

THESIS TITLE : ROLE PERCEPTION AND STATE OF DISEASE CONTROL IN
NON-INSULIN DEPENDENT DIABETIC PATIENTS

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ABSTRACT

This descriptive research was designed to study role perception, the state of disease control and the relationship between role perception and state of disease control in the first stage NIDDM patients. The conceptual framework was based on the perception concept and role adaptation in Roy's theory (Roy, 1984 ; Andrew and Roy, 1991). The study sample consisted of 107 persons who had been diagnosed within the last 1-12 months as being in the first stage NIDDM and were currently being treated at the outpatients of the medical department, Khon Kaen Hospital. Data were collected from 15 July to 13 September 1996.

The research instrument consisted of 3 parts. These included the demographic data interview form, the role perception interview form, and measurement of the state of disease control or fructosamine. The role perception interview form was constructed based on the perception concept and role adaptation in Roy's theory. It was validated by experts and its reliability was tested by using Cronbach's alpha coefficient, giving a result of 0.83.

The demographic data were analysed by using frequency and percentages. The fructosamine and role perception data were analysed by using arithmetic means and

standard deviation. The relationship between role perception and state of disease control in the first stage NIDDM patients were analysed by using Pearson's product moment correlation coefficient. The results are as follows :

1. The overall role perception of NIDDM patients was rather good. In particular,

1.1 Chronic patient role perception was rather good.

1.2 Role perception in 5 aspects of NIDDM patients was rather good. The diet control, drug consumption, foot care and general health care role perception were rather good. Only the exercise role perception was rather bad.

2. The arithmetic means of fructosamine level was higher than normal (205-285 umole/l), with a 393.09 umole/l and a standard deviation of 94.97

3. There was a statistically significant negative correlation between the overall role perception and state of disease control which considered from fructosamine levels ($r = -.3196$, $P < .001$).