

Wassakorn Maneenin 2014: Factors Related to Plasma Glucose Level of Non-Insulin-Dependent Diabetes Mellitus Elderly Patients, a Case Study of Diabetes Clinic at Takuapa Hospital, Phangnga Province. Master of Science (Home Economics), Major Field: Home Economics, Department of Home Economics. Thesis Advisor: Associate Professor Siripun Chulakarakangka, M.S. 83 pages.

The objective of this research was to study behavioral risk factors, social risk factors and expressions reaction under stress influence factors that were significantly related to the plasma glucose level of non insulin dependent diabetes mellitus elderly patients. In Pangnga, 150 elderly patients of Takuapa hospital's diabetes clinic were chosen by purposive sampling. The data collection instruments were questionnaires and the historical data of the sample's plasma glucose level on the dates of doctor's appointments. Data analysis was percentile, mean, standard deviation and Pearson product moment correlation.

The result came out that only emotional expression reaction under stress influence has inverse related to glucose level of non insulin dependent diabetes mellitus elderly patients with statistical significance level of .05 ( $r = -0.20$ ). In other words, an diabetes elderly patient who had a positive emotion was likely to have a lower plasma glucose level. Behavioral risk factors included diabetic diet; exercise; self-care; social risk factors included family relationship; self-acceptance; social support and expressions reaction under stress influence included cognition and behavior were not related to plasma blood level at statistical significance of .05 level.

---

Student's signature

---

Thesis Advisor's signature