

3937477 **PHBSM/M** : MAJOR : BIostatistics ; M.Sc. (BIostatistics)

KEY WORDS : QUALITY OF LIFE/END-STAGE RENAL DISEASE/
HEMODIALYSIS/PHYSICAL FUNCTIONING
DOMAIN/PSYCHOLOGICAL DOMAIN/SOCIAL AND
FAMILY SUPPORT DOMAIN/WELL-BEING DOMAIN

JARUNEE JARUENSANGRUNG : DEVELOPMENT ON MEASURING
INSTRUMENT OF THE QUALITY OF LIFE FOR END-STAGE RENAL
DISEASE IN HEMODIALYSIS PATIENTS. THESIS ADVISORS : RAMPAI
SUKSAWASDI NA AYUTHYA, B.S., M.S. M.S.P.H., SWANGJAI PUNGPAK, MD
Dip. Am Board of Ped., D.T. M & H. JUNYA PATTARAARCHACHAI Sc.D.
168p. ISBN 974-663-427-5.

The purposes of this study are to construct a measuring instrument, and describe and examine factors related to the quality of life for end-stage renal disease in hemodialysis patients. The initial questionnaire consisted of 72 items on quality of life and was tested at the Hemodialysis Unit of Rajvithi Hospital. After the pre-test, items were dropped and adjusted accordingly. Only 43 items were selected for the study. The target population of this research were 182 end-stage renal disease patients with hemodialysis at Song Hospital from April to June 1999.

Results from factor analysis showed that four factors accounted for 39.05 percent of variance explanation. These four factors were physical functioning domain, psychological domain, social and family support domain, and well-being domain. Thirty six items were included in these four factors with the value of Cronbach's alpha of 0.8718. After factor scores from these four domains on the quality of life were computed, the mean scores of quality of life were compared among different groups in terms of expense, education and comorbidity of hypertension by MANOVA.

This analysis indicated education, expense and comorbidity of hypertension were related to the quality of life. In addition, the results also showed that mean scores quality of life were higher in higher educated patients ($P=0.048$), in the hemodialysis group with lower expense ($P=0.036$) and in the group with no comorbidity of hypertension ($P=0.03$).