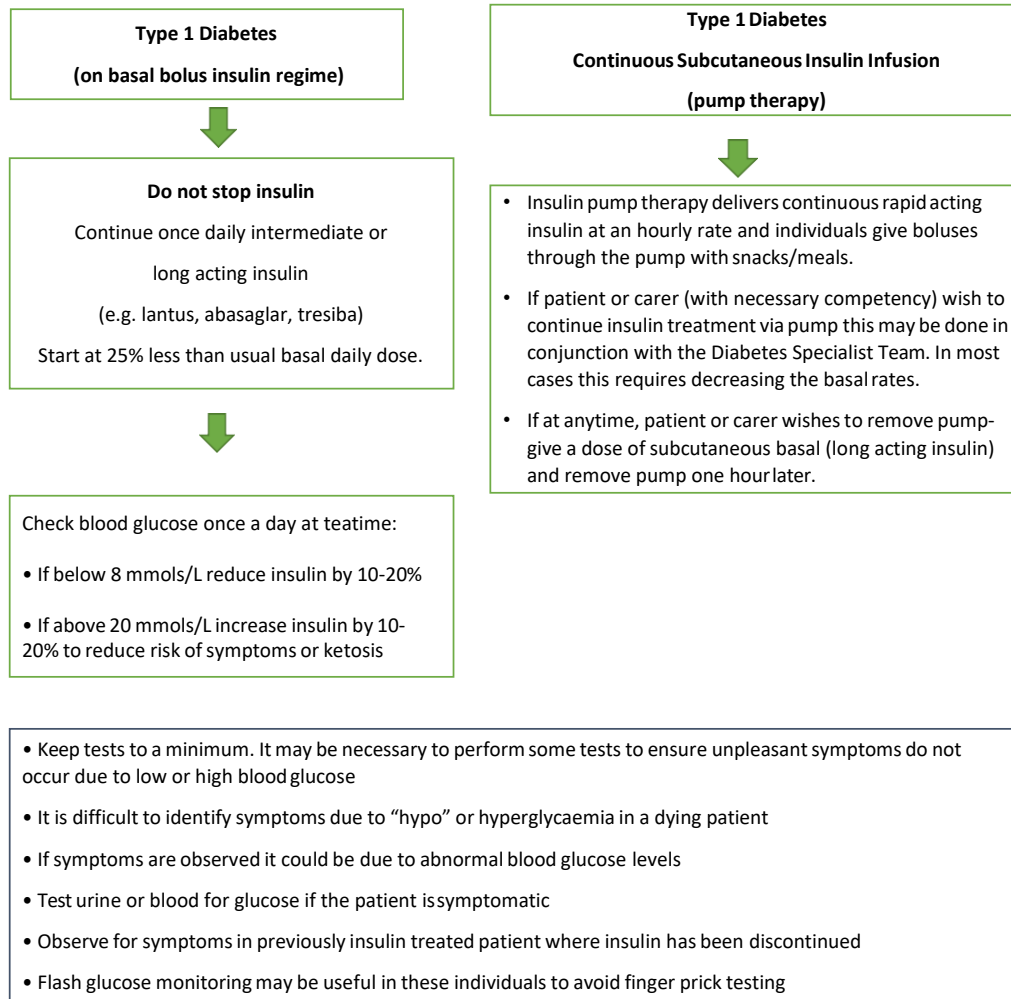


2. Glucose control in the last days of life in patients with type 2 diabetes





3. Glucose control in the last days of life in patients with type 1 diabetes



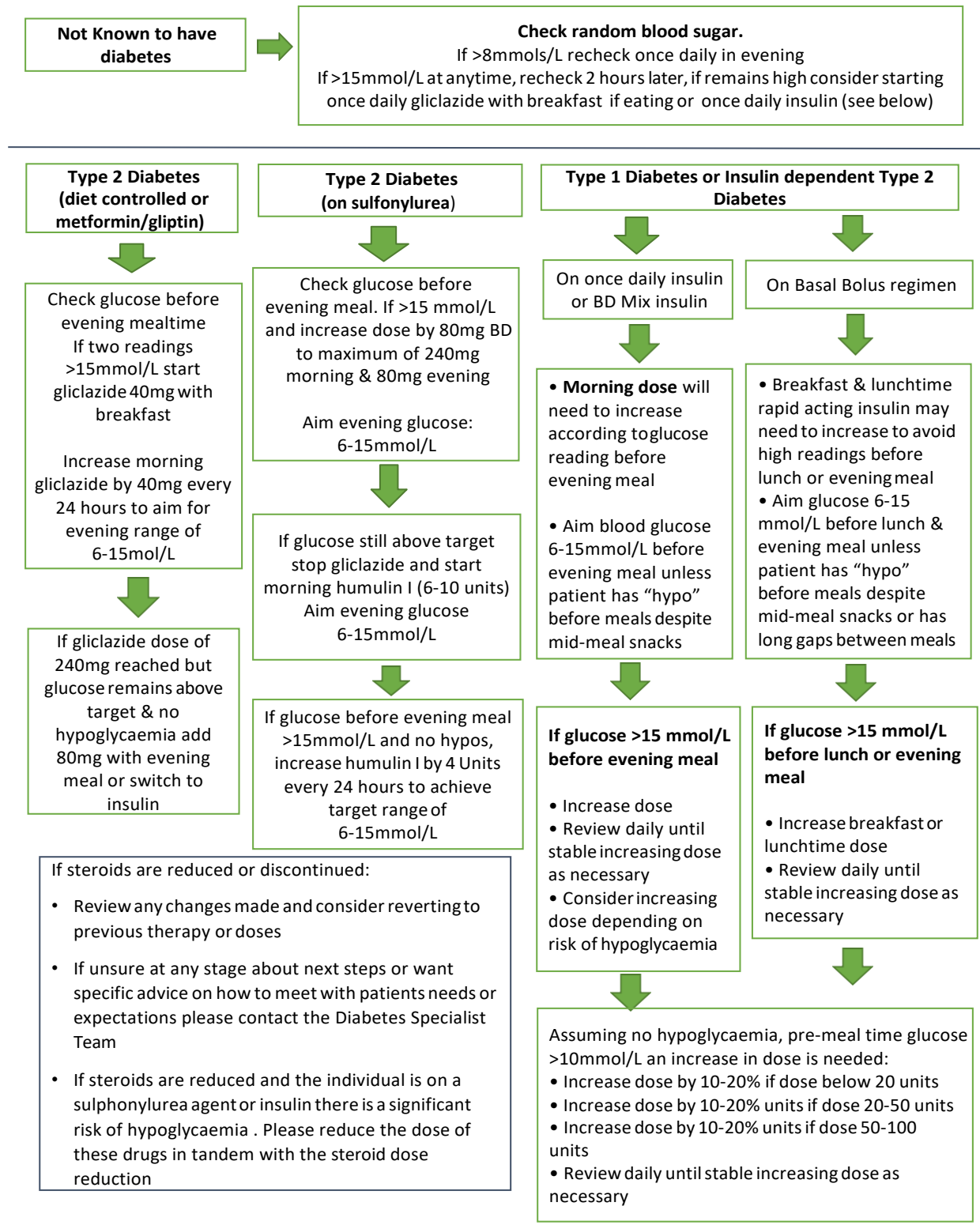
4. Withdrawal of treatment

Withdrawal of part or whole of diabetes-related treatment can be considered under conditions listed below:-

- When the individual with diabetes is entering the terminal phase of life
- Where frequent treatment-related hypoglycaemia is causing distress and significant management difficulties
- Where the benefits of stricter glucose control cannot be justified
- Where continued use of blood pressure or lipid lowering therapy cannot be justified on health benefit considerations
- Where continued food or fluids are not the choice of the individual
- Where continued treatment with insulin poses an unacceptable risk of hypoglycaemia or where the benefits of stricter glucose control cannot be justified



5. Glucose management in patients treated with once daily steroid therapy



This guideline was developed by Dr F Iqbal (SpR) and Prof J Stephens. It has been reviewed by the ThinkGlucose lead, the Diabetes consultants and nursing staff across the health board, along with Dr Anthony Williams, consultant in Palliative Care.