Natural Low GI Fruit Sugar

Understanding The Malaysian Diet

3.1 Identifying the Carbohydrate Family

The Malaysian diet has a high proportion of carbohydrate intake.

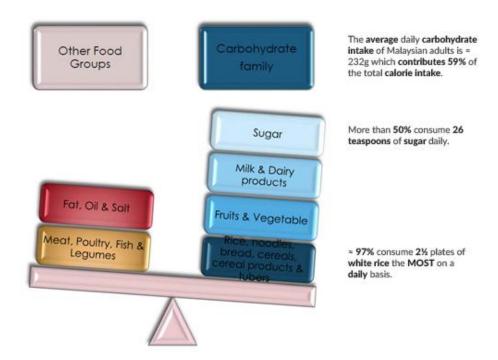


Figure 3.1

The Weightage of the Carbohydrate Family against Other Food Groups based on the Malaysian Food Pyramid (Refer to Appendix A at the References section for a better understanding)

Carbohydrate quantity and quality is important	►	Risk of Diabetes
	►	Weight management
intakes of carbohydrate staples (rice, noodles, steamed bread and bread)	=	A risk of diabetes especially Asian populations *7,22

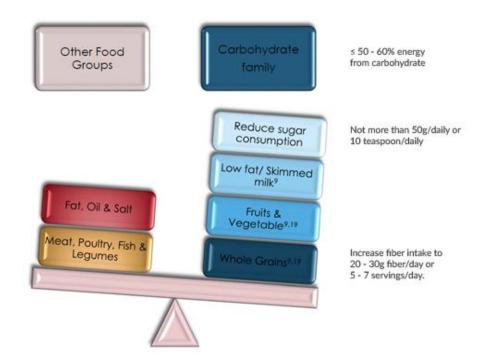
Studies reported consumption of *17

White rice	Brown rice	
≥ 5 servings per week 17% risk of diabetes	≥ 2 servings per week 11% ▼ risk of diabetes	
Switching from 50g/day of white rice to whole grains, 36% ▼ risk of diabetes		

Management of diabetes and obesity Monitor & choose healthier carbohydrates

3.2 Make Your Carbs Count in the Prevention & Management of Diabesity

The Ministry of Health (MOH) recommends



1.Increase Fiber; Whole Grain, Fruits and Vegetables

Whole grain consumption; > 2 serving/day, **7** 21% risk of diabetes *3

Evidence from the **Mediterranean diet**; high in whole grains, fruits & vegetables, nuts, and lower intake of red meat reported a **20%-58% protection** against **diabetes** *12,13

- **weight** *3,14
- fasting blood glucose *4,14
- 🔻 insulin level *14
- risk of hyperglycaemia (high blood glucose) *4,8

2. The use of glycaemic index (GI) and load (GL) of foods may provide additional benefit in regulating blood glucose level. *2,6,8,9

(Refer to the next section, Choosing Carbohydrates with Glycaemic Index (GI) for a better understanding) Whole grains are high in dietary fibre, resistant starch, and oligosaccharides 8 which constitutes a lower glycaemic index (GI).*1,24

*9

Evidence of Low GI Studies with Beneficial Results Rice + soybean & Multigrain rice vs. White rice *1

≈6280kJ + ≤ 30% energy from fat vs. ≈6280kJ + 3 servings Medium & 1 High GL5

- **weight** *1,20
- fasting blood glucose *1
- **The set of the set of**

(▼ 1% HbA1c = ▼ risk of complications by 21%) *16 Improved lipid profile (total cholesterol & LDL cholesterol) *20

3.Reduce sugar consumption

Limit sugary foods and drinks

Opt for different types of sweeteners: Sweeter than normal sugar hence, vintake of sugar Natural/nutritive sweetener; i.e. fructose or sugar alcohol Artificial/non-nutritive sweetener; i.e. aspartame, Stevia

In a nutshell a healthier diet should incorporate

- Whole grains
- Fruits & vegetables
- 🔺 Fibre
- Low glycaemic index
- V Sugar intake