

中文題目：應用糖尿病共照網於精神專科醫院治療門診糖尿病病人之成效評估

英文題目：The Effectiveness of Treatment of Diabetes with Diabetes Shared Care

Program for Outpatients in A Psychiatric center

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Background: Mental illness, such as schizophrenia, is associated with increased risk for type 2 diabetes mellitus. Diabetes Shared-Care Program (DSCP) has been utilized for more than 20 years in Taiwan, and improvement in diabetes management quality was noted. However, DSCP has not been implemented yet in psychiatric center in Taiwan. In this study, we provided DSCP for diabetes care in a psychiatric center, and we analyzed the change of HbA1c level after our structured care program.

Method: DSCP was adapted in a psychiatric center since Jan 2019. Integrated diabetes care with an endocrinologist, nurses, and dietitians was established. Generalized estimating equations (GEE) was used to analyze the change of HbA1c level of outpatients with mental illness before and after intervention. Statistical analyses were conducted using SAS 9.4. $P < 0.05$ was considered to be significant. The study was approved by the institutional review board of Tsaotun psychiatric center for medical ethics.

Result: After DSCP intervention in 2019, significant decrease of HbA1c was noted in the fourth quarter of the year, which was not found in 2018.

Conclusion: Our study revealed improvement in quality of diabetes care of psychiatric patients. The implementation of DSCP is a novel way to deliver diabetes care services for patients with mental illness.