

Adult inpatient teams





- It is often safer for patients to self-manage diabetes
- What is the self-administration policy in your hospital?
- Listen to the person: they live with their diabetes 365 days a year
- Diabetes is a challenging condition which can impact wellbeing

2 Know the difference between types of diabetes

- People with type 1 diabetes need insulin for life: even in the last days of life to prevent diabetic keto-acidosis
- People with Type 2 diabetes may be on diet alone, diet plus tablets, injectable therapies, insulin or a combination of these
- Stopping insulin without review can seriously harm your patient
- 20% of people with serious mental illness develop type 2 diabetes but up to 70% are unaware of the diagnosis and die 20 years earlier due to heart disease

3 Feet (see 'Touch the toes test' overleaf)

- Within 24 hours of admission all people with diabetes must have a foot check documented
- Always remove dressings
- If you identify a problem: find out how and where to refer in your locality
- Referrals are usually made to: The Diabetes Specialist Team, Podiatry or Vascular on-call

Hypoglycaemia or low blood glucose ('4 is the floor')

- Hypoglycaemia can kill and must be treated immediately: know your local treatment pathway
- Patients conscious and able to swallow:
 - Step 1 fast acting glucose
 Step 2 carbohydrate snack
- Patients unable to safely swallow or unconscious:
 - See local treatment pathway
- Symptoms: sweating, pale, shaky, sleepy, confusion, aggression, unconscious
- Patients at risk: frailty, dementia, renal impairment, insulin or sulfonylurea treatment, poor appetite
- Refer to the diabetes team if severe or recurrent
- Hypoglycaemia requiring IM glucagon should be reported to the National Diabetes In-patient Harms Audit

5 Hyperglycaemia (high blood glucose consistently in double figures)

- Hyperglycaemia can kill if left untreated, especially in Type 1 diabetes
- Avoid PRN insulin and request diabetes review if blood glucose consistently in double figures
- Symptoms: thirst, polyuria, blurred vision, tired infections, weight loss, incontinence
- Causes: virus eg COVID-19, bacterial infection, insulin or medication omission, being unwell, stress, newly prescribed or increased steroids or antipsychotics, enteral feeding, diet related, undiagnosed diabetes
- Check blood ketones in patients with Type 1 diabetes regardless of blood glucose if unwell

6 How do I prescribe and administer insulin safely?

- Insulin is a high risk drug
- Ensure the right person, right insulin, right dose, right time, right device
- Be familiar with the common insulin profiles
- Never omit long acting insulin: ask if unsure
- Be familiar with local prescribing guidelines



• How do I manage a tube fed person on insulin?

- Give insulin at the start of the feed
- Remember to review the insulin dose or regimen when feed is increased, reduced or stopped OR if the timing has changed
- Look at local guidance on your intranet
- Refer to the diabetes team if unsure



8 Does my patient need IV insulin? (not DKA or HHS)

- Not if eating and drinking
- Only in: NBM/peri-operatively/acutely ill patients
- Always continue sub cutaneous long acting insulin alongside IV insulin
- Check blood glucose hourly
- Always use Trust variable rate intravenous insulin infusion (VRIII) guidelines
- All patients receiving IV insulin must be prescribed IV dextrose

Diabetic ketoacidosis (DKA) and hyperosmolar hyperglycaemic state (HHS)

- DKA and HHS are diabetic emergencies
- Seek senior advice and follow hospital guidelines
- Always refer to the diabetes specialist team
- Patients with DKA will require fixed rate intravenous insulin infusion (FRIII) when unwell
- Know how to diagnose HHS
- It can be harmful to lower blood glucose too quickly in HHS



10 Know how to refer to diabetes team and podiatry

- COVID-19: Ensure patients with Type 1 and Type 2 diabetes know what to do when they are ill at home (sick day rules)
- Start discharge planning from the moment of admission
- Ensure you know how to refer your patient to the diabetes specialist team, podiatry, medical and vascular doctor on-call in your locality
- Speak to the ward pharmacist if you have queries about your patient's medication
- Urgent referrals: DKA, HHS, acute diabetic foot, severe recurrent hypoglycaemia, pregnancy, insulin pump
- For more information: see Joint British Diabetes Society (JBDS) Inpatient guidelines

Touch the toes test

Does your patient with diabetes have reduced sensation?

- Ask the patient to close their eyes
- Tell the patient you are going to touch their toes
- Ask them to tell you which foot you touched, left or right
- Touch toe number 1 for two seconds gently. Do not repeat
- Continue until you have assessed 6 toes as marked on the diagram
- If your patient cannot feel 2 or more toes they have reduced sensation for their foot check



(The Ipswich Touch Test reproduced with permission from Diabetes UK)

All patients with diabetes must have a foot check within 24 hours of admission to hospital

CHECK

- Remove socks/dressings/bandages
- Is there an active foot problem Ulcer? Gangrene? Black necrotic tissue? Black toes? Exposed bone?
- Is there reduced sensation?
 Follow 'Touch the toes test'
- Document your foot check according to local documentation policy

PROTECT

- Apply new dressings/bandages (use wound management guideline or patient's care plan)
- Ensure heels are offloaded as per Trust policy
- Check feet daily for any new problems

REFER

 Active foot problem? Know how and where to make an urgent podiatry referral in your locality

See www.knowdiabetes.org.uk

for more information on diabetes foot care





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