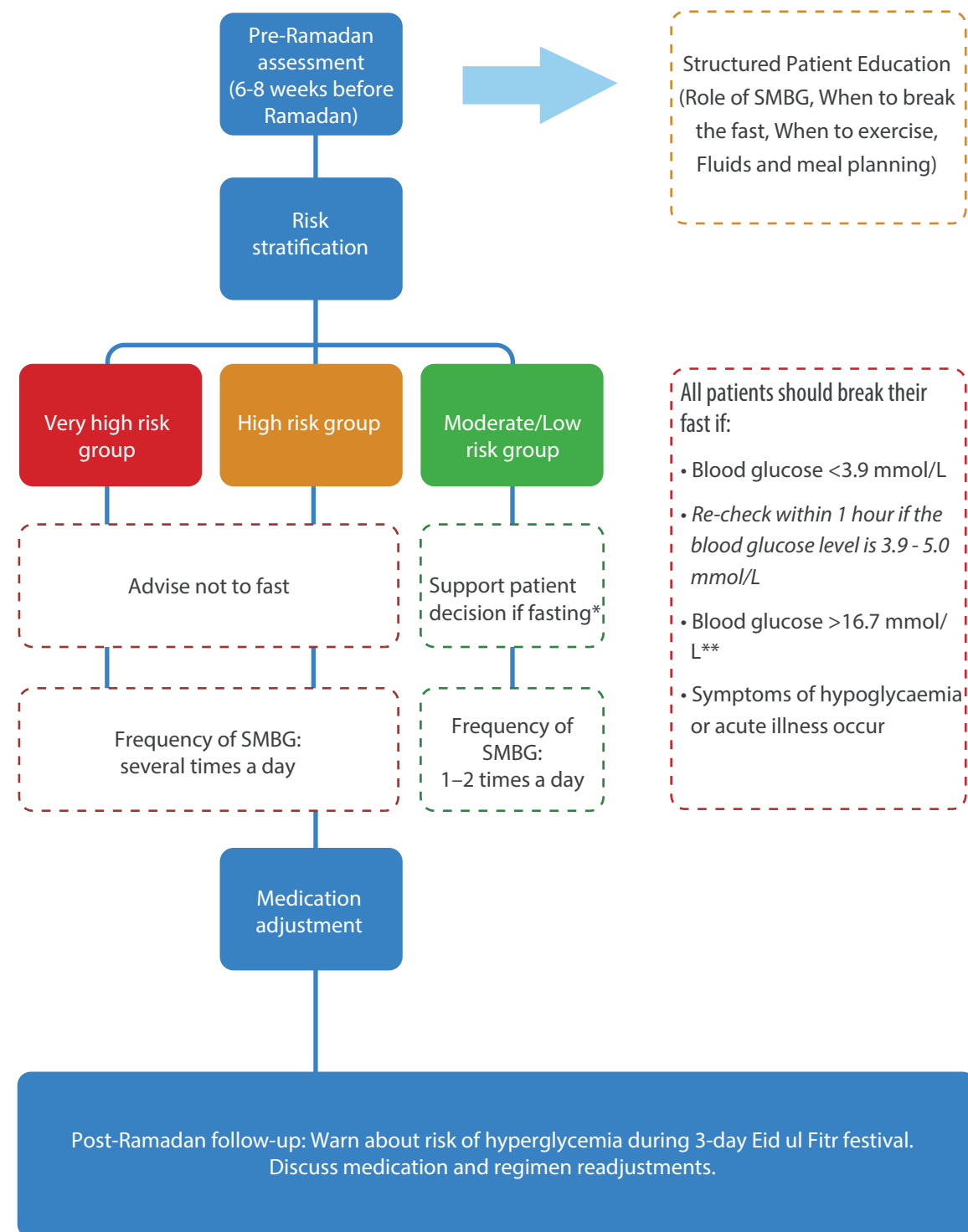


Summary: Management algorithm



*Decision to fast based on medical opinion and ability of the individual to tolerate fast
**Consider individualisation of care

MANAGEMENT OF DIABETES DURING RAMADAN

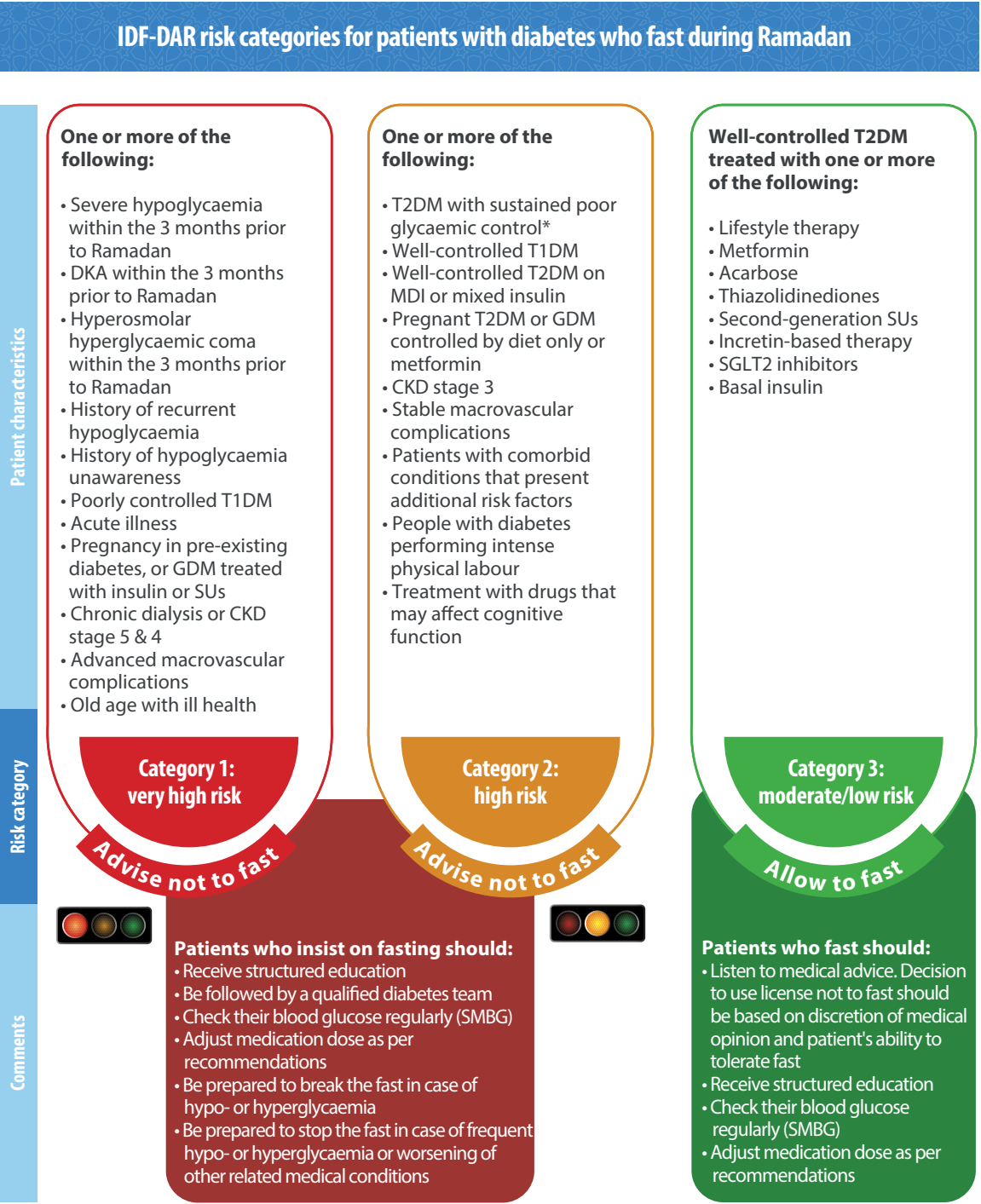
QUICK REFERENCE GUIDE



This Quick Reference Guide provides key messages and a summary of the Practical Guide to Diabetes Management in Ramadan. Details of the evidence supporting these recommendations can be found in the Practical Guidelines, available on the following website: <http://www.idf.org/news/idf-dar-diabetes-in-ramadan-guidelines>

Stratification of risks associated with fasting

During Ramadan, the risk of events such as hypoglycaemia and hyperglycaemia is increased due to fasting in patients with diabetes. It is important to quantify and stratify the risk of each patient to provide best possible care.



Medication adjustment for people with diabetes

Adjustments to the dose, timing or the type of medication are needed to minimize the risk during fasting.

| Oral anti-diabetic drugs (OADs) | |
|--|---|
| Metformin <ul style="list-style-type: none">1 Time daily dosing: No dose modification. To be taken at iftar (evening meal at sunset)2 Times daily dosing: No dose modification3 Times daily dosing: Afternoon dose should be combined with dose taken at iftar. Morning dose to be taken before suhoor (pre-dawn meal before fasting begins at sunrise)Prolonged-release metformin: No dose modification | Short-acting insulin secretagogue <ul style="list-style-type: none">Three-meal dosing may be reduced or redistributed to two doses during Ramadan according to meal size |
| Acarbose <ul style="list-style-type: none">No dose modifications requiredTo be taken at iftar | Sulphonylureas (SUs) <ul style="list-style-type: none">1 Time daily dosing: In patients with well-controlled BG levels the dose may be reduced2 Times daily dosing: No dose modification. In patients with well-controlled BG levels, the suhoor dose should be reducedOlder drugs in the drug class: Older drugs (e.g. glibenclamide) carry a higher risk of hypoglycaemia and should be avoided. Second-generation SUs (glicazide, glimepiride) should be used in preference |
| Thiazolidinediones (TZDs) <ul style="list-style-type: none">No dose modification is requiredDoses can be taken with iftar or suhoor | Sodium-glucose co-transporter-2 (SGLT2) inhibitor <ul style="list-style-type: none">To be used with caution in some patientsDuring Ramadan no dose adjustment is required and it is advised that the dose be taken with iftar |
| Incretin –based therapies | |
| <ul style="list-style-type: none">Incretin-based therapies are associated with a lower risk of hypoglycaemia and may be preferable for use during Ramadan. | Glucagon-like peptide-1 receptor agonists (GLP-1 RAs) <ul style="list-style-type: none">As long as GLP-1 RAs have been appropriately dose-titrated prior to Ramadan (6 weeks before), no further treatment modifications are required. |
| Dipeptidyl peptidase-4 (DPP-4) inhibitors <ul style="list-style-type: none">No dose modification | |
| Insulin | |
| Long/intermediate -acting (basal) insulin <ul style="list-style-type: none">Reduce dose by 15–30%.To be taken at iftar | Short-acting insulin <ul style="list-style-type: none">Normal dose at iftarLunch-time dose to be omittedSuhoor dose to be reduced by 25–50% |
| | Premixed insulin <ul style="list-style-type: none">1 Time daily: Normal dose to be taken at iftar2 Times daily: Normal dose to be taken at iftar, Suhoor dose to be reduced by 25–50%3 Times daily: Afternoon dose dose to be omitted. Iftar & suhoor doses should be adjusted. Dose titration to be carried out every 3 days |
| | Insulin pump <ul style="list-style-type: none">Basal rate: Dose to be reduced by 20–40% in the last 3–4 hours of fasting. Dose to be increased by 0–30% early after iftarBolus rate: Normal carbohydrate counting and insulin sensitivity principles apply |

*The level of glycaemic control is to be agreed upon between doctor and patient according to a multitude of factors
DKA: Diabetic ketoacidosis; T1DM: Type 1 diabetes mellitus; GDM: Gestational diabetes mellitus; SUs: Sulphonylureas; CKD: Chronic kidney disease; T2DM: Type 2 diabetes mellitus; MDI: multiple daily insulin; SGLT-2: Sodium-glucose co-transporter 2; SMBG: Self monitoring of blood glucose