GUIDELINE FOR INSULIN PUMP THERAPY (KARDEX SECTION C)

Inpatient Use Only

Key Points

- Give 2 hours between each bolus.
- For corrections, always use fast-acting insulin (e.g. Novorapid).
- Any other clinical concerns, please seek medical advice.

Check Blood Glucose Level

**Blood Glucose < 4.0**
- Suspend Pump
- Treat with either –
  - 120ml Lucozade
  - 100ml of non-diet fizzy drink
  - 100ml of apple/orange juice
  - 3 glucose sweets
- Wait 10 mins then Re-check Blood Glucose
- If Patient is Hungry & Wants to Eat, Bolus for Carbs as Normal

**Blood Glucose 4.0 – 13.9**
- No Intervention
- Consider Medical Advice if -
  - i) Patient’s condition deteriorates
  - ii) No improvement in blood glucose after 2 hypo treatments

**Blood Glucose ≥ 14.0**
- Check Blood Ketone Level
- Blood Ketone < 1.0
  - Contact Doctor
- Blood Ketone ≥ 1.0
  - Contact Doctor

Correction with Pump Needed
- Correction with Injection Needed
  - Regardless of when last bolus took place
  - Use bolus advisor on pump to calculate correction dose
    OR
  - Calculate correction dose manually using this formula –
    BG - 5
    ISF
  - Re-check Blood Glucose after 1 Hour
  - Set Change Needed
  - Treat with either –
    - 120ml Lucozade
    - 100ml of non-diet fizzy drink
    - 100ml of apple/orange juice
    - 3 glucose sweets
    - Wait 10 mins then Re-check Blood Glucose