The Association between Dietary Patterns and Cardiovascular Disease or

2 Kidney Function

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5 Outline

6 1. Introduction

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- 7 2. Association of Dietary Pattern with Cardiovascular Risk Factors among Postmenopausal
- 8 Women in Taiwan: A Cross-Sectional Study from 2001 to 2015
- 9 3. Association between Dietary Patterns and Kidney Function Parameters in Adults with
- 10 Metabolic Syndrome: A Cross-Sectional Study
- 11 4. Conclusion

12 Abstract

13 This report examines the association between dietary patterns and cardiovascular risk factors, as well as kidney function, among individuals with metabolic syndrome and 14 postmenopausal women, to understand the impact of diet on these health indicators. The first 15 study focused on 5,689 postmenopausal women over 45 years old, using binary logistic 16 17 regression analysis to explore the association between dietary patterns and changes in cardiovascular risk factors. Results indicated that subjects following a dietary pattern high in 18 processed foods, rice and flour products, organ meats, and sauces had higher levels of 19 triglycerides (OR = 1.38, 95% CI 1.17-1.62), systolic blood pressure (OR = 1.29, 95% CI 20 21 1.08-1.53), diastolic blood pressure (OR = 1.28, 95% CI 1.01-1.62), atherogenic index of 22 plasma (OR = 1.26, 95% CI 1.06–1.49), and fasting blood glucose (Q3: OR = 1.45, 95% CI 23 1.07–1.97), with no significant association with total cholesterol, high-density lipoprotein cholesterol, or C-reactive protein. The second study examined 56,476 individuals with 24 25 metabolic syndrome, using multiple linear regression analysis to assess the relationship 26 between dietary patterns and kidney function indicators. The findings showed that dietary 27 patterns high in sweets, processed foods, and animal products were positively associated with 28 blood urea nitrogen, creatinine, and uric acid levels, while negatively associated with estimated 29 glomerular filtration rate. In summary, a diet high in processed foods is associated with 30 increased cardiovascular risk factors and declining kidney function, potentially raising the incidence of cardiovascular disease and kidney disease. Longitudinal studies are recommended 31 32 to verify the causal relationship between dietary patterns and these diseases.

1 参考文獻

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