



Ramadan Planner









What is Ramadan?

Ramadan is a holy month in which muslims observe fasting between the hours of sunrise and sunset. The abstain from food, drink and medication. Yes, not even water. Fasting is one of the five pillars of Islam.

When is Ramadan?

Ramadan in 2023 will run from on or around 22 March for 29 or 30 days, ending with Eid al-Fitr, a religious holiday celebrated by Muslims worldwide (1). Islam follows a lunar calendar and occurs approximately 10 days earlier each year. Fasting time is longer during the summer in the northern hemisphere. During this time, people will generally eat two meals a day: one before sunrise (Suhoor) and one after sunset (Iftar)

Who should fast during Ramadan?

All healthy Muslims who have reached puberty. Exemptions apply for elderly, children, the infirm, and pregnant women (2)
The Epidemiology of Diabetes and Ramadan (EPIDIAR) survey of over 12,000 people with diabetes in 13 Islamic countries, indicated that approximately 79% of people with T2D fast during Ramadan (3) thus a cornerstone of managing diabetes during Ramadan is patient education, which should include information on risks, glucose monitoring, nutrition, exercise and medication (2,5)



Risks



- O Hyperglycaemia
- Hypoglycaemia
- Dehydration -leading to thrombosis 🕂

When to break the fast



- Re-check within 1 hour if blood glucose is between 3.9-5.0 mmol/L
- Symptoms of hypoglycaemia,
 hyperglycaemia, dehydration or acute
 illness occur

Structured education should include

- Risk quantification
- The role of SMBG
- · When to break the fast
- When to exercise
- Fluids and meal planning
- Medication adjustments during fasting

RECOMMENDED MEDICATION CHANGES DURING RAMADAN FOR ADULTS WITH TYPE 2 DIABETES (2.5)

Prior to Ramadan

Metformin

- 1. Once daily
- 2. Twice daily

SGLT2i

GLP1RA

TZD

1. Once daily

2. Twice daily

- 3. Thrice daily
- 4. S/R formulation

During Ramadan

No change in daily dose

- 1. Usual dose at iftar
- 2. Usual dose at iftar and sahoor
- 3. Combine lunchtime dose at iftar and take sahoor dose as normal $\,$

Take usual dose with iftar- counsel on maintaining good hydration

4. Take at Iftar

Unless you are confident on managing insulin doses in the context of fastingseek specialist advice Patients on >3 meds are at higher risk of hypoglycaemia (especially if on insulin or SU)



Needs to taken 30 mins prior to food, drink or medication. Take at Iftaar time with small amount of water then then wait 30 min while taking part in the Maghrib prayer and eat

DPP4i

No dose change is usually required, should be established on a tolerated dose prior to Ramadan. If not tolerated either reduce dose or stop especially nausea and vomiting.

No dose change is usually required however regimen should be well established prior to Ramadan.

No dose adjustment is usually required

No dose adjustment is usually required. Can be taken with either sahoor or iftar, preferably the larger meal.

Takes 10-12 weeks for maximal effect therefore consider starting a few week prior to Ramadan.

Divide daily calories between Suhoor and Iftar,

35% fat (preferably mono- and polyunsaturated).

45-50% carbohydrate (ideally unrefined carbohydrates),

Consider substituting, reducing dose or stopping

- 1. Take usual dose with iftar
- 2. Usual dose at iftar and reduce suhoor dose by 50%

Exercise

Avoid vigorous exercise (increased risk of hypos and dehydration), especially in the hours just before sunset

Risk Stratification (2)

There are many risk stratification tools available (1) The IDF tool, considers various factors that influences fasting & associated risks, with the resulting score providing a overall risk level



High Risk-very high risk of developing complications
*Recommended that these individuals do not fast
*Still insist on fasting the utmost care & monitoring should be
provided alongside the strategies & recommendations

Moderate Risk-*Recommended that do not fast
*Still insist on fasting need to be aware of techniques &
strategies to decrease risk

Low Risk-Discuss techniques & strategies to minimise risks

Plenty of fruit, vegetables and salads,
Minimise foods that are high in saturated fats, e.g. ghee, samosas,
pakoras. Use small amounts of oil when cooking, e.g. olive, rapeseed.
Avaid sugary desserts

plus 1-2 snacks if necessary.

20-30% protein,

Ensure meals are well balanced:

Keep hydrated between sunset and sunrise by drinking water or other non-sweetened beverages. Avoid caf-feinated and sweetened drinks.

Include low glycaemic index, high-fibre foods that release energy

slowly before and after fasting, e.g. granary bread, beans, rice.

Dietary Advice (2,4,5)

References

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