'Rice and fall' of different grains

Up with whole grains and down with white rice, as
Singapore wages war against diabetes, reports Joyce Teo

White rice is very much in the news these days, after a report on how regular bast raises the risk of diabetes.

The quality of a person's diet can be improved by replacing refined or grains, says the Height Promotion Board (1979).

According to the 2010 National Nutrition Survey, 32 per cent of from careboylarisets, with the same survey also showed that with the same survey also showed that singapore are survey as a censure that their overall diet is blanced.

The quality of a person's diet can be improved by replacing refined examples such as rate and mondles than from sweet drinks, said the Height Promotion Board (1979).

According to the 2010 National Nutrition Survey, 32 per cent of some care of the province of the commonly found to the province of the commonly found to the producing cells of the pancreas which, in turn, leads to the content of noodles next.



We encourage (patients) to try brown rice or mix some brown rice or other grains such as quinoa or oats with the white rice to increase the fibre content.

MS LYNETTE GOH, senior dietitian, National Healthcare Group Polyclinics

White rice (left) White rice (left) or polished rice is milled to remove the hull, bran and germ. PHOTOS: LIM SIN THAL ST FILE



Quinoa (left) and millet are whole grains, like unpolished rice. Like rice, they contain bran, germ and endosperm, said a Health Promotion Board spokes-

When rice is refined, the bran and the germ are removed, leaving only the soft white endosperm, he

aid.

The endosperm contains starchy carbohydrates, proteins and small amounts of vitamins and minerals, proteins and small amounts of vitamins and minerals. "By removing the bran and germ, while rice contains more calories for the same weight of its whole grain counterpart," he added. "Conversely, quiena or milet counterpart, be added. "Conversely, quiena or milet counterpart, between the counterpart, between the counterpart, but the counterpart of the counterpart, but the counterpart of the counterpart, but the counterpart of the cou

This is rice that is milled to remove the hull, bran and germ. Long-grain Thai white rice is the most popular type of rice eaten in Singapore.

type of tice eaten in Singapore. Apart from the processing, the length of a rice grain, whether it is long, medium or short, also has an impact onne's blood sugar level. However, the same processing level of the same pr

Japanese and Korean cuisine.

Ms Reutens said diabetics should
avoid this type of rice as the grains
are digested quickly, cossing a spike in blood glucose level.

Medium-grain rice has a longer kernel than short-grain rice, and can be used in puddings and des-serts. The grains also tend to clin together after cooking. The GI is lower than for short-grain rice, said Ms Reutens.

BROWHRICE
Brown rice (right) is whole grain free.
Only its husk or the outer hull, and not its bran layer and germ, is removed.
Grant free the germ contain important anticadants, B vitenins, minerals and fibre.
"Brown rice is healthier in terms of its higher fibre, vitamin and mineral content." said MR Reutens.
Replacing a linke as 30 per cent of the properties of the p

diabetes, said the HPB. nutrient absorption.

Whole grain rice comes in a variety of colours, including brown, shown that the intake of phytates

White rice usually has a high GI.

Brown rice can have a medium of high GI, red rice has a medium of carried to the state of minerals a scachading to the state of minerals are carefully in the sense of the state of minerals can be a scale of the sense of the sense

red, purple or black. in our diet is minimal and does not White rice usually has a high GL. affect the body's intake of minerals



PARBOILED RICE AND OTHER RICE TYPES

include glutinous rice, a short-grain rice that is extremely sticky when cooked. It is often used to make rice. It is lower in calories than white or brown rice but has a high GI score of 98, said MG Coh.

Basmati rice, a long-grain aromatic leading in the long-rice was recorded as the source of 98, said MG Coh.



CONTACTUS
Digitals 6319-2199 bag@sph.com.sg, stdled@sph.com.sg
Ad sales. Judy Tan 9739-8860, Royston Thong 9138-7576,
Priscilla Ng 998-0033, Grace Chau 9627-9210, Quoke Hui Nee 9789-6475,
Reginald Ho 9184-6350, Sherlyn 504 9827-4547, Alan Lew 9737-0373,
Jaanne Chealt 9711-1434 Direct Ad Salest Friancis (96 9620-1356

What's inside

White rice: 280

Red rice: 246

Black rice: 268 Parboiled rice: 355

Basmati rice: 242

Glutinous rice: 194

Source: Jaclyn Reutens, dietitian, Aptima Nutrition & Sports Consultants

White rice: 78

Brown rice: 65-80 Parboiled rice: 38

Basmati rice: 58-65

Glutinous rice: 98