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THE REPORTED OUALITY OF LIFE, MESELECTED

DY DIALYSIS PATIENTS

A THESIS

PARTIAL FULFILLMENT OF/THE REQUIREMENTS FOR THE DEGREE OF

MASTER OF NURSING FACULTY OF NURSING

> . EDMONTON, ALBERTA

SPRINC 1096

SPRING 1986

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. ISBN 0-315-30126-0 THE ANE FORMULA

Selected Home In-modialisis Patients

DE REEL Master of Sursing

NEAR THIS DEGREE GRANTED 1986

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THE UNIVERSITY OF ALBERTA

FACULTY OF GRADUATE STUDIES AND RESEARCH

The undersigned certify that they have read, and recommend to the Faculty of Graduate Studies and Research for acceptance, a thesis entitled "The Reported Quality of Life of Selected Home Hemodiatysis Patients" submatted by Anita E. Molzahn in partial fulfillment of the requirements for the degree of Master of Nursing.

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(Supervisor) لا . ľ,

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This thesis is dedicated to my busband, logel scittle its knowledge and understanding of quality of life bas grown, as has mine, in the preparation of this

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The Reported Quality of Life of Selected Home Hemodialys's Patients

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Abstract

envert regarding tim gua to it iste of patients a consistation of instrumed since improved instrumentes and treat more communications and these patients. The purpose of the present rad, we to describe the second quality of life of selected borne general gives patients who must be for of the Aristotelian Thomistic philosophical theory of the poind life fix interpret by Mortimer Adler (1965, 1970, 1971, 1984).

For the purpose of the study, quality of life was defined as the policies in happiness in the ethical sense. In order to attain happiness, 3d er date, 1997, 1981, 1984; states that every human being requires seven types of real goods goods of the body, goods of the mind, goods of character, goods of personal association, economic goods, social goods, and political goods. These goods must be possessed and enjoyed in the right order and proportion, and appropriate means must be used to attain them, if the ultimate good of happiness is to be attained.

The following research questions were answered in the study. What types of real goods do selected home hemodialysis patients possess? Of what types of real goods are the patients privated? What instrumental means are involved in the acquisition of each type of real good? Of what instrumental means are the patients privated? What is the importance placed by the patients on each type of real good? What is the proportion of time spent by the patients in attaining and enjoying each type of real good? Semi-structured interviews, using an interview guide, and card sort tasks were conducted. Ten home hemodialysis patients were interviewed on three occasions, seven on two occasions, and one on one occasion.

"Content analysis of the data was carried out in light of the Aristotelian-

is the first of the major categories of major categories of instrumental model, the categories of prevation of the real goods and instrumental model to the real clock were established. The patients' statements about their present making of life were segmented into analytical units, according to the constituted and of analysis, and distributed over the established categories and subveting ties of possession and privation of the real goods and instrumental model poods of character, goods of personal association, social goods, political goods, and economic goods. The major categories of instrumental means were physiological, mental, social, economic, and environmental.

The following conclusions were based on the investigator's interpretation of the patient's reports, in light of the Aristotelian-Thomistic philosophical theory of the good life, and a few observations made by the investigator. It was concluded that at least half of the patients suffered some privation of the following types of real goods some of the goods of the body (health and vigor), some of the goods of the mind (spirituality and pleasurable feelings), a political good (freedom of action), and an economic good (free time). Most of the patients possessed the remaining types of real goods.

The most common instrumental means that the patients seemed to possess included a mental means (attitudes and approaches) and a social means (receiving help). The means, of which some of the patients seemed to be privated, included some of the physiological means (rest and sleep, and state of health), the economic means (wealth, work, and free time), and environmental means. It papeared from the patients' reports that some instrumental means that seemed to be adequate, in that they resulted in the attainment of a real good, were inadequate in terms of attaining a good life. Such means included dialysis treatment, medications, and work.

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is by In relationate the importance of the real goods to the patients, it appeared that produced personal association where of greatest importance and the external peods (social, political, and economic goods) where of the ast importance.

Datenots did not increased in spend the most time in attaining and encoured the real goods that were of greatest importance to them. Generally, they see medit is press the most time in attaining and engroup goods of personal association and product is intre-mond.

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pratetol v agent e edge the beig and support of the thesis committee. Orture of out the chairman provided engoing guidance and support. It particular, ter assistance in conceptualizing quality of life and on developing the categorization scheme was invaluable. Or, there Simmons was able to provide to invight only philosophical principles and questions and helped me to clarify the intinitions and aspects of the conceptualization. Or, John Dosseter posed clinical to questions that led to the development of the research proposal.

The support and encouragement of my husband, family, colleagues, and friends were invaluable. I am very grateful to the ten patients who so freely gave of their time and openly responded to my questions. As well, I am appreciative of the cooperation I received, in the conduct of my study, from the medical, nursing, and administrative staff of the institution in which the study was conducted.

4

Last but not least, I gratefully acknowledge the financial support provided by the National Health and Research Development Program (NHKDP), Health and Welfare Canada, and the Alberta Foundation for Nursing Research (AFNR). It should be noted that these funding bodies (AFNR, NHRDP) do not necessarily support any views or findings presented in this thesis.

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Description Page

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ی مربع پر سوب - Background of the Problem

Since the introduction of chronic hemodialissis in 1962, the lives of many individuals with end stage recal disease have been prolonged. Initially, resources where very limited and only a few medically and socially acceptable candid#exwhre selected for treatment if ox & Swazey, 1974. With increasing technological pd human and monetary resources, essectially all persons requiring dialysis treatment are now being offered it.

Hemodialvsis is a treatment whereby blood is passed through an artificial kidney in order to remove wastes, toxins, and excessified. Two needles are inserted into a surgically created blood access and are used for the removal and return of blood. The treatment generally takes four to six hours to complete and is carried out three times weekly. It may be conducted in the hospital setting or at home with the assistance of a family member or paid helper. The individual with renal failure and receiving dialysis treatment must adhere to a strict dietary and medical regimen. Although dialysis patients are prone to develop a number of secondary complications, their life expectancies have increased dramatically.

Statistics obtained from the Canadian Renal Failure Register (1982) indicate that in Canada, at the end of 1981, 5719 patients were receiving care for chronic renal failure (p. 7). Of these, 3354 were receiving some form of dialysis treatment; the remainder had had renal transplants. New patients had entered treatment programs for end stage renal failure at a rate of 48.2 per million of population. Of these new patients, 25 % were over 65 years of age. It is also of interest that the second most common cause of renal failure (after glomerulonephritis), accounting for 16 % of the affected population, was found to be diabetes. Both the elderly individual and the diabetic were at one time denied

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Dialesis treatment from Services, 1-74. Indas, however, quarts of the issues surround treatment of these groups of people. Annals, 1980, Rart, 1980, and Healt care, workers have tecome concerned about, not nois maintaining life, but also enhancing quality of life.

Statement of the Problem

The concept, quality of life, has a number of different connotations. The terms "rehabilitation", "adjustment", and "adaptation" have been used as synonyms for quality of life. Definitions of quality of life are diverse. Difficulties exist in measuring that which the concept denotes. State of healty, self-esteem, hope, family interaction, social relations, and work situation have all been used as measures reflecting quality of life (George & Bearon, 1980). As vet, no researcher in the health care field has comprehensively defined, measured, or studied quality of life.

Philosophy provides a way to consider quality of life issues. Mortimer Adler, a contemporary Aristotelian-Thomistic philosopher, points out that the primary and controlling question of human life is: "What ought a man to do in order to make his life really good?" (1971, p. 19). In his writings (1941, 1971, 1978, 1981," 1984, 1985), Adler describes the Aristotelian-Thomistic philosophical theory of the good life. Seven types of real goods (constitutive means) comprise the good life: goods of the body, goods of the mind, goods of character, goods of personal association, social goods, economic goods, and political goods. Acquisition of the first three types of goods is largely within the control of the individual; acquisition of the latter four types of goods is dependent on societal influences on the circumstances of the individual's life. In order to attain a life that is really good, it is necessary that all the goods be acquired and enjoyed in the right order and proportion. The instrumental means used to attain each good are also of

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Purpose of the Study The purpose of the study was to describe the reported current quality of the of selected home hemodialysis patients in light of the Aristotelian Thomistic philosophical theory of the good life.

Research Questions

- 1. What types of real goods (constitutive means) do selected home hemodialysis
- patients possess?

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- 2. Of what types of real goods are the patients privated?
- 3. What instrumental means are involved in the acquisition of each type of real good.
 - 4. Of what instrumental means are the patients privated?
 - 5. What is the importance placed by the patients on each type of real good?
 - 6. What is the proportion of time spent by the patients in attaining and enjoying each type of real good?

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Definition of Terms

The definitions that follow industry to the were defined to include works in the work of the definition of the work of the second states of the second state

- 1. <u>Obtainty of life</u> is a good life on happiness in the ethical sense. It is the presension and enjoyment of all the real goods in the right order and proportion. The possession and enjoyment of the means to a good life is the measure of quality of life at any one time.
- 2. <u>Meal goods or constitutive means</u> are those goods that most the natural needs of human beings and are necessary for the attainment of a good life.
- 3. Apparent goods are those goods that meet wants rather than needs and are not necessary for a good life.
- 4. <u>Instrumental peans</u> are the actions performed by human beings to obtain the real goods, or the set of circumstances which operate to bring about possession of the real goods:
- 5. <u>Goods of the body</u> are those perfections that relate to a person's bodily condition and functioning, such as health, vitality, vigor, and the pleasures of sense.
- 6. Goods of the mind are those perfections that involve a person's intellect, such as knowledge, understanding, mental abilities,
- 7. <u>Goods of character</u> are a person's moral perfections, such as those of temperance, fortitude, and justice.
- 8. <u>Goods of personal association</u> are possessions in the form of a person's relationships with people, such as friends, family members, and spouses.
- 9. <u>Political goods</u> are those possessions that relate to government and governance of a person, such as political liberty, freedom of action, and protection from harm.

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- equality of opportunity, equality of treasment, and equality of status
- which blood is passed through an artificial kidney in order there in
- body of nitrogeneous wastes and excess fluid. This treatment is conducted in the home with the assistance of a family member or paid.

Significance of the Study for Nursing

helper.

There is some agreement that efforts should be made not only to prolong people's lives but to improve the quality of their lives. The requirements for attaining a good life or quality of life are clearly and comprehensively outlined in the agistotelian-Thomistic philosophical theory of the good life, it was therefore selected for the theoretical framework of the study. One of the requirements for a good life is health. Nurses in a dialysis setting are in an excellent position to help patients with renal failure enhance the quality of their lives through the improvement of their health. It is hoped that this study of some home hemodialysis patients' current possession or privation of the types of real goods comprising a good life and the means involved in acquiring the goods will suggest future areas for study that will ultimately lead to a better understanding of what nursing care may be necessary to improve the health and, thus, the quality of life of patients with renal failure or home dialysis. Summary Patients with end stage renal disease in some removalissis under a numericus disruptions to the clives, and of isomericant to determine the impact of the liness and treatment on their quality of 1.46, isomerice, for various reasons, inseptual and methodological, there is a lack of a suitable measure of quality of the line this study, research questions regarding the reported current qualities of the of selected home hemodialises patients where formulated, in light of the Aristocelian Thomistic philosophical theory of the good life. This approach was selected hecause it allows for a comprehensive conceptualization of quality of life.

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Psychosocial Aspects of Treatment for Renal Failure

Psychosocial Stressors

The technology of renal failure treatment has improved considerably over the last 15 to 20 years. Despite the technological innovations, treatment by dialysis and transplantation is considered to be highly stressful (Czackes & Kaplan De-Hour, 1978; Levy, 1974, Levy, 1977).

Numerous studies have been carried out to identify the stressful aspects of dialysis treatment (Anger, 1975, Baldree, Murphy, & Powers, 1982, Dickerson, 1980; Harris, Hyman, & Wood, 1978, Hastings, 1978; Kravette, 1978). Through the use of a scale, Baldree, Murphy, and Powers (1982) found that the major psychological stressors experienced by the 35 renal failure patients of their study were limitation of fluid intake, uncertainty concerning the future, interference with work, limitation of physical activities, and changes in bodily appearance. In this study, the patients also identified 13 additional stressors not included in the scale: attitude of hospital staff, new hospital staff members, preparation for The transferred of the control of the possibility of the most energy end to be the transferred of the possibility of the most energy end of the possibility of the most energy end of the possibility of the most end of the possibility of the most end of the possibility of the forder of the transferred of the possibility of the forder of the transferred of the possibility of the forder of the transferred of the possibility of the forder of the possibility of the forder of the transferred of the possibility of the forder of the possibility of the

The renal failure patients' perceptions of the intrusiveness of the drafssis innatment and control over it have been thought to be related to the emotional impact of the disease. In one study of 70 drafssis and transplant patients (Devins, Binik, Hutchinson, et al., 1983-84), the patients' perceptions of the intrusiveness of the drafssis treatment and limited control over 11 life dimensions were found to correlate significantly with increased negative and decreased positive mood. In another similar study, perceived control over non-treatment life dimensions was found to be negatively related to depression (Devins, Binik, Hollomby, et al., 1981). It is of interest to note that drafssis and post-transplant patients reported having a similar amount of control over non-treatment life dimensions, and that control over the treatment dimensions was found not to be related to control over life in general.

Sexual problems seem to be common among both men and women suffering from end stage renal disease. In a non-representative survey of 1166 patients, a significant deterioration in sexual functioning, as measured by frequency of sexual intercourse, was demonstrated in both men and women (Levy, 1983). From the study, it was estimated that over 70% of male hemodialysis patients have some difficulty with impotence. Procci (1983) found, in a controlled study of 120 male subjects, that patients with renal disease had substantial deficits in erectile

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Providencia Adaptableci opical and oppression

Psychons al adaptation, more structured or more equipped devices of a second to the equipped of the environment of the envitorm

With chronic renal failure patients, the presence of family and social support has been associated with adaptation. Perceived closeness of the family has been shown to correlate with low anxiety and high self-esteem among renal transplant recipients (Simmons, Klein, & Simmons, 1977). MacElveen (1972) found that social support was associated with high mbrale, adherence to the regimen, and activity of dialysis patients. Dimond (1979), in her study of adaptation, used two measures of adaptation, the Behavior Morale Scale developed by MacElveen (1972) and the sickness impact profile, as well as three measures of support. She demonstrated, in a sample of sh home and incenter bemodialssis patients, that family support was associated with higher morale and fewer changes in social functioning. OBrien (1986), using a structured interview schedule with 63 hemodialssis natients, observed that perceived support of both family members and care givers earningly correlated with compliance to the diet, medication, and treatment repriment. In another study (Harris, Hyman, & Wring, 1962), the following factors marital stitus, presence: of children, ethnicity, ambunt and kind of support, compliance, flocus of control, depression, and desire to live were found to be related to adaptation. The opportunity to verbalize about the dialysis experience was also found to be an important factor in adaptation to dialysis (Kaplan De-Nour & Czackes, 1976).

In one study of adaptation to chronic hemodialysis (Kaplan De-Nour, 1981), . f00 subjects were interviewed, and tested using the following psychological tests the Wechsler-Bellevue Intelligence Test, the Shanan's Sentence Completion Techniques, the Rorschach, and the Rosenweig Tests. They were studied for two years. Significant positive correlations were found between compliance to the died and vocational rehabilitation, between vocational and pocial rehabilitation, and between vocational rehabilitation and sexual potency is male patients. It was also found that vocational rehabilitation could be predicted by intelligence, lack of projection and denial, investment of energy into interpersonal relationships, and use of active coping methods. Furthermore, psychiatric complications, such as depression, suicidal risk, anxiety, and psychoses were successfully predicted. While this study produced striking results, it is impossible to judge the generalizability, of the results since information about certain aspects of the methodology of the study and the reliability and validity of the instruments used was not provided in the report of the study.

Coping has been described as a process that results in ajaptation. The coping patterns of 35 hemodialysis patients were studied by Baldree et al. 1982. using a reliable and content-valid scale. They found that the patients used "problem-oriented coping methods" significantly more than "affective oriented coping methods". The two most common coping methods used by the patients included "being optimistic" and "controlling the situation", whereas the least used coping mechanisms included "putting the problem out of one's mind" and (blaming , someone else". These results were also obtained by Murphy (1982). In another smaller study of 25 patients with Fenal failure, the relationship between $rac{b}{p}$ sychological variables and coping was studied (Hagberg & Malmquist, 1974). The rehabilitated patient, who was thought to "be coping", in contrast to the nonrehabilitated patient, who was thought not to be "coping", was found to be more stable, to have more regular social contacts, and to hold fair expectation of a fast rehabilitation. Again, since the study's methodology and instruments were not described in depth, it is impossible to determine whether the study results are generalizable.

In another study, the coping styles of dialysis patients were related to patient mortality. Harris, Hyman, and Woog (1982), in a descriptive study of 22 incenter hemodialysis patients, using a structured interview schedule, found that the patients who were classified by them as "coping poorly" survived longer than those who were classified by them as "coping adequately". This finding raises the question of the validity of the researchers' classification of the patients in terms of their degree of coping.

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Depression has not only been studied in terms of a variable affecting adaptation but also in terms of an outcome indicating a problem with adaptation. Depression is considered to be common in patients with a chronic illness. The prevalence of moderate to severe depression in patients with chronic renatifiation

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Assistent reported to be between 10 to 40. Holcomb & MacDonald, 1075, Kaplan De Gour, Scattiel, & Laukes, 1968, Lowry & Atcherson, 1979. To one study in which soft-reports were used as a measure of depression (Bonney, Finkelstein, Lytion, Schift, & Steele, 1978, 25.) of the dialysis patients while were studied reported being depressed. Similarly, Rodin et al. (1984) found that more than a quarter of the 85 dialysis patients in their study reported moderate symptories of depression as measured by the Beck Depression Inventory, a self-report measure of the somatic and affective symptoms of depression. This instrument has been found to correlate highly with the clinical diagnosis of depression. Also, in this study, the depressed group of patients could not be distinguished from the non-study, the depressed group of the basis of marital status, sex, educational or professional status, treatment modality, duration of treatment, or social support. It was also observed that the patients in the depressed group tended to be unemployed due to their illness.

Some 'researchers (Burke, 1979; Glassman & Siegel, 1970, Murphy, 1982, Ireischimann & Sand, 1971) have not found an increased incidence of depression among dialysis patients. It has been hypothesized that the finding of a low incidence of depression among such patients might be a result of confounding variables such as denial. However, this hypothesis was not supported in a study conducted by Devins, Binik, Mandin, et al. (1984). Only 3 of the 70 patients in their sample receiving dialysis treatment for renal failure reported that they were depressed. However, the use of defensive denial by the patients was not observed. The authors suggested that many findings of elevated levels of depression in' patients with end stage renal disease are a result of misidentification of uremic symptoms as depressive symptoms.

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Quality of Life

______nceptualization of Quality of Lite

Quality of life as a concept, has recently received a great deal of attention in the literature. The primes indices and indicators have been developed that attempt to measure that which the concept denotes. However, no definition that is consistently used exists, definitions range from descriptions of standards of living and environmental quality to life satisfaction.

Hallgren, Paterson, and Arcand (1983) define quality of life as the "way in which individuals perceive and evaluate their own lives in terms of their purplices and the circumstances in which they find themselves at a certain point in time or life" (p. 5). Atkinson (1979) describes quality of life as a multidimensional concept, of which life satisfaction is one dimension. He suggests that there are numerous other dimensions of which we may not yet be aware. Shaw (1973) mathematically conceptualizes quality of life as QL-NE x (H+S), where QL represents quality of life, NE represents the patient's natural endowment (physical and intellectual), H represents contributions made to the individual by his home and family, and S represents contributions made on his behalf by society. It is therefore conceivable, although hardly possible, that an individual may have no (that is zero) quality of life if he has no actual endowment or is deprived in his environment. George and Bearon (1980) define quality of life in terms of four underlying dimensions: life satisfaction, self-esteem, general health and functional status, and socioeconomic status (p. 6). The authors suggest indices that measure each of these dimensions. Yet other authors proceed with the development of instruments without descriptive or operational definitions of quality of life (Alexander & Willems, 1981; Daughton, Fix, Kass, Bell, & Patel 1982; Spitzer et al., 1981; Tucker, Milkerne, & Ziller, 1982). ⁹It has been suggested

The conceptualization of quality of life has been problematic, particularly in Light of the controversy about the nature, meaning, and definition of the concept, usality of life. Diener 1964 pointed out that some progress has been made in the last decade but that a closer connection must be made between theory and research relating to quality of life. Various theories have been used to explain quality of life and measurement of it varies according to the theory used.

Perhaps the best known study of quality of life is the one that was conducted by Campbell, Converse, and Rodgers in 1976. After reviewing the quality of life literature, Campbell et al. found it necessary to choose between Bradburn's (1969) conceptualization of quality of life as "happiness" and the "satisfaction" approach of Cantril (1965). The satisfaction of needs approach was selected and satisfaction with regard to several domains of life were studied. marriage, family life, health, neighbourhood, friendships, housework, job, life in the United States, city or country, non-work, usefulness of education, standard of living, amount of education, and savings. Satisfaction with a domain of life was seen as dependent on the individual's assessment of various attributes of that domain.

Andrews and Withey (1976) conceptualized quality of life as well being. They conceived two levels of indicators of well-being: global indicators reflecting overall well-being, and specific domain indicators and criteria indicators reflecting well-being in the domains of life. They envisioned a two-dimensional conceptual model with domains of life (e.g., job, family life) on one axis and criteria pertaining to the domains of life (e.g., success, beauty, fun) on the other axis. Global measures were thought to be the combination of domain and criteria measures. However, in 1983, McKennell and Andrews demonstrated that the

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d main measures had to direct impacts end of elital measures or "levas a whole assessments" p. 96.. "Estead, the contribution of the domain measures was found to be ond rect, the subjects' perceptions of the domains of their lives affected the global assessments of their lives.

Liu 1974 considered quality of life to be a concept that varies across the epiace, and individuals. He defined it as the output of two input factors, provide a quantifiable prods, services, and material wealth, and spiritual factors, such as esteem, self-actualization, community belongingness, and material factors of quality of life.

From a review of the philosophical and theoretical literature, Shin and Johnson (1975) developed a model for the study of quality of life in which happiness consisted of the individual's perceptions of his her unique needs and resources in relation to aspects of his her environment or culture. The model was tested empirically with satisfactory results. A multiple correlation score of .60 was obtained when 20 predictors were correlated with the dependent variable, happiness.

Cardus, Fuhrer, and Thrall (1981) derived a model for assessing quality of life from the general theory of benefit-cost analysis. Three categories of benefits were described by them: monetary benefits, direct benefits, and indirect benefits. The authors, realizing that no valid measures of non-monetary benefits exist, suggested that available hard data (number of dollars) be used along with subjective scales for the most accurate assessment of quality of life.

According to Harwood (1976), there are three type of quality of life models: ascriptive, testimonial, and importance. An ascriptive model is based on a selection of indicators by a committee of experts without consultation with the public. One of the most comprehensive ascriptive models was proposed by the

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commission matching in an day 1971. Sign enclose components were losted upder time specific dimensions opplitudal, economics and social medite was losted as a somplement of the social dimension. On a testimonical model, a subjective, individual centered model of quality of life within a measurement framework is used. The models of Sodrews and withes 1976; and Campbell et al. (1976), fall onto this category. Studies have demonstrated the use of what is called an importance model life wood, 1976. In this type of model, the attitudes and values of persons in relation to a set of quality of life components are ranked. In "importance" studies, the ordering of quality of life priorityes has been found to be 1 health, 2: employment and income, and 3: environment, communication, and public safety (Harwood, 1976).

In Harwood's study '1976, a testimonial and an importance model were used along with the Economic Council of Canada's ascriptive model. One hundred and fifty volunteers were used to test the models. Many commonalities were found, among the models in terms of their dimensions: health, freedom, education, leisure, and family. Harwood concluded that a consideration of political and economic factors was basic to an understanding of quality of life. The social component, which included health, was found to be diffuse and difficult to formulate.

The conceptual models that have been described thus far have been used in studies of large groups of people, primarily social and cultural groups, but on the whole, these models have not been used in studies of populations in the health care areas. Also, the unit of analysis for these studies has generally been a group. It seems that it might be more appropriate to consider the individual as the unit of analysis, since, as McCall (1975) suggested, quality of life is something that applies basically to individuals, and subsequently can only be extended to groups through a summative procedure.

"" and different models of quality of the maxe teen developed and used to traith state researchers. For instance, trailgrenter as this classifies a store of somprised of life domensions eight family relationships, social activities communications, population domensions, eight age maintal status, education sociedecommic status, and treatment domensions, eight surprise, radiation, chemotherapy in their study of quality of life of breast cancer patients.

Measurement of Quality of Life

Several approaches have been used to measure experienced quality of ore. Itaditionally, in the medical context, morbidity and mortality have been used an outcome measures. With the increasing interest in quality of life, these measures have been expanded to include physical functioning, psychological condition, and occupational and social rehabilitation. Objective factors, such as the possession and consumption of goods and services, are often used by economists to demonstrate quality of life. However, these indicators do not address subjective assessments of happiness and/or satisfaction as they relate to the life plan of the individual (Bedau, 1982, p. 100). Both objective and subjective measures are necessary for a comprehensive measurement of quality of life. Conceptual izations of quality of life vary widely, and innumerable measures of quality of life or only some facets of it, it is important to understand the true meaning of the concept, quality of life, so that experienced quality of life can be accurately studied.

The avowed happiness of people has been used as a measure of quality of life. However, the concept, happiness, has not been clearly defined. In some studies, it has been identified with feelings of pleasure, that is, the transient psychological state of contentment. Quality of life instruments that assess

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Even the latteress take offer developed to inderry and works, inter-Bradium (inter-clautes been and capped (NTT), and she and jonesses (NTE). Insidewith (inter-clationed happiness) as the extent to which positive feedangs where the negative feedangs, us as the last few weeks of the as the time inform_time. In contrast, Aristotle identified happiness, in an ethical sense, as the short and final people in sought to turn an Beings, indier, 1985.

is at a satisfication is thought to be a distinctly different concept from that of happiness. It has been defined by seerge (1979) as an assessment of the overall condition of a person's life, which is made by comparing a person's aspirations to his ber achievements (p. 210). I ampbell et al. 1976b- used life satisfaction as the theoretical basis of their study of the quality of American life. The quality of life instrument developed by Campbell et al. permits a global assessment of well-being as well as an assessment of satisfaction in certain domains of life. Its stability reliability score has ranged from .42 to .67 on various items, over an eight month period of time. The concurrent validity score of the aspect of the instrument measuring satisfaction in various domains of life has been found 🎦 be .72 in/ relation to the Global Index of Well Being. An interesting finding of this study was that of a close relationship between job satisfaction and general life satisfaction. It should be noted that, although Campbell et al. decided to use life satisfaction rather than happiness as a measure of quality of life, they included several indicators of happiness in their instrument. This inclusion seems to indicate that Campbell et al. were not consistent in their approach to the measurement of quality of life.

Another satisfaction measure, Cantril's self-anchoring scale (1965), consists of a ladder with rungs which depict the best to worst possible life. Individuals identify where they believe they are on the ladder, thereby indirectly reflecting their satisfaction with their lives. The scale was administered repeatedly to

>> models add to the respectations at first access of the sub-entry of the expect of the expectations of the expect of the expectations of the expectations of the expectation of the expect of the expectations of the expectations of the expectation of the expect of the expectations of the expect of the expectations of the expect of the expect of th

Satisfaction with their linear linear isolated of quality of life by estationed, the Flanagan life began isolated of quality of life by estationed, the dimensions of quality of life, using an inductive approach. The collecter i) is classified KGMC critical incidents of positive and negative life experies en-Fifteen quality of life categories were formulated. Flanagae then interviewed is nationally representative sample of people, using abstructured questionnaire based is on the quality of life categories he had formulated. The sample consisted of 1001 people in each of three age categories '30 years, 50 years, and '5 years' Flanagae found that 85' of the subjects reported that their overall quality of life was good or better than good. Therefixes a striking similarity between the responses of people in the three age groups and between the sexes.

In the health care field, numerous health status instruments have been used to measure experienced quality of life. Berg, Hallaus, and Berk (1976) used an indirect approach to develop a health status index. They had 150 health care workers rate 50 items on a scale from zero to ten in terms of their value with regard to the quality and meaningfulness of life. The results indicated that cognitive, emotional, and social functions were rated as being most important by this group. It was suggested that patients' perceptions of the importance of the items may be significantly different from those of health care workers. Ziller (1974) stated: "quality of life is in the eye of the experiencer" (p. 301); this suggests that the individual patient may assess his/her quality of life differently than his/her health care provider. T

had an and build likely devicted a structure reaction at expressed one should be treated and programs on terms of the current of analysis programs build the treatment related (auxility of the offered on a specific program. build the treatment of and scorpton outs were used to determine quarts of were troops. Tright levels of univergent, devergent, and scorptered validity of these instances were demonstrated. The term (investigated to describe a year to instance) were demonstrated. The term (investigated to describe a year to instance) were demonstrated, the term (investigated) was used to describe a year to instance, were demonstrated, the term (investigated) was used to describe a year to instance, were demonstrated, there of destructional symptoms and health related protein such a disease reduced a person's quarks of life by half, 5 Weill Shar was subtracted. The patients undergoing hospital renail dialysis, the estimated cost utility of the treatment was greater than \$50,000 per fixelf years. The authors suggested that consideration of the cost benefit implications of this treatment would create controversy over whether hospital dialysis programs should be tonded.

Sackett and Torrance (1978) took a different approach to the measurement of various health states. They presented subjects with two scenarios concerning health states. In each scenario, the duration of time a certain health state would be experienced was specified. The subjects were asked which scenario they preferred. The time periods that the subjects would remain in each health state were adjusted until the subjects no longer preferred one over another. A unity a score of a health state, based on death as zero and one as perfectly healthy, was calculated. In the study, 29 home dialysis patients and 246 individuals from the general population were studied. While the approach is an interesting one, no attempts were made to establish the statistical reliability and validity of the measufe. Therefore, it is impossible to know whether the instrument is appropriate for use in another study.

Numerous health care researchers have used medical, psychological, or

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studied for energy in stage testween paragraphic and aud to she here in that stage cancer patients, the end one plants in the the expertency and Experiences, and the Reach a company of the second second second nam taapt Parpelee in lete linkt. It period ke seree at in her wheel linger in gevine and the following of the consistence was conserved. Alter up a conservation of a nnasknatile netkatik tv. s. enes 1260 - 142 fignitien Seit Eisteen 🖉 ale 1260 - 1460 fielde po Annents musical and in the province lite less province sales and in testing, the Rosentery Self Estren scale set a considerates in 🕰 👘 concurrent validity score of 100 in Jelation to the coopersmith self-base inventory. The self Esteem scale was found to correlate with direct objection of the patients' self-esteem, the validity scores ranged from 156 to 1651, when in Purpose in-Life Test was compared with the therapist's rating of the patients' purpose in life, a correlation score of only 38 was obtained. Similarly, the validity score for the Anxiety Scale, when compared with a measure of perceived functional effectiveness, was found to be only -.27. These findings suggest that these measures may not be truly measuring what they are purported to measure, and that the study results should be interpreted with caution.

Spitzer et al. (1981) developed a QL-Index which physicians could use to measure the quality of life of cancer patients. The dimensions of activity, daily living, health, support, and outlook were included in the Index. The validity and reliability of the Index were established in studies which included 879 patients with many types of physical disease. An internal consistency reliability score of .775 and an intrarater reliability score of .81 were obtained. Forty-three individuals (patients, relatives, and health professionals) were used to test the content validity of the instrument, and over \$1% agreement was attained on all items. Discriminant validity was demonstrated when high scores were attained by healthy subjects, and low scores by subjects who were seriously ill. Since the interferit #a linus 1 diver to mate tet# een tre # groups of the precise # up periods from appropriate one to use for the cleasurement of guarts of the form clamiter stipatient groups.

Padda et al. Der als developed an entropeet to measure the quality of the fourier patients. The instrument, a self-rating scale, included 14 items incomposition proveral possibility or detern and activities, and personal attitudes indefinities, the correlation scores ranged from 200 to 200. Also, an internal consistency reliability score of 284 was obtained. Its opportent validity in relation to another scale (the Karnofsky physician estimate) was found to be moderate $R^{\frac{1}{2}}$ 200. However, in this case, it was difficult to determine which instrument was not measuring quality of life. The instrument under study was found to discriminate between groups of inpatients, outpatients, and nonpatients. However, the variable reliability of the instrument suggests that the study results must be interpreted with caution.

Hallgren et al. (1983) developed an instrument to assess the quality of life of breast cancer patients by carrying out a factor analysis of 68 indicators of quality of life that they had identified through an analysis of data gathered through patient interviews and a Q-sort. The dimensions of quality of life resulting from the factor analysis and included in their instrument were physical well-being, sexuality and body image, extrapersonal relationships, coping, mother, wife role, personal values, outside activities, self acceptance and acceptance by others, dealing with loss, information and communication, and social activities. When the instrument was tested for its reliability, a reliability score of .867 was obtained. Its face and content validity were established with the assistance of a panel of five experts. A factor analysis demonstrated a relatively high degree of congruence (.374 to .780) among the dimensions. The results indicated that the tina to accer patento in electro adouant treation o exprese el epore (electro necative organico inconcolorizon quante in inc

Carrent Hallt, Muterral and Schering Contract Studie pre-space. It is the instants of a superior strends in the application of the second strends of the other as two reasoned the order effects of the treatments. Contracts study by the contexpression appendix of the application of the second strends of the super-strend appendix of the application of the second strends of contexpression strends of experience application of the.

Several writery advocate the use of measures of functorial status according et lite indexes (Alexander, & Willems, 1981), Claughtre et al., 1982, Clang, Cline A clarson, 10421 , and well known indicator that has been used as a measure of quality of life is the Index of Well Being developed by Kaplan, Bush and China 1976L. In this lodex, functional levels are assessed through scales that measure mobility, physical activity, and social activity. The instrument was tested extensively for its reliability and validity (Kaplan et al., 1976). A parallel forms reliability score of .91 was obtained. Convergent and discriminant validity were established by correlating the Index with the number of chronic illnesses Perferienced by the subjects. A score of -.96 was obtained. As well, the correlation between the number of physician contacts made by the subjects and well-being was found to be .55. While the measures used to validate the index do not truly reflect quality of life, it is likely that no other suitable instruments were available for validation purposes. Unfortunately, the Index only attempts to measure one dimension of quality of life, namely functional status. It should not, therefore, be purported to be a measure of quality of life.

In arthritics, the Lee Index of Functional Capacity has been shown to be sensitive to significant improvements in functional ability (Lee & Kundraik, 1973). Chambers et al. (1982) found that the stability reliability scores ranged from .48 to .70, and the internal consistency scores ranged from .51 to .76 when

available measure of quality of life, since it measures only one dimension of quality of life.

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In an attempt to measure the quality of life of patients with burns, Blades, jones, and Munster (1974) designed a scale to compare pre-and postburn levels of work, dependence, joint function, psychological state, and subjective assessment of quality of life. They found that the patients achieved higher scores one year postburn than preburn. The reliability and validity of the scale were not described by the authors making it impossible to determine the generalizability of their findings.

Studies using both objective and subjective measures of quality of life are increasing in number. Penckoffer and Holm (1984), using Cantril's self-anchoring scale (1965), level of angina, and level of physical activity to measure the quality of life of 34 coronary artery bypass patients, found significant improvements in the quality of life of these patients early in the recovery period following surgery.

In a study of 278 mentally disabled residents of 30 Los Angeles board-andcare homes, quality of life was assessed by examining eight areas of life: living situation, family relationships, social relationships, leisure activities work, finances, personal safety, and health. Questions related to these areas were developed from items of existing quality of life instruments. On testing, the internal consistency reliability scores of the instrument ranged from .74 to .87. The authors recognized the need for further testing of the instrument for stability reliability, inter-rater reliability, and validity. They questioned "what measures truly reflect quality of life" (Lehman, Ward, & Linn, 1982, p. 1273). The study results indicated that the residents were dissatisfied with their finances, unemployment, and personal safety.

guality of Life of Platients with Kenal Flailure

The experienced quality of life of patients receiving treatment for renal tailure has not been satisfactorily studied. Both conceptual and methodological problems abound in existing studies. They and Keichsman 1978 attempted to evaluate the quality of life of 15 incenter bemodialysis patients. After several indepth interviews, the investigators rated each patient's quality of life as good tairf or poor. In this shall sample, only one third of the patients were rated as having a good quality of life. The patients' assessments of their quality of life were not considered. No attempts were made to validate the researchers assessments, so the results must be interpreted with caution.

Jackle (1974) used Cantril's self-anchoring scale to determine the life satisfaction of 30 themodialysis patients. In a ladder type of scale with steps ranging from zero to ten, the dialysis patients, on the average, placed themselves at 5.5, that is, midway between the best and worst possible life. The subjects of a control group, on the average, placed themselves at the 6.6 point of the scale. The most important components of life were found to be health, autonomy, and relationships with others. The reliability and validity of the scale were not discussed in the report of the study, making it difficult to assess the generalizability of the study findings.

Murphy (1982) used a multivariate psychological approach to examine the adjustment and quality of life of 150 chronic hemodialysis patients from nine dialysis units. A series of instruments designed to measure level of stress, coping mechanisms, social functioning, depression, and adjustment were administered to the patients. Murphy's results were similar to those of other researchers: the patients reported that fluid restriction was the most severe stressor, a problemoriented way of coping was the coping mechanism most used by the patients, depression was minimally evident, and the patients were non-compliant in relation t fluid restrictions. Above the study was methodologically sound, it could be durried whether the psychological measures which were used were indeed measuring quality of life. It would appear that only selected aspects of the concept were neasured and that a comprehensive assessment of quality of life was not carried out.

Johnson, McS auley, and Copels (1962) attempted to evaluate comprehensively the quality of life of hemodialysis and transplant patients. Authout the benefit of a conceptual framework, the researchers developed an instrument by combining sub-scales from the works of ampbell et al. (1976b), Bradburn (1909), and Holmes and Rahe (1967). Fifty-nine dialysis and transplant patients were studied. It was found that the renal transplant recipients, in comparison to other Americans, had a normal quality of life. While the hemodialysis patients awaiting their first renal transplant had a near normal quality of life, the hemodialysis patients in whom renal transplants had failed had a substantially lower quality of life. Since the reliability and validity of the developed instrument were not described by the researchers, it is impossible to assess the generalizability of the study results. Also, these results have been refuted (by Binik, Devins et al. (1984) because of the theoretical and methodological issues that threaten the validity of the conclusions.

Findings contrary to those of the Johnson et al. study (1982) were found by Binik, Devins et al. (1984), in two studies with sample sizes of 80 and 70 respectively. Using a large number of measures, namely the McGill Pain Questionnaire, the Beck Depression Inventory, the Self-Esteem Inventory, the Internal-External Locus of Control Scale, the Health Locus of Control Scale, the Hamilton Psychiatric Rating Scale for Depression, the Profile of Mood States, the Affect Balance Scale, the Life Happiness Rating, and other self-ratings of distress, perceived control, and intrusiveness, Binik, Devins et al. found no

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sign ficant differences among dialissis patients, dialiss signations, with a fist ry if providus transplant facture, and patients with functioning renal transplants.

Eaplan De Nour and shahan 1960 also compared the duality of the figdialsky patients and "" patients with functioning renal transplants, completions assessments as well as psychological tests. Recipiach rest, Shahan Sentence completion Technique, and a questionnaire designed to sind or easures of complet behaviour as measures, the researchers found that two thirds of the origin transplant patients were free of psychiatric symptoms as compared to units or third of the dialysis patients. No differences were found between the two groups in the area of social activities, and there was only slightly better vocational rehabilitation among the transplant recipients. Kaplan De-tour and Shahan (1995) suggested that the corticosteroids taken by the renal transplant patients may have been responsible for their greater sense of well-being.

The terms, rehabilitation status, adjustment, and quality of life have been considered as synonymous by some authors. Kutner and (ardenas (1981) used semi-structured interviews, a self-rated satisfaction scale, the Zung depression scale, and 11 tests of cognitive-motor skills to determine the medical, vocational, and psychological rehabilitation of 137 dialysis patients. The patients between the ages of 25 and 34 years were found to have the best overall adjustment. Depression was a problem in patients over 55 and under 25 years of age. In another study of 62 renal transplant recipients, 83.8% of the subjects who participated were considered to be socially and occupationally rehabilitated. However, since the reliability and validity of the survey instrument were not addressed by the researchers, and biased sampling as a result of self-selection might have been a problem in this study, it would be inadvisable to attempt to generalize the findings.

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In a none compresent verstude of renail transplant recipients, Sommon and comparts of the studied the process of social, and emotional well-the np of 200 renail transplant recipients at four priority of time, from pretransplantation to five to none searc posttransplantation. A survey instrument that included well you we scales for measuring self-esteem and depression was used. The reliability and validity of this instrument were reported to be satisfactory, although the test while aution. The modiabetic, long term transplant patients showed high levels of improvement and rehabilitation on multiple dimensions over time. The diabetic transplant patients also demonstrated improvement but generally had more problems than the non-diabetic transplant patients. As well, the patients with fewer economic and family resources and the patients with Cushingnoid features were less well adjusted than the patients without these added problems.

In another study by Kaplan De-Nour (1982), one dimension of quality of life, "social adjustment", was assessed in 102 chronic hemodialysis patients. A questionnaire on leisure activities, that had not been tested for its reliability and validity, was administered. The results indicated that the patients' interest in individual, family, and social activities decreased over time. Nearly 50% of the patients reported that they rarely participated in social leisure activities. It was suggested that these patients might have a better quality of life, if hospital staff helped them to increase their social participation. However, this suggestion is somewhat premature given the preliminary nature of this study and its use of an instrument with unproven reliability and validity.

A modified "time trade-off" technique was used to estimate the perceptions of 42 hemodialysis patients, 17 peritoneal dialysis patients, and 14 transplant patients, with regard to the utility or worth of their health state (Churchill, Morgan, & Torrance, 1984). The patients were presented with two hypothetical reducts of close of the present reactors take for a steture of accepting a source form in a state of full reacts. The shorter time was tree adjusted until a print of equivalence was reached. This point was after the patient could in on per choice between the options. This point was taken to be the utility state, it ranged from 1 for death to 12 for perfect health, when this technique was rested for its reliability and validity, a tectoretext score of 2026 was obtained. A cancorrelation score of 25 between utility state and nephrologists assessment of the patients' quality of life demonstrated the concurrent validity of the measure. To the study, the following mean utility state scores were obtained. 250 for hemodialysis patients, 252 for continuous ambulatory peritoneal dialysis patients, and 26 for renal transplant patients. This measure has significant limitations, its gives a global, although hardly comprehensive, picture of quality of life. Also, factors other than treatment modality need to be addressed in an assessment of quality of life. Furthermore, the relatively low reliability and validity scores of the measure suggest that the findings should be interpreted with caution.

Campbell (1981), a patient with renal failure, developed a conceptual model of quality of life based upon four constructs: general life satisfaction, selfesteem, family cohesion, and social isolation. He designed and used a self report questionnaire comprised of four scales, one for each construct, in a study of 105 patients receiving a variety of treatment modalities for renal failure. Campbell found that greater independence with regard to the treatment regimen, higher socioeconomic status, and higher levels of social integration were associated with a higher perceived quality of life.

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Bonney, Finkelstein, Lytton, Schiff, and Steele (1978) studied survival and quality of life of patients receiving treatment for renal failure. They used an interview approach, the National Kidney Foundation functional classifications, and the Kupfer, Detre System for assessing psychological status. Again, the reliability and values of the measures were not discussed in the report of the study solution on plass fields assess the accuracy and generalizations of the results. The data subjected that here dealways patients have a significantly impaired quality of life. The patients rended to be unemplesed, chattive physically, and moderately depressed. So well, they had symptoms of organic brain dysfunction, numerous physical compliants, and decreased frequency of sexual intercourse. While the recal transplant patients had everall higher levels of functioning, their postdialways levels of functioning were lower than their predialysis levels of functioning.

Rozenbaum, Chaimovitz, and Bearman (1984) measured employment, sexual activity, and physical activity in their study of the quality of life of 106 chronic dialysis patients. They found that only 47% of the patients worked, only 47% of the married patients were sexually active, and only 22% of the patients could engage in normal physical activity. The patients under 60 years of age and those with more than 13 years of education achieved higher scores than younger and less well educated patients. No attempts were made to validate the instrument in this study, so, again, the accuracy and generalizability of the findings cannot be assessed.

Laborde and Powers (1980) compared the life satisfaction of 20 patients undergoing hemodialysis and 20 patients suffering from osteoarthritis. Cantril's self-anchoring scale was used to examine the patients' satisfaction with their past, present, and future lives. While both groups were equally satisfied with their past lives and no significant difference was found with regard to their satisfaction in terms of their future lives, it was interesting to note that the patients receiving treatment with hemodialysis rated their satisfaction with their present lives higher than did the patients with arthritis. The researchers suggested that lack of pain in the hemodialysis patients may have been a significant factor contributing to this difference.

المراجع والمرجع المرجع المرجع الولي المرجع (1996 م. anderen ne dia wsis in transplantation, was assested. Subjective measures in te secondarian on a prime provide the provide the providence and the second of the second in their study of quality of the work used. I to test we exactly a state of each of a construction of the second Rearriers with the second second second of the second temperature and the second reported ability to whom which is not train an objective measure . In respective, the validaty of the anstruments, the correlation scores between pairs of the more subjective measures ranged from 162 to 193 and the correlation scores between the two objective measures was 142. These findings suggest that these measures to not deflect one concept. The reliability of the data was not discussed by the researchers in their study report. In the study, it was found that the patients with renal transplants had the highest quality of life, followed by patients on home hemodialysis. This difference persisted even when demographic variables age sex, race, education, and presence of other illnesses) were controlled statistically. Although the quality of life of the transplant recipients compared favourably with that of a general American population, the patients on dialysis were found not to be working or functioning at the same level as people in the general population.

In summary, the difficulties in measuring experienced quality of life have largely arisen from the lack of a satisfactory theoretical base. The development of a systematic research base is therefore precluded. Unfortunately, often, no distinction has been made among concepts such as happiness, life satisfaction, or morale. Some researchers have used global measures of quality of life, while, others have focused on specific domains of quality of life. Problems relating to the sensitivity of the instruments to change in condition, age, and other variables still exist. In some studies, the unit of analysis was the individual while in others it was the society. As well, there is a distinct possibility that some specific constant of the second plant without the research findings related to duality of the area worth while for entry all without the research findings related to duality of the area worth while for entry all demonstrations are related for the second of the second of the relationship of the second of the second of the second of the second of the relation of the second of the second of the second of the second of the relation of the second of the second of the second of the second of the relation of the second of the

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Theoretical Framework

The Good Life

The concept, quality of life, has been examined from a number of perspectives. A number of scientists, ethicists, and others have proposed criteria for the "good life" or "ideal life". For the purpose of this study, quality of life is defined as the good life or happiness in the ethical sense. The theoretical framework of this study is based on the Aristotelian-Thomistic philosophical theory of the good life. It consists of propositions about the real goods that must be attained and enjoyed in the right order and proportion for a person to have a good life and the instrumental means to such goods. These propositions are those that have been proposed by Adler (1941, 1965, 1971, 1980, 1981, 1984, 1985), a contemporary Aristotelian-Thomistic philosopher. Figure 1 depicts the theoretical framework.

Adler (1971) outlines seven types of real goods (goods of the body, goods of the mind, goods of character, goods of personal association, social goods,

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Adder 21984 modified the following statement made by St. Augustine, "Happy is the man who, in the course of a complete life, attains everything be desires provided he desires nothing amiss" by adding the thought, "also provided that he has the good fortune that bestows upon him other goods which are not entirely within the power of his own free choice" (p.92). In relation to his modification, Adlef cited Aristotle's statement, "Happiness consists in a complete life, lived in accordance with virtue, and accompanied by a moderate possession of external goods" (p.115). In other words, good habits, such as the moral virtues, which are good habits of desiring, are necessary but not sufficient for attaining each of the real goods, and the totality of goods or happiness. Crucial to the attainment of a good life over time are the moral virtues and good luck.

Happiness itself is the ultimate end to be sought by aN human beings. It sconsists of the sum of all the real goods and is not the highest good. It is the ultimate good because it leaves nothing more to be desired. All people have an obligation to seek and pursue a good life because it it a life befitting human

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It is important that the real goods he supplie and encoded in the cost more proand propertion for the attainment of a good life. The order of real pools reference whether the good serves as an end in itself, or only as a means to another real good (i.e. as a mere means). Proportion, in relation to the real goods, refers to the amount of time spent in the attainment and enjoyment of a real good, particularly as it relates to the attainment and enjoyment of another type of real good (Adler, 1981). Adles (1985: stated that all of the real goods are not equally good. The goods of lower order are things that are good only in moderation, such as money. Such goods serve as mere means and nught not to be desired for their own sake. The spending of too much time in the attainment and enjoyment of these goods could interfere with the acquisition and enjoyment of other real goods; therefore, the time spent in the attainment and enjoyment of such goods should be limited. The goods of higher order (e.g., goods of the mind, goods of character) are unlimited in the sense that we cannot obtain too much of them. They are those things that perfect a person. They speak to our humanness. Right order and proportion involves spending as much time as possible in attaining and enjoying the goods of higher order, provided that this does not interfere, with the

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The real goods can be thought of yn terms of possessions and perfections. The real goods that exist apart from the person, they include the goods of personal association, and the political, social, and economic goods. In contrast, perfections are internal goods which perfect a person. They exist in a person rather than apart from him ther. They include the goods of the body, mind, and character (Adler, 1981, p. 86).

The real goods can also be thought of in terms of extrinsic and intrinsic goods. The intrinsic goods exist within a person and possession of them is largely under the control of the individual. The intrinsic goods include the goods of the body, mind, and character. The extrinsic goods are guods that exist apart from the person and possession of them never solely depends on what the individual chooses to do, possession of them depends on circumstances beyond an individual's control. Extrinsic goods include the goods of personal association and the social, political, and economic goods (Adler, 1981, p. 87).

Possession of the extrinsic goods is dependent upon the society in which we live. For example, in some societies, freedom and equality are guaranteed, while in other societies, these goods are not available to the common man. "A good society, a society in which the common good of the people is served and advanced, contributes to the good-life of its individuals" (Adler, 1978, p. 107). SimBarly,

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The instrumental means are the altern that are inderease income and value, and the conconstances that operate in the artern construments is a condifer, 1981. Inder certain concurstances, a number of component of child be involved in the acduisition of a real prod. The different period of the different means to attain the same real good. Some instrumental reactions is operative in terms of alterning the proximate end, that is, an online tagen induired real good, but may interfere with the attainment of the ultimate end, that is, the good life. For instance, working in a plant, in which magandous chemicals are manufactured, could serve as an instrumental means to the real good, wealth, but, in the long run, such a means could interfere with the attainment of a good life by privating the individual of other real goods or constitutive means to the good life, such as health. It follows, then, that, in such cases, attempts should be made to look for a better means to wealth.

The Real Goods

Goods of the Body

Goods of the body include those real goods that are related to the body, such as health, vitality, vigor, and pleasures of sense. These goods are necessary in order to live. "...Without life we cannot live well" (Adler, 1981, p.151). Health may be a means to other goods such as educational pursuits that in turn contribute to the attainment of goods of the mind. Sufficient quantities and types of sleep, food, and drink are necessary to attain goods of the body. While many things can th done by a person to manage his her life so that the goods of the body can be attained, the attainment of these goods may also be affected by factors outside a person's control, such as the political environment and access to medical care.

Groads of the Mind

Goods of the mind include all the intellectual goods, such as knowledge, a modicum of wisdom, understanding, creativity, and prudence (Adler, 1984, p.98). Frudence is a good habit formed by "repeated acts of deliberating well in order to inach sound judgements or decisions" (Adler, 1984, p. 98). Mental abilities, such sax the ability to remember, are also goods of the mind. Although Adler does not discuss to what type of real good feelings of a positive nature, such as contentment, and beliefs about a higher being (or faith) belong, pleasurable leelings and spirituality have been placed into this category of goods since they involve the mind or intellect. They arise from our memories, imagination, hopes, knowledge,, and understanding; they are more than natural instincts. Strictly speaking, the term, "feelings", as used in this study, refers to what Thomistic philosophers seem to call "sentiments" (Gilson, 1956). However, the term, "feelings", is used in this study since it is a term that is more familiar to most people.

Adler (1984) sees goods of the mind as among the highest in the scale of real goods since they serve to perfect the individual and they are essential components of humanness. The goods of the mind can serve as ends in themselves or as means to other real goods. As well, they always serve as means to the good life. Leisure activities are one set of instrumental means that assist in the attainment of intellectual goods. Adler defines leisure as "any mode of useful and productive to activity that is not biologically or economically necessary and that, since it always involves learning, is self-creative or self-improving" (1970, p. 36).

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Goods of Character

Grods of character, that is, the moral virtues, are one group of personal perfections that are totally within the control of the individual to obtain. They are possible to attain because human beings possess freedom of choice. When choices are repeated, they soon become babits, either good or bad. ... of habits are those which are in accordance with the rules for acting well. The overal virtues or goods of character (temperance, courage, and justice) relate to attaining the right end and using the right means to attain that end. Temperance is concerned with pleasure in relation to other goods. It consists of resisting pleasure when it stands in the way of attaining other real goods. (ourage or fortitude relates to suffering pain for the sake of attaining the real goods we need. Justice is concerned with the good of others and acting for the common good of the community. For a person to possess justice, he she must act fairly and respect the rights of others. Temperance, courage, and justice, and prudence (which refers to judging well and making good decisions with regard to conduct) are not existentially separable because one cannot habitually act in the right manner without judging whether or not the means are right. A person cannot act for a right end and a wrong end at the same time. We cannot pursue our happiness effectively without goods of character. The stronger our moral virtue the more likely we are to create a good life for ourselves despite other misfortunes in life because we will be able to make the right choices (Adler, 1984).

Goods of Personal Association

Goods of personal association, such as friendships, family relationships, and love relationships, are one type of external goods or possessions." However, of all the external goods, these goods are largely within the power of the individual to attain. These producare considered to be achieve the highest of goods in the scale of goods thesauxe human beings are, by nature, social beings and are interdependent. By virtue of being human, these goods are important to people. The goods of personal association are possessed and enjoyed for their own sake, and not merely used as means to other real goods (Ad er, 1984).

Economic Loods

All individuals need goods of an economic nature. The quantity of economic ponds required for a good life is above that necessary for mere subsistence so that one may do more than just survive, that is, one may also live well and enjoy life. Economic goods refer to consumable commodities, useful services, and the possession of a means to produce wealth. They also include living and working conditions that are conducive to health, medical care; legal services, opportunities for access to pleasures of sense, opportunities for travel, opportunities for access to educational facilities, and enough free time to take advantage of these opportunities (Adler, 1984, p. 48). Not all of these goods are purchasable. Wealth may be attained through many sources (human labour, machines, and raw materials). Money in itself is not a real good; it is a means to wealth. Government involvement is important to ensure environmental protection and public access to an adequate quantity of economic goods (Adler, 1978).

& Political Goods

Political goods are those goods relating to government and governance, such as peace, political liberty, freedom of action, and protection from harm. Largely, their attainment is dependent on external circumstances. While a person may influence the attainment of these goods to some extent, their attainment is never wholly within his/her control. To a large extent, the attainment of political goods

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Ad en 1981 describes four types of freedom of reedom of choice is a natural of action, moral frendom, and political liberts. Freedom of choice is a natural freedom that all individuals possess even if they are incarcenated. Freedom of action is limited in that one must act within the constraints of justice politic Moral freedom refers to moral victur of the disposition to make right rather that wrong choices. Political liberty refers not only to freedom to vote as one-showers but also to the freedom to participate in decisions the outcomes of which affect the individual, in any setting or within any group.

Social Goods

Social goods refer to the equalities specifically as they relate to the dignits of the human person. By virtue of being human, all individuals are equal in terms of their humanness, that is, human beings are equal in terms of their common humanity. Therefore, all human beings are entitled to equality of status, equality of treatment, and equality of opportunity. Differences in natural endowment and wealth can result in certain inequalities, however, these differences are in degree and not in kind. Specific differences in degree may exist, by natural or artificially created differences (Adler, 1981). Adler (1981) stated that we cannot say that people ought to be equal or unequal in any personal respect. Justice must ensure that people possess equality of opportunity, status, and treatment. Government intervention in the way of legislation is usually necessary to ensure equality of opportunity, treatment, and status. There is little the individual can do to ensure these equalities.

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Summary

menodialssis patients undergo numerous difficulties. Not only do they reduce treatment three times weekly, but they must also adjust to our errors restrictions in diffestivle. The quality of difficulties patients has become of greater concern as society's humanistic concerns have increased. Numerous studies have been carried out in an attempt to measure quality of life! Indices of life satisfaction, self esterm, functional status, stress, depression, and second support have been used to measure quality of life. The instruments which have been developed have, for the most part, not been tested for their reliability and validity. As yet, there does not appear to be a comprehensive definition and an index for measurement of that which the concept, quality of life, denotes.

In this study, quality of life was conceptualized in accordance with the Aristotelian Ihomistic philosophical theory of the good life. In this theory, happiness is equated with a whole life well-lived (a good life) or happiness in the ethical sense. The good life can only be attained through possession and enjoyment of the real goods which include goods of the body, goods of the mind, goods of character, goods of personal association, economic goods, social goods, and political goods. These goods must also be possessed in the right order and $s_i^{(1)}$ proportion, and the right means must be used to acquire the real goods.

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III. METHODOLOGY

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Introduction

The purpose of this descriptive exponentials study was to describe the reported quality of life of 10 selected home hemodialssis patients in the solution Aristotelian Dhomistic philosophical theory of the good life. For the purpose of the study, quality of life was defined as the good life or happiness in the otheral sense. The theoretical framework of the study consisted of propositions about the good life, the real goods, which are possessions and perfections, that are increasers for a good life, and the instrumental means that may be used to acquire each type of real good. A series of individual interviews, using an interview guide, were conducted to gather data relating to the patients' current possession or privation of each type of real good and of the instrumental means to each type of real good. A card sort task was used to assess the importance placed on each type of good by the patients, and the proportion of time spent by the patients in attaining and enjoying each type of good. The interview data were content analyzed in light of the theoretical framework. The rank ordering of the card sort was examined and described.

Setting

The setting of the interviews varied according to patient preference. Seven patients were interviewed in their homes in a private room. Six of these seven patients were interviewed as they were undergoing dialysis in their homes. The remaining three patients were interviewed in a private office in the hospital in which they received their medical care.

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Subjects

The sample of the study consisted of a convenience sample of the nome termodial vsis patients. The subjects were selected from the sampling frame of subjects who met the established selection criteria for inclusion in the study. Each subject was inquired to have been on dial vsis for at least six months, be between TE and the verse of age, be free of major systemic diseases (such as diabetes and cancer other than end stage renal disease, be fluent in the English language, and not have been hospitalized in the month prior to initiation of the study. In order to facilitate access to subjects, only subjects that resided within a of mile radius of the city in which the study was conducted were considered.

The sample selected for the study included seven men and three women. The subjects are described in general rather than specific terms to protect their identities. The age of the subjects ranged from 25 to 58 years. The mean age was 40 years. Six of the subjects were married and five subjects had children, ranging in age from 3 years to 30 years. Six patients were working outside of their homes in a variety of occupations: two were blue collar workers, one was a tradesman, one was a farmer, one was involved in retail sales, and one worked as a manager-Of the four subjects who were not working, one was a housewife, one was a student, one had retired, and one was unemployed. All of the subjects had more than 10 years of formal education, with a mean of 13.4 years of formal education. Five subjects identified themselves with specific religious denominations.

The length of time the patients had been on dialysis varied from 9 months, to 19 years. The mean time on dialysis was 7.4 years. Prior to initiation of their home dialysis treatment, all of the patients had participated in a training program provided for home hemodialysis patients by the hospital. The causes of renal failure in the patients were as follows: four patients had polycystic kidney Containent an patients tablente finn of growers comptrible or patients on a familier easi drup induced, and, eith rine patient, the masse of renamitation each each multifact road. From patients tables theodored hyspotal patients or the last search in renaming patients tad had from one to three fillspite labors, esc

Data Collection

Each patient when met the sciention criteria for one assume on the study we contacted by telephone by the investigator to obtain agreement in prioriple r participate in the study. If the patient agreed to participate, arrangements are made for the patient to be interviewed at a time and place convenient to him include and the investigator. At the time of the first interview, a written information consent form was signed by the patient. A total of 21 private interviews, ranging in duration from one to two and a half hours, were held. Two patients were interviewed on three occasions, seven on two occasions, and one on one occasion. The interviews were held approximately one week apart. The variation in the number of interview sessions was necessitated by differences in individual communication patterns. Some patients responded in great depth, while others provided brief responses. When the patient appeared eager and willing to continue the interview after one hour (the approximate time period set for an interview), the investigator allowed the interview to proceed. However, if the patient seemed to be fatigued at any time, the interview was terminated and another appointment was scheduled.

Semi-structured interviews were used to collect data. An interview guide (see Appendix 1) was developed by the investigator for use in the interviews. The questions contained in the guide were basically open-ended and focused on the patients' current possession or privation of each type of real good and of the instrumental means to each type of real good. During the interviews, the subjects

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Found with task see Appendix is way used to determine the patients' ordering of placement of importance of each type of good in relation to the other poods, and the proportion of time they devoted to the attainment and enjoyment of each type of good. At the end of the first interview, the patients where asked to place the cards (each card described one particular type of good) in order of the importance of each type of good to them, from the most important to the least important. The patients were encouraged to explain the reasons for their rankings. Subsequently, the patients were asked to place the cards in order of the proportion of time they spect in attaining and enjoying each type of good, from most time to least time.

The procedure for data collection followed a standard pattern. The same person, namely the principal investigator, conducted all the interviews and administered all the card sort tasks. Also, the interviews were tape recorded, with the subjects' permission, to facilitate accurate recording of the data.

The Instruments

Questionnaire

"The questionnaire used in the study consisted of questions developed by the investigator in light of the Aristotelian-Thomistic philosophical theory of the good

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The face and content validity of the durationnairs were established with were knowledgeatic in the area of two people who were knowledgeatic in the area of two people. No were knowledgeatic in the area of two people who were also members of the theory converties. But a line philosophy and who were also members of the theory converties. But persons had to agree at a 100° level of agreement that the questions contained in the questionnaire were clear, relevant to the study of quality of life of the home hemodialysis patient, and part of the universe of quality of life viewed in terms of the Aristotelian Themistic philosophical theory of the good life. As well, the validators were asked to indicate whether the questions, on the whole, represented a fair sampling of the universe of quality of life viewed in terms of the Aristotelian-Thomistic philosophical theory of the good life. The content of the Aristotelian-Thomistic philosophical theory of the good life. The content of the interview guide was modified numerous times to meet these criteria.

Card Sort

A modified Q sort methodology was used to determine the patients' perceptions of the importance of each type of real good and the proportion of time spent by them in attaining and enjoying each type of real good. A series of cards, each with a definition and an example of a type of real good, were developed. The consistency reliability of the card.sort with respect to the patients' ranking of the importance of each type of real good was established

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The consistency reliability of the card sort with respect to the patients' ranking of the proportion of time spent by them in attaining and enjoying the real goods was also established using the above described test-retest method. The rankings from the first testing were compared with the rankings obtained at the second testing. Percentage agreement between the two testings was calculated. When the rankings given by nine patients on two occasions were compared, 61.1% of the pairs of ranks were found to be concordant, and 38.9% of the pairs of ranks were found to be discordant. Using a Spearman rank order test of correlation, a reliability coefficient figure of .998 was obtained between the pairs of ranks. The magnitude of the changes in ranking that occurred was small. Again, it is possible that there was little change in ranking because the patients were able to and did recall their previous responses.

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In an attempt to validate the card sort with regard to the proportion of each dynamic of real good, questions restriction of spent in this way were included in the interview purde. The subjects four cross durations very difficult to answer. Statistical comparisons of the reported an our of time spent in attaining and enjoying each type of good and the rank order of proportion of time spent in attaining and enjoying each type of product any of the questions during the interview relating to the time spent in this way. For instance, must subjects stated that they were always thinking or using their mind, goods of the mind, and always interacting with others (goods of personal association). As well, many stated that aspects of their moral character were always present or in use but that this was something upon which they did not dwell. Thus, very few patients were able to identify specifically how much time was spent in attaining or enjoying each type of real good.

The types of real goods that patients could describe in terms of the time they spent in attaining and enjoying them were goods of the body and economic goods. The time spent in attaining and enjoying goods of the body ranged from two hours to "all day and all night". The time spent in attaining and enjoying economic goods ranged from "not much" to "most of the time".

Pilot Study

A pill t study was conducted involving one home hemodialysis patient. The purposes of the pilot study were to familiarize the interviewer with the questionnaire, to ensure that the questions were clear, and to test the suitability of the cards to be used in the card sort task. Two changes were made in the instruments as a result of the pilot study. Thus, the data obtained in the pilot study were used with data obtained from nine other patients to answer the research questions.

Ethical Considerations

Initial contact with the patients was made, by telephone by the investigator. The purpose of the study was explained to the patients and an initial verbal agreement to participate in the study was obtained. Interviews were scheduled for mutually convenient times. The patients were informed that their perceptions about their quality of life would be under study and that they would be interviewed privately, approximately three times, at weekly intervals. All of the

per completion of the project, all of the tapes were erased. However, unded copies of typed transcripts were retained for future reference. Approvation conduct the study was obtained from the Division of Lephrology and the research review committees of the hospital involved.

Data Analysis

All of the raw data from the interviews were transcribed. Content analysis was carried out in light of the Aristotelian-Thomistic philosophical theory of the good life. The patients' bal responses about their present lives were carefully reviewed. Categories and subcategories relating to the patients' possession or privation of the real goods, and categories and subcategories relating to the patients' possession or privation of the instrumental means to the real goods were established. The patients' statements were segmented into analytic units according to the established units of analysis and distributed over the established categories and subcategories of possession and privation of the real goods and instrumental means. A unit was designated as relating to possession or privation of the real goods or instrumental means, by the investigator, in light of the patients' reports, the definitions of the terms, and the Aristotelian-Thomistic philosophical theory of the good life.

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Unit of Analysis

The unit of analysis was a verbalization by a subject which referred to an aspect of the present life of that subject. An unit was a statement, statements, question, group of words, or single word that was directed by "In subject to the investigator. An unit consisted of either an explicit or implicit reference to the possession or privation of a real good, or the possession or privation of an instrumental means to a real good. An unit ended and a new one began when the subject referred to a real-good or instrumental means that was different from the one that he she had been describing, or repeated his her reference to either a real good or instrumental means fieldshe

Categories of Analysis

Two major categories of analysis were established: possession or privation of real goods and possession or privation of instrumental means to the real goods. The definitions of these major categories and some of the subcategories relating to the dimension of real goods were based on the writings of Adler (1941, 1965, 1971–1980, 1981, 1984, 1985) as interpreted by the investigator. The definitions of the remaining subcategories relating to the dimension of real goods, and of the subcategories relating to the dimension of instrumental means were inductively generated from the data in light of the definitions that had been established based on the writings of Adler as interpreted by the investigator.

1. Possession or Privation of the Real Goods (Constitutive Means)

Real goods are those goods that meet the natural needs of human beings and are necessary to have a good life. The categories of real goods include goods of the body, goods of the mind, goods of character, goods of personal association, A

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refers to a person's ownership or possession of real goods such as certain attributes, knowledge, skill, or objects to the extent required to have a good life. Privation of real goods refers to the lack of possession is a person of the real goods to the extent required to have a good life.

A. woods of the body are those perfections that relate to a person's first condition and functioning, such as health, vigor, vitality, and pleasure for sense.

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- 1. Health refers to the structural and functional integrity of a person's body or body parts, including general health, freedom from pain, and mobility.
- 2. Vigor is the physical strength or energy of a person's body.
- 3. Vitality refers to the growth and development of a person's body or body parts (e.g., hair, nails, skin) and includes general anabolism, as opposed to catabolism, of the body.
- 4. Pleasures of sense are the agreeable sensations a person perceives through the senses of sight, hearing, taste, smell, and touch.
- B. Goods of the mind are those perfections that involve a person's intellect, such as knowledge, understanding, mental abilities, spirituality, and pleasurable feelings.
 - Knowledge and understanding refer to a person's comprehension of information and truths about various objects.

a. Knowledge and understanding related to treatment and illness refer 等 to a person's comprehension of the disease process and treatment involved in end stage renal disease.

- b. Knowledge and understanding related to self refer to a person's comprehension of aspects of his her own body, mind, and character.
- Knowledge and understanding related to other people refer to a person's comprohension of aspects of other persons.
- d. Knowledge and understanding related to life situations refer to a person's comprehension of a wide variety of situations that occur in life. It includes knowledge regarding work, the bospit**s**! environment, and life in general.
- 2. Mental abilities refer to the abilities which result through a person's use of his her mind or intellect and includes abilities such as concentrating, a remembering, thinking, hoping, learning, communicating, judging, and creating.
 - a. To concentrate is the ability to center thought on one point or topic for a length of time.
 - b. To remember is the ability to retain information and recall events
 from the past.
- c. To think is the ability to consider, muse, and meditate. d. To hope is to desire some future benefit.
 - e. To learn is the ability to acquire knowledge through formal or informal means.
 - f. To communicate is the ability to impart or receive information from another person.
 - g. To judge is the ability to make prudent decisions and to employ common sense.
 - h. To create is the ability to make or produce an original object, generally referring to an object of art.
- Spirituality refers to a person's state of faith or beliefs at up or a higher reing.
- 4. Fleakurable feelongs are the prisitive sectiments a persion experiences about various people, things, or objects.
 - a. Feelings related to dialysis and illness are the feelings a person has that relate to end stage renal disease, its manifestitions, and its treatment.
 - b.t. Feelings related to self are the feelings a person has about his terbody, mind, or character.
 - c. Feelings related to other people are the feelings a person has about other people or groups (such as friends, family, healthprofessionals).
 - d. Feelings related to life situations are the feelings a person has that relate to life situations, such as work, the h@spital environment, and life in general.
- C. Goods of character are a person's moral perfections such as those of temperance, justice, and fortitude.
 - Temperance refers to the resistance of pleasure when it stands in the way of attaining other real goods.
- 2. Justice refers to acting fairly toward other people, respecting the rights of other people, and acting for the common good of the community.
 - 3. Fortitude is the moral strength or willpower to overcome adversities of all sorts, and the courage to suffer pain for the sake of attaining other real goods.
 - 4. Other moral goods are aspects of a person's moral character other than temperance, justice, or fortitude [e.g., honesty, persistence].

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- In seconds of personal association and possessions on the torm of a persons relationships with propin, such as friends, tamily members, spruces, Realth professionals, and mersi.
 - 3. A Friendship is a mutual, caring relationship that exists between two subpeople who are not related to each other (by marriage or blood, and who act subtly toward one another.
 - 2. A family relationship is a relationship that exists between a person and his her relatives (e.g., parents, siblings, children, grandchildren).
 - 3. A matrical relationship is a type of friendship that exists between two people who have made a legal or verbal commitment to each other. It is usually characterized by a strong feeling of affection, devotion, and caring between the two people involved who would do whatever may be pecessary to improve or enrich the life of the other.
 - 4. A professional relationship is a relationship that exists between a person and a health professional (e.g., doctor, nurse, social worker).
 - 5. A peer relationship is a casual type of relationship that exists between a person and others in the community and is one in which one or both parties do not feel particularly close to one another.
- E. Social goods are those possessions that relate to human dignity, such as equality of opportunity, equality of treatment, and equality of status.
 - Equality of opportunity is the circumstance where people have the same or equal initial conditions when beginning an activity.
 - 2. Equality of treatment is the circumstance where people are treated equally with respect to the fulfillment of their needs as human beings.

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- Equalsty of status is the uncomstance where a persion standing in president in society is crossidered to be the same in equivalent to otherwise thrms of tas her bur appends.
- F. Political poods are those possessions that relate to powernocent and provernance of a person, such as political liberty, freedom of action, and protection from harms.
 - Political liberty is the freedom to vote as a person chooses and to participate in decisions, the outcomes of which affect the person.
 - Freedom of action refers to the liberty to act as a person pleases within the constraints of justice.
 - 3. Protection from harm refers to the measures taken or that are in place that ensure a person's safety.
- 5. Economic goods are those possessions or financial resources that a person needs in order to have a good life, such as free time, wealth, a means of subsistence, working and living conditions conducive to health, opportunities for self improvement, and availability of health services.
 - Free time is the (duration of) time available that is not devoted to work that may be used to improve oneself or society.
 - 2. Wealth is a financial or economic resource that results in prosperity, and consists of such possessions as money, capital, and material belongings.
 - 3. Means of subsistence refers to the work done or ways used to earn a living.
 - 4. Working conditions are the circumstances conducive to health under which a person works.

- Set of King L inditions and the origin stances of inducive to realth under which a person lives and travels.
- A. Supportunities for self improvements refer to the external resources propin have available to them that may assist them in the enhancement of their skill, knowledge, or character lenge, bbraries, adult education courses.
- and rase of access to health care.
- II. Possession or Privation of Instrumental Means to the Real Goods

Instrumental means are the actions performed by human beings to obtain the real goods or the set of circumstances that operate to bring about possession of the real goods. The major categories of instrumental means are as follows physiological, mental, social, economic, and environmental. Possession of, an instrumental means refers to a person's use of or involvement of an instrumental means to the extent required to attain a real good. Privation of an instrumental means refers to the lack of an instrumental means, that is, an instrumental means is not available to the extent required to attain a real good.

- A. Physiological means are those means that directly involve a person's bodily functioning or action upon a person's body or body parts. They include nourishing activities, treatments, and state of health.
 - 1. Nourishing activities refer to those activities a person naturally carries out on a regular basis that serve to feed or sustain the body and include resting and sleeping, exercising, and eating and drinking.
 - Resting and sleeping refer to the acts of relaxing, sleeping, and not moving.

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- The constraint of the sector to as the source of the today of the source of the sector.
- 3. Patting and don't ing refer to the consumption of Fators (supes and quantities of food and the domination access).
- antificial means a person ases to augment the nouristing activities.
 - a. Prescribed treatments are those remedies that are supersted or indexed by a health professional e.g., doctor, nurse, social w rem and include dialysis treatment, medications, and other reduct treatments.
 - Dialysis treatment is a medically prescribed extracorporeal treatment that removes excess fluid, electrotytes, and nitrogeneous waste products from the blood of a person with end stage renal disease.
 - ii. Medications are chemical or biological substances that are prescribed by a licensed physician for the prevention, cure, or treatment of a disease.
 - III. Other medical treatments are methods of managing symptoms, preventing disease, or promoting health (other than by dialysis or the administration of drugs) that are prescribed by a health professional, such as transplantation and blood transfusions.

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- b. Non-prescribed treatments are those remedies that are initiated by
 a person without the advice of a health professional (e.g., nonprescribed drugs, home remedies).
- 3. State of health refers to the condition of a person's body or body parts.

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 - 1. Constant strategies references the methods used to a person to ortain of smather of facts and to constant know and understand them ends. reading.com/yrx.com/uning.ref.et.teng.themking.
 - Astitudes and approaches refer to a person relatively enduring feelings the offs, and homay oral tendencies toward propping groups, otjects, or ideas.
- Social means are those means that involve or arise from interaction between persons and include maintaining contact, receiving help, and giving help.
 - Maintaining contact refers to a person's attempt to continue to interact or communicate with people for purposes other than help.
 - Receiving help refers to a person's receipt of assistance from others in

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 the form of support, encouragement, services, or resources.
 - 3. Giving help refers to a person's offer or provision of assistance to other people in the form of support, encouragement, services, or resources.
- D. Economic means are those means that are financial in nature and include wealth, work, and time.
 - 1. Time is a span of clock time available or used for tasks or activities.
 - 2. Wealth refers to money, property, and material possessions.
 - 3. Work refers to the labor performed by a person for remuneration.
- E. Environmental means are the physical conditions in which a person lives and works.

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Two unders independently unded a random sample of C papes to end the intervent transcriptions to assess the reliated to of the investigation provided with the definitions of the categories of analysis and asked to clock the definitions of the categories of analysis and asked to clock the definitions of the definitions. After the training of the definitions are definitions. After the training of the definition are definitions of the definitions. After the training of the definition are definitions are definitions. After the training of the definition are definitions of the definitions are definitions. After the training of the definition are definitions are definitions are definitions are defined by the definition of the definitions. After the training of the definition are defined by the definition of the investigator, and an efficience with be the other coder and the investigator.

The investigator also recoded 30 randomly selected pages of data three weeks after the initial coding was completed to assess intrarater reliability of the coding of the data. There was 93 agreement on the coding of the units.

Summary

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A study examining the reported quality of life of patients receiving home hemodialysis treatment was conducted. The Aristotelian-Thomistic philosophical theory of the good life was used for the theoretical framework of the study. According to this theory, a person must possess and enjoy all the real goods in the right order and proportion and use the right instrumental means to these goods order to have a good life. A convenience sample of 10 adult, medically stable, home hemodialysis patients was studied a determine the patients' reported current possession or privation of each type of real good and of the instrumental means to each type of real good. The subjects were interviewed in vidually for a total of approximately three bours each. One to three interviews were held with each subject. The interviews were semi-structured in that an interview guide was used. A card sort task was used to determine the importance of each type of real good to the patient and the proportion of time spent by the patient in attaining

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Introduction

Including of the study of the reported sub-to-to-to-to-solve or and tended areas date to an presented on the following order. The strength exponenpertained of the powned of the value of mast type of each generating for the system of tod. The estimates the aprecentation of the tend exponents of each to each system reports regarding tensessees of provation of the enstructerial creats to each type of the good. Finally, the results of the variable task with regard to the solution emportance of each type of real good as reported by the patients and the solution of time spent by the patients in the attainment and enjoyment of each type of real good are presented. Specific details that could potentially identify the subjects have not here provided in order to protect their identifies.

Possession or Privation of the Real Goods (Constitutive Mains)

Possession of real goods refers to the fact that a person possesses, to the extent required to have a good life, one or more of the types of real goods or those things that meet the natural needs of human beings and are necessary in order to-have a good life. This may be contrasted to the state of privation of real goods where a person lacks, to the extent required to have a good life, one or more of the types of real goods. In this study, the possession or privation of each type of real good by ten patients with renal failure who were receiving home hemodialysis treatment were examined. Data-relating to the patients' possession or privation of each type of real good are presented in the following pages.

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Iterative refers to the structural and functional integrity of a person's body or body parts. If includes general health, freedom from pain, and mobility. The subjects were asked about the physical condition of their body and how it functioned. Seven of the 10 patients stated that they helieved that their health was good on very good in spite of the fact that they had renal failure. Two patients stated that it was "not too bad", and a third stated that her health was "okay but not normal". Two of these individuals also had another chronic disease that may have affected their health. As if to substantiate their reports regarding their health, several patients reported that they had not been hospitalized for somes time, that they had taken little time off from work for illness in the patients compared their present state of health to their past health and still concluded that their present health was good. One subject aptly stated, "I think basically I would say that my present condition is quite satisfactory and allows me to enjoy life".

At the time of the interviews, all but one patient indicated that their weight had been stable. The remaining patient described a slow weight loss of 25 pounds which he had experienced since starting dialysis eight years previously.



- "X" indicates possession of the real good to the extent required to have a good life, as judged by the investigator in light of the Aristotelian Thomistic philosophical theory of the good life.
- No "X" indicates privation of the real good to the extent required to have a good life, as judged by the investigator in light of the Aristotelian-Thomistic philosophical theory of the good life.

In relation to their mobility, all the patients stated that they had free movement of their limbs and many of them said that they were active physically. I wo patients complained of a "restless leg" syndrome that occurred during dialysis or at night. This refers to a nerve irritability that is a common manifestation of renal failure.

Most of the patients initially stated that they had no pain. One patient stated that the "only pain I ever have is mental pain". However, all but one patient went on to describe minor discomforts. Two patients complained of headaches associated with dialysis, one complained of muscle cramps associated with dialysis, two complained of discomforts related to another chronic ailment, two reported muscle aches, and one patient said that she had sore feet. Two patients identified discomforts associated with venipunctures for dialysis; one was unable to insert needles without local anesthesia because of the pain and another said that he had occasional discomfort when he "missed a needle".

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All of the patients reported some disturbance of their elimination patterns. Seven patients said that they had little or no urine output. Six patients reported problems with constipation, a result of the administration of aluminum hydroxide or iron preparations, and a reduced fluid intake. Nausea and vomiting were not identified as a problem by any of the subjects. The 'patients stated that any current episodes' of nausea or vomiting were associated with flu or other illnesses, excess fluid removal on dialysis, and alcohol consumption. Four patients thought that they lost less fluid through perspiration than other people. The other subjects

Several of the subjects complained of dry hair and skin. Three patients, reported that they had dry hair, and three stated that their hair was thinner than it had been previously. Six people complained of dry skin and three patients complained of itching. One woman pointed out the numerous bruises on her body which had occurred spontaneously or as a result of minimal trauma.

Most of the subjects indicated that they had relatively normal sensations. Fisual acuity was reported as good by all subjects, however, one patient knew that she had gataracts and said that she occasionally had blurring of vision. Another patient stated, "My eyes started getting bad right after dialysis, and they actually change during the day. In the morning, when I get up, I can see very good, [sic] but the day before I go on dialysis, like this afternoon, I was having trouble and I don't see nearly as well. I suppose it's because of the wastes". Seven patients reported that their hearing was good, one person had a long standing bilateral high frequency hearing loss, a result of recurrent otitis. Two persons described their unilateral hearing deficits. All patients believed that their sense of touch was normal. All but two patients reported that their sense of taste was normal. One woman stated, "I can taste things but not everything tastes terrific to me anymore". Another man stated, "When I first got on the machine ... I couldn't taste nothing [sic] [now] I get this funny taste and I get a funny feeling or something". All subjects, but one, who suffered from sinusitis, said that they had a good sense of smell. Generally, most of the subjects felt that they were quite aware of what was going on around them. However, two men stated that, after dialysis, they were not "quite as sharp".

In relation to sexual functioning, only one man reported that there had been no change in his sexual functioning as a result of his illness. He stated, "Everybody says it slows you down, and you read it in that stupid book; then you put that in your head plus if you weren't too active [sexually] before, you might not be at all now or not very much anyway. But I never let that worry meⁿ. Two women stated that their sexual activity was "practically nil"; they reported that they no longer had any desire for sex. Three younger men reported a decrease in sexual activity since starting dialysis. One man estimated that he was "only 50 gr 60 or 70% as pexually active" as he had been prior to the onset of his illness. He also reported that, after dialysis, he did not "feel like engaging in sex". However, the said that ten hours later, "It's not too bad". One man declined to discuss his sexual functioning and one woman stated that it was not an area of concern for ber since she was not married.

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Super refers to the physical strength or energy of a person's body. Only 2 of the 10 subjects thought that they had enough energy to do the things they wanted or needed to do. The remaining patients made the following types of comments "My stamina is not there", "I'm tired at times"; "I'm not so efficient. I sit down and I rest, and then I get up and do something and I sit down and rest", "I have times when I can't do very much", "I have the energy to work full-time but no more than enough". The two patients with good vigor had very active, busy schedules. Six of the patients reported that they had the energy to work fulltime; all of the subjects stated that they had the energy to care for their own personal needs, including dialysis. Two men reported being active participants in sporting activities. "One woman needed assistance with housework. Several patients identified that their energy level was dependent on what they wanted to do. If they had no desire to perform an activity, they found that they usually did not have the energy to carry it out. In terms of physical strength, six patients stated that their muscle strength was good. Others stated that their strength was variable, not as good as it had been previously, or poor.

Vitality

Vitality refers to the growth and development of a person's body or body parts. Many of the patients reported a deterioration of their bodies before and around the time they first started dialysis but indicated that there had been no

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recent deterioration. If relation to parts of their bodies, two patients stated that their bair grew more sinwly and three patients orted a tendency to heat showly.

Pleasures of Sense

Apart from a few exceptions, all of the subjects enthusiastically described the pleasures of sense that they experienced, that is, the agreeable sensations they perceived through the senses of sight, hearing, taste, touch, and smell, inner man stated, "Before, I really took stuff for granted and now you appreciate it i little bit more". Only one woman did not expound on her pleasures. In contrast to the expositions of the other subjects, she stated, "You don't really think about it when you're doing it" and "If t's noticeable and catches my eye, I guess so" jenjoy scenic views]. One woman stated that she did not obtain much pleasure through her sense of smell. In relation to pleasures derived from the sense of touch, only three of the subjects reported that they received such enjoyment from sexual activity. Two patients reported that they did not obtain pleasure through their sense of taste; one man stated that he only fate because he had to and a woman noted that "the taste isn't what it used to be". Nine patients reported receiving pleasures from sights, particularly those related to nature. Vivid descriptions of animals, trees, and architectore atested to the pleasures of sense the subjects' derived from the sense of sight.

Goods of the Mind

Goods of the mind are those perfections that involve a person's intellect and include such things as knowledge, understanding, mental abilities (e.g., to remember, to concentrate, to create), spirituality, and pleasurable feelings. For the most part, all of the patients indicated that they possessed knowledge and understanding related to their illness and treatment. It was interesting to note The depthy accuracy, and current state of enowledge that the patients possessed of relation to their disease and treatment. Five patients indicated that they had pood or normal mental abilities. It should be noted that the patients suggested that impairments or deficiencies in mental abilities (such as inability to create things, were, for the most part, not related to their illness or treatment. Four patients indicated that they possessed a faith in God or a higher being. Feelings, both pleasurable and negative, were expressed by all patients on a wide variety of topics. Table 2 depicts each patient's possession or privation of the goods of the mind.

Knowledge and Understanding

Knowledge and understanding refer to a person's comprehension of information and truths about various objects. The patients possession or privation of knowledge and understanding related to their treatment and illness, themselves, other people, and life situations are described.

Knowledge and Understanding Related to Treatment and Illness. Generally, all of the patients thought that they had a good comprehension of their disease process and the treatments involved in end stage renal disease. They were all able to identify the origin of their renal disease and were well versed in the dysfunctions experienced by patients with renal failure. For instance, several patients identified sexual dysfunction, itching, and anemia as common manifestations of renal failure. One young man spoke knowledgably about fluid Shifts and electrolyte imbalances. Another man stated, "I'm probably very aware of my dialysis condition and the kidney disease and how to make life better". Yet rother man said, "It would be incredible if I didn't know a fair amount about my disease and all the ramifications in terms of course and therapy". It was iteresting to note that three patients spoke knowledgably about aluminum

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Possession or Privation of Goods of the Mind

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"X" indicates possession of the real good to the extent required to have a good life, as judged by the investigator in light of the Aristotelian-Thomistic philosophical theory of the good life.

No "X" indicates privation of the real good to the extent required to have a good life, as judged by the investigator in light of the Aristotelian-Thomistic philosophical theory of the good life. trix city and dialysis demential conditions which have been recognized as problems in now in the recent past.

All of the patients spoke intelligently about their dialysis treatment and some of them discussed alternative treatments. Explicit descriptions of dietary restrictions were provided by many of the patients. In one case, a man demonstrated an understanding of his individual dietary regimentas well as the regimen of other patients when he stated, "I know that's not common with kidney patients because most patients don't have output, and that's probably the number one priority with them is the fluid intake [sic], but with me it isn't". All of the subjects named one or more of their medications and many patients volunteered information relating to the actions and side effects of their drugs. Several patients seemed to be harboring some misconceptions. One woman used the wrong term for dialysis concentrate, another woman was mistaken in the frequency of exchanges required with continuous ambulatory peritoneal dialysis, and one patient talked about brain cells dying while a person was on the machine. Another patient stated that a specialist told her that she was allergic to the machine (which is highly unlikely) but that "I really don't know the process". Although these comments indicate a lack of knowledge and understanding on the part of several of the subjects, most of the data obtained indicated that the patients possessed a good understanding of their illness and its treatment.

Knowledge and Understanding Related, to the Self. During the interviews, only certain aspects of the patients' comprehension of aspects of their own body, mind, and character were addressed. However, most of the patients, at some time during the interviews, specified a numeric value for one of their blood chemistries, indicating their knowledge about this aspect of their own bodies. One man was able to detect minute physiological changes associated with changes in his blood chemistry values. All of the subjects indicated that they were aware of

their personal strengths and weaknesses, but three patients seened unwolling in were unable to describe them. These latter people merely commented, it woll what can and can't dol, or "C don't wow". Another manivery apply revealed that he knew himself when he stated, "C think C probably have even through as traumatic a life as anybody's life, probably more sr, and live become a coper. Twe managed it very well. Eve faced a lot of problems and it comes have to oust thing a survivor, being able to cope".

<u>Knowledge and Understanding Related to other People.</u> Several patients made statements indicating that they understood how other people felt. One other man stated, "Eve never had any problems . . [but] E can put myself into the position of a younger man who has a life ahead of him and who wants to be active, wants to do things, and resents being tied to the machine". Two other patients indicated that they could understand the desperation of one renal failure patient who had recently advertised his desire to purchase a kidney. One man stated that he could understand how difficult it must be for a physician to request permission for an organ donation from a family who had just learned of the death of a loved one.

Knowledge and Understanding Related to Life Situations. All of the subjects reported that they had a fairly good understanding of life situations. Several patients provided examples of situations that they had come to understand as result of the experiences they had had or others around them had had. When asked about life situations relating to organ donation, all of the subjects were able to discuss the issue.

Mental Abilities

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Mental abilities refer to the abilities which result through a person's use of his/her mind or intellect. The patients'-possession or privation of the following

at others and presented of the concentrate of the remember, to think, the hope, the early to continues ate, the udget, and the created

<u>It (oncentrate</u>) All of the patients spated that they were able to concentrate fairly well, that is, to focus throught on a topic. The man stated that he could concentrate but could not retain the information. Another man indicated that he believed his concentration would improve it he were not on dialysis.

In Femember. Five patients reported that they were able to remember, that is, to retain information and recall events from the past. However, they said that they had occasional lapses of memory. One man stated, "It's always been short so there's not much difference". Another man reported that his memory was not as good as it had been in previous years, but "it's no worse and no better than most people in my age group". Two men attributed their decline in memory to the aluminum hydroxide that had been prescribed for them as a phosphate binder.

To Think. All of the patients reported that they had the ability to think, that is, to muse, to contemplate, to consider, and go meditate. Many of the patients reported that they tended to use dialysis time for thinking. Two men stated that they had little time for thinking; one of these men remarked that the only time he had available for thinking was the 10 minutes before he went to sleep.

<u>To Hope.</u> Six patients reported that they hoped for various things; the others denied having hopes. One man hoped to win a lottery. Another patient hoped to be famous. Four subjects stated that they hoped for kidney transplants. One woman stated, "I hope that everything will go well for us an hat someday I could [sic] get a transplant". Another man stated, "I fantasize a lot about getting off this [machine] and going to pursue my career ...".

To Learn. All of the patients reported that they had the ability to learn or to acquire knowledge readily through formal or informal means. Most of them ~ :

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possessed the adjust in communicate in a group setting.

In judge. The reports of all but one of the subjects indicated that they possessed common sense and reasonably good judgement. One man stated, "I think that k-have too much common sense sometimes and I think I'm just too practical ... for my own good". He thought that there were times at which he should "go for the wild thing". Two subjects stated that they were not in positions (either at work or home) where they were expected to make decisions. However, they thought that the decisions that they did make were sound. One said, "I think I take more of my time now to judge something. I look at it from different points of view now". The patient who did not believe that she had, good judgement stated, "I just never know really what to say; I always use this 'I don't know, I don't know!". Then she went on to say, "I try to make the decision on my own ... lots of time I feel sorry what I've made <u>[sic]</u> because it wasn't a very'smart decision Things don't work out the way I usually think it's going to work out when I make a decision. Then I learn the hard way".

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<u>reatri</u> Three of the subjects replyted that they were engaged in x me single endeaviry. The man was very single was not verify the product of of several different types of antifyrms. Two work stated that grey white and produced shafts. The remain approximation did notifie over that they were able to sheate things.

Specituality

Spiritualistic refers to a person's state of faith or beliefs about nod or a bigher being. Although five of the patients indicated that they belonged to a specific religious denomination, not all of these people had great faith in a higher being. One man, who edentified himself as being a Catholic, stated "I guess I have probably lost some faith in the supreme being [as a result of the illness]". Another patient said, "I don't know why God makes all the good people sick, and all the rotten people get to live a good life". Four patients expressed ambivationt feelings about their faith, one of these patients referred to himself as "an old fashioned rationalist". Another man indicated that he believed that he, not (sod, controlled his destiny. One man reported that he possessed a very deep faith.

Pleasurable Feelings

Pleasurable feelings refer to the positive sentiments a person experiences about various people, things, or objects. A great deal of data wore obtained from the subjects about their feelings. Not all of the feelings reported by the patients were pleasurable or positive in nature. The feelings reported by the patients that were not pleasurable in nature are referred to as negative in this study. Since negative feelings are related to the privation of pleasurable or positive feelings, a real good, they are discussed along with the positive feelings. Both positive and negative feelings are described under the beadings of feelings related to dialysis landen of each ten ing the atestic one to ten ing the atestic of their people, and ten og M landen In tenate bit ofte situatoles.

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I was more common for patients to express negative feelings rather than decasurable feelings? The patients indicated that, although they were unhappy about their condition, they were learning to live with it. For instance, one manstated, "I don't think one would be happy to be on dialysis but I do not consider it a terrible cross to bear. It is a cross to bear but it is no more a cross the bear than many other prople in my age group [50 to 60 years] who have other crosses to hear. It's a painless treatment, it's a good quality of life". The man stated; "Happy?" You must be joking: Nobody feels happy. It's just that you have to accept it in your life".

A few subjects talked about their anger and frustration about the illness. One man stated, "I get so frustrated i might take a cun and say to hell with it ... but not so angry that I would pull the plug on myself". Another man stated with frustration, "I just think there is no more prison in this world". In another case, a man asked, "Why does everything always happen to me?"

Several patients reported that they felt fearful. In particular, the needles used for dialysis frightened at least three of the subjects. One woman expressed her fear of pain from venipunctures and stated, "The thickness of the needle - I think turns everyone off". Although most of the patients denied that they still had fears about their dialysis or the needling procedure, one man commented that the In the start preparing to blasser was usefully run to usub prepare to the solution of the same to the the transplant of the same to the

inverse cations's expressed teelings of sadness in relation to their illness and its outcomes. In one situation, a man said that he had been told by the medical staff that it was unlikely that his life expectancy was longer than ten years. Based on that information, he decided that he would never marrie. He was determined not to be a burden to another person. He stated that he now felt somewhat sad about having no one with whom he could share his problems. Another woman expressed some sadness about her decrease in Inbido.

iwo patients expressed resentment about their medications and diet. In relation to her diet, one woman stated that she resented "drinking nothing" while others were having a good time. She also spoke of "cheating" on her "horse pills" (referring to the phosphate binding medication). Her tone of voice seemed to indicate that she also resented taking these medications.

Feelings Related to the Self. A number of patients expressed feelings about their own bodies and minds. In relation to her feelings about her body, one woman stated that she was unhappy about not being like a "normal person" anymore. Another woman remarked that she felt embarrassed about her graft which look od "terrible", she often woré long sleeves to hide it when she went out. One woman expressed pleasure in relation to her knowledge about her condition. She commented with pride, "I used to be such a dummy ... and now it seems I know so much about phosphorus ... I feel intelligent." You know so much more than what [other] people know and it makes you feel good inside when you know what you're talking about".

A number of subjects made trint comments about their feelings at an open spouses, families, and friends. Only one man openly expressed his feeling if for his wife. He indicated that she was the only reason for him to continue of equibe said that, if she died, he would commit suicide. Two patients expressed feelings fore for their children. Most of the other feelings described by the fitner's in relation to their families, friends, and spouses centered around their appreciation of these people, and of the help they received from them.

Several patients expressed negative feelings, such as resentment and anyer, about the hospital staff. One patient thought that the nursing staff in the home dialysis unit were generally too busy to really talk to her except to ask he she felt. Another man expressed resentment about having to prepare his dialyser during the training period, he thought that the nursing staff should have been more cooperative and prepared the dialyzet for nim when he was tired. I wo patients reported that they resented the nurses telling:them what to expect, when they did not know "what it's really like". One man stated that he was "still pissed off at that doctor!" for not telling him that he would be infertile once renal failure developed. He indicated that he and his wife would have had another child early in the course of his illness had they been aware of this fact. In one case, a man angrily stated, "There are people who shouldn't be doctors or nurses". Although he did not elaborate on the incident(s) that resulted in these feelings, he indicated

That be thought that these staff members were "uncaring" and made reference to the fact that they belonged to another ethnic group. However, this man also expressed some very positive feelings about other staff members.

Several patients reported their feelings of hestility or sadress about the patients they had seen or met in the hospital. Most of these feelings were not pleasurable. One man stated that he did not care what happened to any of the other patients, and that he could not stand "listening to people complaining about their ills". Two mon expressed vadness, for example, one man said, "live seen a lot of young patients come into the hospital and they just had no desire at all to five. It's very sad to see that in young people". He went on to explain why he did not attend any patient group meetings. "I guess I just did not want to be associated with this group of people. There were copers in there but some that did not cope and I felt sad for some of those people". Another patient indicated that it upset him to see other patients who were not doing well, he avoided the hospital for this reason.

<u>Feelings Related to Life Situations</u>. Feelings about life situations include feelings expressed by the patients on a wide range of topics from life and death to eating, drinking, and smoking. All of the patients expressed some feelings about life, death, and dying. One man stated, "I have no fear of death. And many times I would have welcomed it. The fear is of dying, painful or slow dying. Whatel pray for is a quick heart attack which finishes me off with nobody around to λ_i ." Another older woman stated, "When it's time to go, it's time to go, I guess". This feeling was expressed on a number of occasions by other patients. However, some of the patients had very different feelings. A young patient stated, "I worry about my own death especially when I feel so rotten and on the machine all the time. You think so many things can go wrong". Another woman reported that she worried about what her family's life would be like if she died. One man stated,

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Theath saddens one a site over than it did particularly of sounger people. It really bothers mer. Some of the other feelings that the patients expressed related to other life situations were apper relating to a current news item, anger about wastage of public funds, and anxiety about public speaking. These feelings were each expressed by one patient and do not necessarily reflect the feelings of the other subjects.

Goods of Character

Goods of character are personal moral perfections that include such virtues at temperance, justice, and fortitude. In this study, nine patients indicated that they were temperate. The tenth subject questioned whether or not he was temperate, he stated that the situation would determine his resistance to pleasure. Seven subjects provided some evidence of just behaviour on their part. All of the Batients reported having fortitude. Many of the patients described considerable adversities that they had overcome. In many cases, the subjects also discussed other moral characteristics that they possessed, such as honesty and good temperment. Table 3 depicts each subject's possession or privation of the goods of character.

Temperance

Nine patients indicated that they possessed temperance, that is, that they thought that they were able to resist pleasure when it stood in the way of attaining other goods. Several patients stated that adhering to the dietary regimen was an example of temperance. However, most of the patients indicated that they occasionally "cheated" on their diet. For the most part, the subjects indicated that such episodes were uncommon; in the investigator's judgement, all

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Possession or Privation of Goods of Character
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put one on the patients possessed temperance to the extent required to have a good life. One man was uncertain about whether or not be possessed temperance. He admitted that the question that the interviewer asked of him about his temperance made him think about "all the things you know you shouldn't nat but you do eat sometimes".

Justice

Justice refers to acting fairly toward other people, respecting the rights of other people, and acting for the common good of the community. Although all of the subjects stated that they acted fairly toward others and several provided examples of their just behaviour, the statements of several patients seemed to indicate that they may not have truly possessed justice. For instance, when the subjects were asked to express their opinions about a current moral issue, that is, whether an individual should be allowed to purchase a kidney from a live, unrelated donor, two imen thought it would be quite acceptable to purchase organs.

Fortitude

Fortitude refers to the moral strength or willpower to overcome adversities of all sorts and the courage to suffer pain for the sake of attaining other goods. When the patients were asked whether they would put up with pain or inconvenience to attain a good in the future, all of them responded affirmatively. Several indicated that undergoing dialysis treatment was evidence of fortitude. One man stated, "Yes ... I think I'm suffering enough". Another patient related that she had coped with many losses recently, including a number of deaths in her immediate family and her illness. She indicated that she had the courage to overcome her problems and to continue in her pursuit of other goals in life. In one case, a man

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Other Moral Goods

Good temperment is a moral good that five of the subjects indicated that they possessed. The man stated that he had become better tempered wince he started dialysis, because his outlook on life had changed. However, five patients reported that they were irritable, that is, they lacked good temperment. One man stated, "I am very irritable. I've always been short tempered but I have been able formerly to restrain my temper better than I can do now". One woman stated, "My nerves are not good. Everything irritates me". The patients reported that their irritability was a result of many things: fatigue, noisy grandchildren, difference of opinion with others, and anger regarding personal deficiencies.

The patients indicated that they possessed a number of other moral goods. All but one of them said that they were persistent. All of the subjects stated that they were "relatively" open-minded. Two patients reported that they were "honest to a fault". Two men stated that they were "perfectionists".

Goods of Personal Association

Goods of personal association refer to possessions in the form of a person's relationships with people, such as friends, family, and spouses. All of the subjects reported having close friendships and nine subjects reported that they had satisfactory family relationships. All of the six subjects who were married reported that they had good marital relationships. Table 4 depicts each patient's possession or privation of the goods of personal association. Possession of Privation of Goods of Personal Association

Throads of Personal Association

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	14. 1	Friendship	Famils Relationship	Marital Rélationship	
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Friendships

A friendship refers to a mutual caring relationship that exists between the people who are not related to each other and on activation to worthing profiles. All of the subjects reported that they had at reast one three does and they visited regularly and in whom they confided. A lot the subject for the there is their friends were aware of their illness and treatment. The patients is enough the transformed that they haven't had any friends drop us because of my times. She thought the worth they friends maintained their contacts with her indicated that they worth they received support and encouragement from their friends and that their friends were available to help them with other things as needed. Two patients stated that they did not require any emotional support from their friends (or others). One of these patients referred to his relationships with his friends as a "mutual appreciation admiration society".

Family Relationships

A family relationship refers to a relationship that exists between a person and his/her relatives. All of the patients possessed family relationships. Such relationships were of obvious importance to the subjects. One patient stated that he had siblings but that they did not see each other regularly: "I get along with them when I do see them. Neither one makes an effort". This man also had children whom he saw infrequently for a number of personal reasons. Some of the patients described the problems inherent in their family relationships. In general, the subjects reported receiving more help from their family members than from their friends. A daughter and a brother assisted with the dialysis treatments of two of the patients. Other types of assistance received by the patients from their family members included financial help, help with physical activities (such as

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m - is the lawn and house eeping, and moral support. Three patients stated that a simily momter had offered them one of their kidneys for transplantation. reconstance of the patients reported that they would do whatever was reconstance help their family numbers.

Marit- Relationship

A marital relationship refers to a type of friendship that exists between two prople who have made a legal or verbal commitment to each other. It is usually characterized by a strong feeling of affection, devotion, and caring between the two people involved who would do whatever may be necessary to improve or enrich the life of the other person. All six of the subjects who were married reported that they had good marital relationships. Four spouses helped with the dialysis treatment.

Most of the subjects talked about their sexual functioning when questions about their relationships with other people were under discussion. One man reported that intimacy was more important to him now than the physical act of sexual intercourse. Another man stated, "I am not impotent but I have no desire anymore. If she expresses a desire, then we have sexual relations, but it has to come from her. It no longer comes from me, and it used to be the other way around[#].

Professional Relationships

Some of the patients described the relationships they had with their health care providers. Five of the patients reported that the hospital staff members were very supportive. One man, of higher social standing, indicated that he considered some of the physicians to be his friends.

Peer Kriationships

with regard to their peer relationships, that is, the casual relationships they had with others in the community to whom they were not particularly close, three patients indicated that they had little, or no contact with the other dialysis patients, by their own choice. Two patients reported that they had peer relationships with people they met through community work. Gone of the subjects had developed peer relationships with members of the hidney foundation, although many of them indicated some familiarity with the activities of the organization.

Social Goods

Social goods are those possessions that relate to human dignity, such as equality of opportunity, equality of treatment, and equality of status. Only four of the subjects indicated that they possessed equal opportunities for jobs. Eight he subjects indicated that they possessed equality of treatment and equality of status. It is notable that many of the subjects identified that they received special treatment, because of their illness. Table 5 depicts each patient's possession or privation of the social goods.

Equality of Opportunity

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Equality of opportunity refers to the circumstance where people have the same or equal condition when beginning an activity. Four of the subjects indicated that they possessed equal opportunities with others for such things as jobs. However, the remaining six patients stated that they did not have equal opportunities for some jobs... One man stated, "You can tell on people's faces when they interview you. Right away - 'oh you've got kidney disease - sorry'". Another patient stated, "They say, 'Oh that's alright, we know you've got a problem but

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Table 5		

Possession or Privation of Social Goods

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Equality of Equality of Equality of Opportunity Treatmeat Status Subject Number 1 ¥. 2 3 4 χ · X 5 1 6 χ ١ 7 X λ Х 8 λ χ < 9 Х х Х 10 Х х Х 4 ¢

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That dreshin matter. This has in the back it really duest, the marital end arout ext having the same opportunity as a wirdlah for a particular so for which he was apply hp.

Equality of Treatment

If the 10 subjects, h indicated that they possessed equality of treations, which refers to the circumstance where prople are treated equality with respect to the fulfillment of their needs as human beings. Must of the subjects indicated that they even received special treatment because of their disease. The patient stated, "I tend to notice that they're a little bit more - maybe nicer", the man stated, "At one time ... I'd go to a party and the guys would say, 'Let's go into the kitchen and have a couple of shooters' ... Now they'll go but they won't ask me because they know I've got to watch my fluids and they know I don't drink like t used to". In another case, a woman commended that she was prohibited for other employees.

One man indicated that he was not treated equally when he was in the hospital, he thought he had been treated like "a blob of meat". Another man indicated that he was treated like a "yo-yo" at work. The subjects who reported being treated equally made comments similar to the one made by a man who said, "L treat them as normal healthy people and they treat me as normal healthy people [sic] because I do not present myself as anything else". One man made an interesting point, when discussing his working conditions, which left something to be desired; he stated, "If you're going to be equal, you're got to be equal in the bad things as well as the good".
Equal ty of status

Equality of status refers to the state where a person's standing or position in society is considered to be the same or equivalent to others in the sense of their humanness. This equality is closely linked to equality of treatment and opportunity. When the patients were asked about whether they were respected by others in the community, all but two of the subjects responded positively. The subjects who responded negatively were the ones who reported being treated differently from others. In some cases, the patients thought that they were respected more than other people because they were able to overcome adversities.

Political Goods

Political goods are those possessions that relate to government and governance of a person, such as political liberty, protection from harm, and freedom of action. Reports of 9 of the 10 pasients indicated that they had political liberty, in that they had the freedom to participate in decisions that affected them. Many of them provided explicit examples of their involvement in making medically-related decisions. However, only two patients could state without qualification that they had freedom of action. Most thought that they were restricted by their condition, particularly in relation, to travel. Seven patients indicated that they felt safe from harm, Table 6 depicts each patient's possession or privation of the political goods.

Political Liberty

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Reports of 9 of the 10 subjects indicated that they possessed political liberty in the sense of freedom to participate in decisions, the outcomes of which affected them. All of the patients reported/that they were consulted regarding major decisions in the home. In relation to dialysis, most of the patients made

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Table 6

Possession or Privation of Political Goods

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No "X" indicates privation of the shall good to the extent required to have a good life, as judged by the investigator in light of the Aristotelian-Thomistic philosophical theory of the good life.

comments similar to the following one "I do it all basically, other than those things that are beyond my control ... I question it, I want to know about it, and I try to influence the decision, good or bad". One man stated in relation to the hospital staff, "I know enough that people won't get too intimidated if A ask questions. Ethink it's only right, that's my right as a person let alone ... patient". Another man referred to his freedom to make his own decisions by stating, "Whatever they [home dialysis staff] taught me !'m doing because that's what keeps me going, but I'don't listen to everything they say to me ... You (referring to himself] know what you can do and you can't do". One man reported that he was permitted to select a specific brand of dialyzer and needles. Another man stated that he was surprised to find that the staff responded to his written concern-relating to the safety of his machine; The staff performed an "experiment". The result was an upgrading of his existing equipment. In one case, a man spoke of how he was permitted to modify his dialysate composition when he dialyzed in an institution out of the country. The only man who indicated that he did not have political liberty, in the sense of participating in his care, had been involved in a dispute with the home dialysis staff. He thought that the staff did not understand his need for a specific aspect of his regimen which differed from that conventionally used by dialysis patients.

Freedown of Action

Only two of the subjects indicated that they possessed the liberty to act as they pleased within the constraints of justice. Nearly all of the patients complained that they were not free to travel. One man stated, "I would love to be able to go to Hawaii when I want to and not have to wait until I'm accepted there [referring to receipt of notification that the dialysis unit in Hawaii could and be have him], so I miss the freedom of movement very much".

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Although a number of the patients had had some experience travelling since they had started dialysis, one man stated, "It's like captive moderation ... you be black in two days or you're going to feel rough". Another man stated, "Other people could <u>[sic]</u> be out running around doing things and I have to sit here, or other people can go on holidays at the drop of a hat and I have to make arrangements". The reports of four patients indicated that they were privated of freedom of action, they stated that their activities such as shopping, housecleaning, and playing volleyball were limited by their condition and the resultant lack of energy. The patients who indicated that they possessed freedom of action reported that they had become so accustomed to their routine that they no longer felt restricted. They seemed to possess enough freedom to have a good life.

Protection from Harm

Protection from harm refers to the state of a person's safety. Seven subjects indicated that they thought that they were safe from harm. One man stated, "Nobody would harm me. I've been harmed enough". Most of the patients indicated that they lived in safe neighborhoods. However, on **e** man reported that he kept a large dog and a loaded gun in his bedroom to protect his property. Another man, who had been robbed twice, stated, "... what if they screwed up my machine". A woman expressed concern regarding her condition should she ever be kidnapped.

Economic Goods

Economic goods are those possessions or financial resources that a person needs in order to have a good life, such as free time, wealth, a means of subsistence, working and living conditions conducive to health, availability of medical services, and opportunities for self improvement. Of the 10 subjects, only

A reported that they had enough free time to enjoy life. However, every subject, at some point during the interviews, expressed the desire for more free time or identified some activities that were limited by time. Since of the subjects stated that they had enough wealth to enjoy life. Also, seven of the subjects indicated that they had a means of subsistence. All but two subjects indicated that their living conditions were conducive to health. In four cases, the reports of the subjects indicated that their working conditions were not conducive to health. For the most part, the subjects thought that necessary medical services were readily available. However, nearly all of the subjects had suggestions for improving the available health care services. All of the subjects indicated that they had opportunities for self-improvement, but many of them did not take advantage of these opportunities. Table 7 depicts each patient's possession or privation of the economic goods.

Free Time

Only four of the subjects indicated that they had enough free time, that is, time not devoted to work that can be used to improve oneself or society. It was interesting to note that three of these four subjects were not employed, possibly explaining the amount of free time available to them. However, even the patients who reported that they had sufficient free time made comments such as, "It seems like the machine takes up so much of your free time". The patients who were working indicated that they had little or no free time on the days that they dialyzed. As well, several patients reported that they did not have enough time to pursue activities such as taking more courses, visiting with friends, and spending time with family members. When asked if they had enough time to do nothing, if they so desired, most of the patients reported that they participated in a wide



Possession or Privation of Economic Goods

Economic Goods

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No "X" indicates privation of the real good to the extent⁴ required to have a good life, as judged by the investigator in light of the Aristotelian-Thomistic philosophical theory of the good life.

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Table	7
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Possession or Privation of Economic Goods



"X" indicates possession of the real good to the extent required to have a good life, as judged by the investigator in light of the Aristotelian-Thomistic philosophical theory of the good life.

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Wealth is a financial or economic resource that results in prosperity and consists of such possessions as money, capital, and material belongings. All hut one of the subjects reported that they had enough wealth to provide for their meeds and to enjoy life. Seven patients stated that they owned their own homes, and several reported that they had other investments and resources. Three patients indicated that they were "well off". One man stated, "I can do anything I wanz ... my needs and my wants - I have all the money in the world for them". Another man, however, said, "Financially, too, lit's been a little bit harder since I've been on the machine because I've changed jobs and took a lesser wage". However, this man reported that he had enough money to meet his needs. He desired more money to do things such as "finish" the basement. The man who reported that he did not have adequate financial resources to enjoy life stated, . "We just manage - if we both had a job"... He had been unable to find work. Although his wife worked, they incurred additional expenses as a result of the dialysis treatment. They needed a larger, more expensive apartment to accommodate the machine, and his medications cost them \$50 a month. They could not afford to go out socially or to travel.

Means of Subsistence

Wealth

Means of subsistence refers to the work done or the ways used to earn a living. Six of the subjects worked to earn a living; one man was a tradesman, one patient was a manager, two subjects were blue collar workers, one patient worked

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30. 62 4 in retail sales, and one patient was a farmer. One man, who was retired, reported that he had "significant business interests". The remaining three subjects were not working, they indicated that they were provided with financial resources or a means of subsistence by their family members. Two of these patients thought that these resources were adequate. Hence, only one patient reported a privation of wealth.

Working Conditions Conducive to Health

- Working conditions conducive to healthyrefer to the circumstances related to health under which a person works. Of the six patients who were working, the reports of only two of the patients indicated that they possessed working conditions conducive to health. One man who possessed good working conditions stated, "My hours are fairly flexible ... if I want to leave during the day then I can". Another patient reported that her employer scheduled her work around her dialysis timetable. Three of the patients complained that their work environment was dry and dusty, contributing to their thirst. Two patients stated that they worked long hours, up to 14 hours a day on occasion. In one case, a man was concerned about the possibility of accidentally cutting his fistula at work; he reported that he frequently received cuts and nicks on the job. A farmer, who basically created his own working conditions, stated that he was exposed to a number of pesticides and herbicides.

Living Conditions Conducive to Health

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Living conditions conducive to health refer to the circumstances conducive to health under which a person lives and travels. The reports of all but two of the subjects indicated that they possessed living conditions conducive to health. The two subjects who indicated that they did not possess this good reported that the

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dry, bet, summer climate made them thirsty, hence, they drank ton much fluid and risked fluid overload. However, all of the patients reported that their housing was adequate. Many showed the investigator their dialysis rooms. Fight subjects reported that they owned and used cars as a means of transportation.

Opportunities for Self Improvement

All of the subjects reported that they had opportunities for self improvement, that is, they had external resources available to them to assist them in the enhancement of their skill, knowledge, or character. Most stated that they could read or watch selected television programs of increase their knowledge. The were aware that courses were available, but seven subjects stated that they had no desire to participate in them. Three patients reported that they had, in the past, organized their schedules to take advantage of opportunities to increase their knowledge. In relation to their illness, all of the patients could identify opportunities to increase their knowledge. One man stated, "All you have to do is ask and you could get all kinds of information and books and stuff they home " dialysis staff] could suggest you read". All of the subjects indicated that they were aware of groups such as the Kidney Foundation and of classes in the hospital that were available for them. However, three patients stated that they were reluctant to participate in these classes. They indicated that many of the patients were not as healthy as they were and they did not want to spend their free time being reminded of their illness. Several patients also indicated that, although they possessed the opportunities to improve themselves, they lacked the time to take advantage of some of the available opportunities.

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Availability of Health Services

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Availability of health services refers to the existence of health services and ease of access to health care. All of the patients recognized the availability of dialysis treatment. Most of the patients expressed appreciation that the government provided them with a machine and supplies for dialyzing. One man stated, "If I had to buy the machine and pay for all this stuff. I think I would learn to steal". The support of nursing, technical, medical, and social services staff was acknowledged. However, all but two patients had suggestions for improving health services. One patient suggested that beds should be softer and more televisions should be purchased for the incenter dialysis unit, one person said that he would like medications to be provided without charge. Another patient thought that the government should pay the mortgages on the homes of dialysis patients. Yet another man thought that the government should purchase kidneys from living donors, he thought that this would save money in the long run. Difficulties with travel arrangements were of concern to two patients. One man stated, "I think ... dialysis facilities are very inadequate. The free movement of Camadians within Canada is very restricted and I think it is unfortunate and should be changed. There should be holiday dialysis centers away from hospitals, limited care centers ... It takes six months to get your money back from Medicare and if you've been away for four weeks and you pay \$250 for [each] dialysis, it adds up to several thousand dollars which you have to pay out of your own pocket".

Possession or Privation of Instrumental Means

to the Real Goods

Instrumental means refer to the actions performed by human beings or the set of circumstances that operate to bring about possession of the real goods. The patients possessed or were privated of five types of instrumental means:

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providing can means, mental means, social means, economic heans, and moving numerical means. Each type of instrumental means is presented in relation to the types of real goods to which it is related. Table 6 depicts the instrumental means which the patients possessed, and Table 9 depicts the instrumental means of which the patients were privated.

Physiologica' Means

Physiological means are those means that directly involve a person's bodily functioning or action upon a person's body or body parts. There are three major types of physiological^{*} means nourisbing activities, "treatments, and state of health.

Hourishing Activities

Nourishing activities refer to those activities a person naturally carries out on a regular basis that serve to feed or sustain the body. They include, resting and sleeping, exercising, and eating and drinking.

Resting and Sleeping. The nourishing activities of resting and sleeping refer to the acts of relaxing, sleeping, and not moving. They were involved in the acquisition of goods of the body, goods of the mind, and goods of character. Eight of the subjects stated that they needed and received seven to eight hours of sleep per night. The other two patients reported that they only slept for four or six hours a night. Three patients reported that they took afternoon naps; three patients needed short rest periods during the day. With the exception of two⁻ patients, who received only four to six hours of sleep and were privated of an adequate amount of this means, the patients' reports indicated that they received adequate sleep and that rest and sleep resulted in their health and vigor. One man stated, "My whole well-being depends on how much sleep I get. If I don't get

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TABLE 9

PREVATION OF INSTRUMENTAL MEANS TO THE HEAL (3XX)S

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INSTRUMENTAL MEANS

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ercugh single eventions is a criterial three subjects ondicated that they rested to in prove their health. Examples such as iving down to alley ate a headache were provided. In relation to vigor, several patients stated that they went to hed early, and other patients stated that weekends were used to catch up on sleep, so that they would have the energy to work during the following weeks. Three patients stated that they took short rest periods when they were performing activities, such as mowing the laws, house cleaning, or shapping.

Resting and sleeping were also involved in the acquisition of goods of the mind. One man stated that "good rest and sleep" affected his feelings about dialysis and other things. He said that he was much more likely to feel positive about his situation when he was well rested. This man also indicated that he was dess likely to become irritable if he had enough sleep. Therefore, sleep was also a means involved in the acquisition of goods of character. With regard to the two patients who indicated that they were privated of an adequate amount of these instrumental means, one of them reported that his ability to remember, to concentrate, and to judge were not as "sharp" when he lacked an adequate amount of sleep.

Exercising. Exercising, that is, the act of using the body's muscles or exerting the body, was involved in the attainment of goods of the body. Six patients stated that they participated in some form of exercise to maintain their health. Three patients stated that exercise helped them to prevent constipation and one patient reported that exercise promoted sleep. The reports of five patients indicated that they exercised to some extent to increase their vigor. Walking was the most commonly reported form of exercise in which the subjects participated. Some of the subjects reported that they occasionally played recreational football, did aerobic exercises, and did weight lifting. No patients indicated a privation of this instrumental means.

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Integrand intering, all the batterine at rates in depth and entry from the unit the consumption of garges types and quantities. If is don't up as a reads involved in the augustion of gards of the trids. As well, so me patients discussed diet as a means to goods of the mode frame. If the subjects reported that they did out need to follow any specific distance games and they eah mated in their specific laborators values that warranted individualization of their distance, the majority of the patients stated. If their future when eat what musupposed to the restrictions were not suggested by a physician. The patients undertook them because they thought that they would benefit from such a regimen. Several patients reported that they avoided foods high in potassium to prevent cardiac arrhythmias and foods high in sodium and fluid to prevent fluid overload. The patients reported that they tried to prevent constipation by cating bran, and raw fruits and vegetables, and by drinking coffee, prune juice, and adequate amounts of fluid.

All but two of the subject reported that they restricted their fluid intake to prevent fluid overload. The actual volume of fluid consumed by the patients, as reported by them, ranged from 600 ml to 3 L a day. Two patients reported that they had no need to restrict their fluid intake since they were able to eliminate sufficient quantities of fluid. Six patients reported that they no longer consumed alcoholic beverages. Two of these subjects indicated that they had developed a distaste for alcohol since starting dialysis. These subjects thought that their nonconsumption of alcoholic beverages was contributing to the enhancement of their health. In contrast, another man thought that drinking beer helped to increase his urine output.

Eating and drinking were also means involved in the acquisition of goods of the mind. One man indicated that his mental abilities were better when he

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watched" his diet. Another subject thought that alcohol and coffee decreased his "memtal abilities so he generally tried to avoid these beverages. Similarly, another "thent indicated that his good eating habits helped him to maintain his pleasurable feelings about his illness and his life.

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Several patients indicated that they did not always use the instrumental means, "eating and drinking" appropriately. An unmarried patient ate very poofly, he consumed mostly bologna sandwiches and "fast foods". Most of the patients reported that, at times, they did not comply with their dietary regimens. For instance, one woman stated, "I kind of cheat once in a while and go have a hamburger and chips, or a pizza – but not very offen". She thought that this noncompliance could contribute to her loss of health if continued to the extreme. Two patients drank heavily; they consumed at least three drinks every night and, on weekends, the quantity increased. One man indicated that drinking alcohol privated him of health, he felt ill when he drank. Another man noted that he developed a decrease in vigor when he drank too much fluid.

In one case, a man indicated that his prescribed definited his freedom of action. He thought that his diet prohibited him from eating what he wanted to when he went out. His need for a special diet kept him from visiting friends and from travelling since he worried about not being able to obtain the right foods, and the complications that might ensue if he deviated from his diet.

Treatments

Treatments refer to the prescribed and non-prescribed technical or artificial means a person uses to augment the nourishing activities. They consist of prescribed treatments, such as dialysis treatment and medications, and non-

Prescribed Treatments. Prescribed treatments are those remedies that are suggested or ordered by a health professional. One of the prescribed treatments, namely dialysis treatment, which involves the extracorporeal remeval of excess fluid, electrolytes, and nitrogeneous wastes from the blood of a person with end stage renal disease, was a reported instrumental means to the attainment of goods of the body, goods of the mind, goods of character, and goods of personal association. However, several patients indicated that their dialysis treatments also interfered with the attainment of goods of the body, goods of the mind, goods of character, goods of personal association, political goods, and economic goods.

Two patients indicated that dialysis was a means to goods of the body. These reported that they felt unwell or "toxic" if more than two days elapsed between their treatments. One man indicated that dialysis contributed to his pleasures of sense. He reported that he dialyzed more frequently than other patients so that he could consume a more liberal diet and this increased the pleasure he received through the sense of taste. This man also believed that dialysis helped to increase the acuity of his senses.

The patients indicated that dialysis treatment was a means to goods of the mind. Two patients reported that, if they were not well dialyzed, their mental abilities, such as their ability to communicate, were not as good. They, therefore, made efforts to ensure that they dialyzed adequately. Two patients indicated that dialyzing well helped them to maintain positive or pleasurable feelings about warious things.

One patient referred to dialysis as a means to goods of character. He stated that he dialyzed regularly to prevent the irritability that developed if he was "toxic" or not well dialyzed. Two patients indicated that dialysis was a means to goods of personal association since it brought them closer to a spouse or a friend. These patients viewed dialysis as a time when they could sit and talk.

Although dialysis, in fact, is generally viewed as a means to health and vitality for any person with renal failure, most of these patients indicated that it contributed to a privation of several goods. They associated dialysis with adverse symptoms, such as headaches, muscle cramps, nausea, poor coordination, and a decrease in general awareness. Two patients also stated that the machine "wears me out". They were referring to the fatigue or lack of energy that is prevalent postdialysis. One man reported that dialysis impaired his sexual functioning for approximately 10 hours after the treatment.

Three patients stated that, after dialysis, they had more difficulty concentrating and they did not feel as alert. Another patient reported irritability after dialysis as a result of the biochemical changes that occurred during the treatment.

In relation to the goods of personal association, one man reported that dialysis interfered with his family relationships. Dialysis kept him from visiting his father, and limited their visits to weekends.

Five subjects indicated that dialysis privated them, to some extent, of a political good, namely freedom of action. These patients stated that the time involved in dialyzing and the feelings of "unwellness" after dialysis kept them from doing some things that they wanted or needed to do, such as traveling, or shopping.

Several patients indicated that dialysis also contributed to a degree of privation of economic goods, such as free time and a means of subsistence. These patients stated that, if their dialysis time were reduced, they would have more free time. One patient reported that he was currently unable to work because his dialysis schedule prohibited him from accepting shift work.

Medicaytions are chemical or biological substances that are prescribed by a licensed physician for the prevention, treatment, or cure of a disease. The

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subjects indicated that medications were means that were involved in the acquisition of goods of the body. In relation to these goods, several patients reported that some medications contributed to the improvement of their health. For instance, they said that the stool softeners and laxatives alleviated their constipation, calcium carbonate reduced their serum phosphate levels, and the steroyds and a muscle relaxant alleviated other symptoms. One patient reported that an anabolic steroid increased his vigor by increasing his muscle mass.

Several patients also indicated that their medications also privated them, to some extent, of goods of the body, goods of the mind, and goods of character. Three patients indicated that a phosphate binder, aluminum hydroxide, and an "iron pill" contributed to a privation of health by causing constipation. Two patients indicated that a medication, aluminum hydroxide, contributed to a privation of goods of the mind, they thought it caused forgetfulness. One subject indicated that aluminum hydroxide contributed to a privation of goods of character by causing irritability.

Several patients indicated that they used other medical treatments as means to the acquisition of goods of the body. These were methods of managing symptoms, preventing disease, or promoting health, other than by dialysis or the administration of drugs, prescribed by a health professional. For instance, one patient stated that she used ultraviolet light to alleviate a rash and itching. Another patient stated that visiting the physician was one means he used to attain health. Three patients reported that they received regular blood transfusions to maintain their vigor. Two patients indicated that corrective lenses were, for them, means to both health and pleasures of sense. None of the subjects indicated a privation of these instrumental means.

<u>Non-Prescribed Treatments.</u> The patients' reports seemed to indicate that non-prescribed treatments, that is, remedies that a person initiates without the

advice of a physician, where involved in the acquisition of goods of the body, goods of the mind, and economic goods. These treatments included a number of home remedies and smoking.

Several patients indicated that they used non-prescribed treatments to acquire goods of the body. They used various oils, lotions, and conditioners to treat their dry skin and hair. Two subjects reported that they chewed gum to reduce their thirst and to minimize their fluid intake.

Three subjects indicated that smoking, a non-prescribed treatment, reduced the acuity of their senses of taste and s well and reduced the sensual pleasures they acquired through these senses. One man indicated that cigarette smoking decreased his mental abilities.

State of Health

State of health or condition of the body or body parts was a circumstance that operated in the attainment of goods of personal association. One subject indicated that his state of health was involved in the acquisition of goods of personal association. This man stated that he had become more supportive of his wife since he had developed renal failure.

Generally, the reports of the patients indicated that they were privated of the instrumental means, state of health, in that their current health was not adequate for the attainment of real goods, and the ultimate good, the good life. In relation to goods of the body, several patients indicated that their symptoms of end stage renal disease contributed to a privation of health. For instance, several patients reported that their sexual dysfunctions were a result of their renal disease. Sinusitis decreased the acuity of one patient's sense of smell and, therefore, his pleasures of sense. Four patients indicated that their anemia (associated with renal failure) caused a privation of vigor. The reports of several patients also indicated that they were privated if goods of the mind because of the state of their health. One man reported that his ability to remember was diminishing as a result of the normal aging process. Two patients indicated that the state of uremia (or being "toxic") impaired their ability to remember. One person reported that it impaired his ability to concentrate. Yet another man indicated that he had lost faith in God as a result of his state of health. Two subjects reported that their state of bealth caused irritability or a lack of good temperment.

Several patients indicated that the instrumental means, state of health, was not available to them. One woman indicated that her present state of bealth privated her of goods of personal association, she did not feel able to participate in social activities that helped to mainta in her relationships with others.

Four patients indicated that their state of health privated them of freedom of action, a political good. Their current state of health prevented them from undertaking a variety of activities ranging from shoveling snow to working in developing countries.

Although several patients indicated a privation of social goods, only two patients directly attributed this privation to their state of health. These two patients believed that their job opportunities were limited by virtue of their illness. One man was forced to take a lower paying job as a result of his illness. He thought that this decreased the respect he received from others.

The reports of several patients also revealed that the state of health privated them of economic goods. One patient reported that he did not have the energy to maintain his living conditions through regular housekeeping activities. One man stated that if he were healthiers he would be able to work for a living.

Mental Means

Mental means refer to those means that involve a person's mind or intellect and will. These means encompass the cognitive strategies used by a person, and a person's attitudes and approaches.

Cognitive Strategies

" ognitive strategies are methods used by a person to obtain information or facts and to come to know and understand them. The common cognitive strategies that were used by the patients included reading, inquiring, observing, and reflecting.

The patients used cognitive strategies to acquire goods of the mind and political goods. In relation to the acquisition of goods of the mind, all of the subjects reported that they read to increase their knowledge and understanding of not only their illness but also of many other life situations. The patients read everything from newspapers and magazines to medical encyclopediae and medical journals. One patient stated that she read a brochure about sexual dysfunction in renal disease to increase her knowledge and understanding of this problem. Another man stated that he read some studies about the relationship between aluminum and brain disorders. Two patients reported that reading helped them to improve their mental abilities. Also, one man indicated that reading about the physical and psychological aspects of dialysis helped him to reconsider how he fett about his disease and its treatment. Two patients indicated that they used observation as a means to knowledge and understanding. In particular, one man reported that he learned about dialysis by sitting and listening to the other patients in the waiting room as they talked about their disorder.

Four patients stated that they talked to other people and asked questions to increase their knowledge. One man stated that he liked to talk to "professionals"

to increase his knowledge about his disease. The other incree patients indicated that they would ask questions for people that knowl about things they wanted in understand, other cognitive strategies were also used. The man stated that he tried to improve his memory through the use of mental exercises. He mentally reviewed and tried to remember the day's events. Three patients reported that they watched television to increase their knowledge, they reported watching news programs and documentaries. The man indicated that he used cognitive beans to acquire political goods. He spent time reviewing his chart and laboratory results to maintain his political liberty, in the sense of involvement in decisions that maffect him.

None of the patients' reports indicated a privation of the instrumental means, cognitive strategies.

Attitudes and Approaches

A person's attitudes and approaches (that is his her relatively enduring feelings, beliefs, or behavioral tendencies toward people, groups, objects, or ideas) were involved in the acquisition of nearly every type of real good. The patients' reports seemed to indicate that these means were important in the attainment of the goods.

Five patients used attitudes and approaches as means to the attainment of health. They stated that they tried to "live life to the fullest", to "stay active and 'in control of life", and "to maintain your previous workload and lifestyle". They indicated that these attitudes and approaches helped them to maintain their health and vigor. Two patients indicated that their attitude of being appreciative of things around them helped them to attain pleasures of sense.

In relation to the acquisition of goods of the mind, one man stated that he used an aggressive approach to gain knowledge about kidney disease and other

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thomas. Most patients reported that they inheded a "good attitude" to maintain Their pleasurable feelings. Two patients identified that they tried not to feel sorry for themselves. Two other subjects reported that they tried to be positive, accept the situation, and cope as well as they flould. All of the patients said that The positive attitudes about their condition and its treatment helped them to maintain their positive feelings about their lives. The man stated, "If you accept i positivěly, voull do better. If vou don't, vou get problems". Another man stated, "I look at each day ... and dialysis comes second. I don't think about dialysis. You have to do it, yes, but I really don't dread doing it. I really don't give it a lot of thought ... I can't dwell on it because I know it would get me down". Another man expressed a similar attitude when he said, "I feel it's like when you play poker. If you have a good hand, you play it, and if you've got a bad hand you got to play it anyway, so just play it and shut up [sic]. You're not going to get a better hand". One man stated that looking at situations with sense of humor helped him to maintain some of his pleasurable feelings. He found that he felt better about his situation if he could laugh about it. Another man maintained his positive feelings by looking at things "day by day".

Many patients also indicated that their attitudes and approaches were involved in the acquisition of goods of personal association. Two patients tried to avoid placing unnecessary burdens on their family members or friends in order to maintain their relationships. Another three patients stated that they avoided complaining and feeling sorry for themselves in order to maintain their relationships.

Attitudes and approaches were also involved as means to the acquisition of social goods. Several patients reported that their positive attitudes about their illness gained them respect from others. Again, two men indicated that, by not complaining and "feel[ing] sorry" for themselves, they influenced the treatment

the received from others. The man reported that his attitude was that he was contrast and that he expected to be treated tax normall. Another man reported that he gave his "best effort" to everything. The patients thought that these approaches helped to ensure that they get the same opportunities as others for

A few patients indicated that their attitudes f d approaches were means the acquisition of political goods. Two patients indicated that their attitude wanting to be involved in their care helped to increase their political liberts in the sense of involvement in decisions that affect them. Several patients also described approaches they used to maintain their safety. They avoided walking alone at night, they locked their doors at night, and they avoided leaving valuable items in accessible places.

One man indicated that his fattitude of "dofing] the best job 1 know how" s contributed to the acquisition of economic goods. This acquisition helped him to maintain his means of subsistence.

At no time, did the subjects indicate a privation of the instrumental means, attitudes and approaches.

Social Means

Social means, that is, means that involve or arise from interaction between persons, were involved in the acquisition of several types of real goods. There are three categories of social means: maintaining contact, receiving help, and giving help.

Maintaining Contact

things like jobs.

Maintaining contact refers to a person's attempt to continue to interact or communicate with people for purposes other than help; it was an instrumental

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means revolved on the acquisition of groups of the mond, poods of the mond, two subjects and do if personal association. In relation to the poods of the mond, two subjects reported that maintaining contact with kinwledgeable people helped them is increase their knowledge. Another man indicated that his contacts with others exercised to maintain his mental abilities and to increase his pleasurable feelings of about dialysis and life in general.

The namind cated that maintaining contacy with certain people helped him in acquire goods of character. He thought that people influenced him and had an impact on his moral character.

Several patients indicated that their maintenance of contact was involved in the acquisition of goods of personal association. Most of the subjects indicated that it was important to communicate regularly with family members and friends to maintain or improve their relationships. The subjects reported that they spent time with their children, called their friends or family members on the telephone, and remained involved in the activities of their friends and family.

None of the patients indicated a privation of the instrumental means, maintaining contact. \vec{V}

Receiving Help

Receiving help refers to a person's receipt of assistance from others in the form of support, encouragement, services, or resources. These instrumental means were involved in the acquisition of each type of real good. In relation to the goods of the body, two patients reported that they received help with their dialysis from another person; they thought that this helped them attain a higher level of health. One man indicated that he received help in attaining goods of the body from his wife when she ate the same diet that he was required to eat. He also indicated that he received help with managing his dietary restrictions from offer this matrix connections areas for har, taking out consideration is detained to detain the detained that this helped him to maintain his health. One man reported that he received help with respect to ensuring his personal safety trion triends who walled him while he dealyzed to may the was fairight. We considered this to be relevant to his health since he dealyzed alone without the assistance of a here.

Receiving help was also a means proved in the acquisition of goods of the mind, specifically, pleasurable feelings. Many of the patients indicated that the support they received with respect to their emotional adjustment to dialysis from their family members and hospital staff beloed them to maintain their pleasurable feelings.

The help that one patient received was a means involved in the acquisition of goods of character. She stated that her family and friends often "give me the courage to do things", that is, they helped her acquire fortitude.

The patients indicated that receiving help from others contributed to the acquisition of goods of personal association. The subjects stated that they received help in the way of money, services, or support and encouragement from others. They thought that receiving help (and giving help) was necessary for them to maintain their friendships and family relationships.

The help that the patients received, from various organizations which increased public awareness about kidney disease, assisted in the acquisition of social goods. Two patients indicated that organizations such as the Kidney Foundation and the Human Rights Commission contributed to their attainment of equality of opportunity, equility of treatment, and equality of status by increasing the awareness of the general public about the plight of patients with renal disease.

Several patients indicated that the help they received from other people facilitated their acquisition of political goods. Four patients indicated that they

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itie ved he point the attainment of point La Joherts from their burses and physicians who encouraged them to participate in their care. The manistated that it helped him to receive a "push from the nurses" to begin home dialysis. The patients indicated that friends and family were also helpful in the acquisition of political literity, specifically, some patients reported that a family member, spouse, or friend often encouraged them to become involved in activities in which they might not have otherwise participated. These activities facilitated their involvement in decisions, the outcomes of which affected them. In relation to protection from harm, two patients indicated that they received help from others, neighbors watched their homes while they were away.

Receiving help from others was also a means to the acquisition of economic goods. The patients stated that they received help from other people with activities such as setting up the dialysis machine and mowing the lawn, this left them with more free time. One man indicated that he received help with carpentry and maintenance of his house and that this contributed to the acquisition of living conditions conducive to health. Two patients stated that they received help with their housekeeping activities. As well, several subjects mentioned that they received help from the Kidney Foundation in the form of certain health services, such as the mobile dialysis unit.

None of the patients indicated a privation of the instrumental means, receiving help.

Giving Help

The provision of help, that is the offer or provision of assistance to other people in the form of support, encouragement, services, or resources, was involved in the acquisition of goods of personal association and economic goods. In relation to the goods of personal association, the patients indicated that they gave help to innovial a means to the acquisition of contraintenance of goods of personal
association. The subjects reported that they provide the potenties of the systematics
if that whitting, thouse enders, physical categories and ended exchange. The poeas
activities. Several of the outpersite indicated that a mutual exchange. The poeas
at important means to the acquisition of goods. There ends categories.

Three patients indicated that the givine of help to there was a means envolved in the acquisition of one economic good, as a latitity of health services. These patients stated that they helped with various Kidney Foundation function farsing activities. These activities then contributed to the availability of a m number of patient services through the Kidney Foundation.

"sone of the patients indicated a privation of the social instrumental means, in o

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Economic Means

Economic means refer to those means that are financial in nature. They include wealth, work, and time.

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Wealth

Wealth_b (referring to money, property, and possessions) was involved as an instrumental means to economic goods. One patient indicated that he used his wealth to acquire an economic good, that is, living conditions conducive to health. This wealth was necessary because he required a larger apartment to accommodate his dialysis machine. This cost him an extra \$100 monthly.

One patient indicated a privation of the instrumental means, wealth, in relation to the goods of personal association. He reported that he required " greater wealth so that he could visit family members, who lived out of the city, with greater regularity. \mathcal{H}

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Work, that is, labor performed by a person for remuneration, was a means to the acquisition of economic goods. One man indicated that his work was a means involved in the acquisition of health care services. He thought that his employment and that of other patients demonstrated the effectiveness of the dialysis treatment to government officials and that this demonstration would ensure continuing support for dialysis programs.

In relation to the goods of the body, two patients reported that their work caused fatigue and lack of vigor. Another man reported that, as a result of the nature of his work, he sustained many nicks and cuts to his hands. The reports of one man indicated that the nature of his work contributed to a privation of social goods. In the work situation, he was treated as a "yo-yo"; he thought a better job would increase the respect he received from others. The three patients who were not employed did not specifically discuss their privation of the instrumental means, work. However, it was obvious that they were privated of these means to wealth.

Time

Time refers to a span of clock time available or used for tasks or activities. This was an instrumental means of which the patients reported that they were privated. In relation to the goods of the body, three patients reported that a lack of time prevented them from getting enough sleep and exercise, and from eating adequate meals. In addition, one of these patients indicated that he often did not have time to fully enjoy sensual pleasures. For instance, he often did not have time to listen to music. In relation to the goods of the mind, one man reported a lack of time to increase his knowledge and understanding. Also, he

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stated that he had no time to daydre for think. In relation to the goods of personal association, six patients reported a lack of time. The pitients stated that, if they had more time, they would be æble to associate with more family members and friends. One man mentioned that, if he had additional time, he could become involved in community organizations. One man indicated that he was privated of enough time to attain an economic good, namely living conditions conducive to health. He stated that he did not have the time to maintain his pool satisfactorily.

Environmental Means

Several patients indicated that means of an environmental nature, that is, the physical conditions in which they lived and worked, privated them of some of the goods of the body. Two patients reported that the hot weather contributed to their excessive intake of fluids and, thus, to fluid overload. The dryness of the climate was another environmental condition that two patients reported contributed to the dryness of their skin and hair. Two subjects reported that the dust and dirt in their work environments contributed to the development of dry skin, hair, and mouth.

Order of Importance of the Real Goods

The subjects' ranking of the importance of each type of real good was determined using a card sort task at the end of the first interview. Six of the 10 subjects identified goods of personal association as the type of real good which was of most importance to them. When asked to explain the reasons for their responses, one man stated, "... my family is very important to me. That is the reason I am on the machine. If it wasn't for my family, I probably would not carry on with it ...". Three patients ranked goods of the body as being of highest Importance. One of these patients indicated that he would not have ranked this type of real good as highly if his health had been normal. Only one individual ranked goods of the mind as of the highest import. However, goods of the mind were consistently ranked as one of the four most important types of real goods. One man stated, "If I had a choice between a rugged, healthy physique ... and intellectual competence, I wouldn't hesitate. I would take the sick body and take the good brain, ...".

For the most part, the extrinsic goods (political, social, and economic) were "anked lowest by the subjects in terms of the importance of them to them. Some reasons given for this ordering were "I have no problem with ... equality of treatment ... that would be the last thing on my mind", "You worry more about your own life ...", "... considering that weelive in a democratic country ...", and "... the e things are all guaranteed ...". The subjects' ranking of the importance of each type of real good is outlined in Table 10.

Order of Proportion of Time Spent in the Attainment

and Enjoyment of the Real Goods

The subjects' ranking of the amount of time spent in attaining and enjoying each type of real good was determined using a card sort task at the end of the first interview. The patients spent less time explaining reasons for these rankings than those relating to the importance of the types of real goods. Howeyer, four patients indicated that they ranked goods of personal association as consuming the most time because they were always interacting with someone. Three of the 10 patients said that they spent the most time' in attaining and enjoying economic goods. This was because they spent a great deal of time at work. Although three patients spent the highest proportion of time in acquiring and enjoying goods of the body, another four patients ranked the proportion of time spent in attaining

Table 10

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Rank Ordering of Importance of the Real Goods

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Goods of the Body	٢,	۰.	١	\$;	;	ŧ.	*		:
Goods of the Mind	1	2	4	2	4	\$	2	۰.	4	, -
Goods of Character	4	4	2	4	4	`	÷	4	٢	5
Goods of Personal										
- Association	2):	1	1	٢	6,	!	1	Ň	;
Economic Goods	7	3	5	5	2	4	5	t,	\$	*,
e Social Goods	3	7	6	6	3	5	4	5		٢,
Political Goods	5	5		7	6	7	7	7	6	

"1" indicates the highest possible rank and "7" indicates the lowest possible rank.



and enjoying these goods fourth or lower in the rankings. Several patients stated that they spent little time maintaining their health apart from their dialysis. Even dialysis time 'considered as time devoted to the goods of the body, was used to attain other goods through such activities as reading and interacting with people. Again, political and social goods were ranked lowest. As one patient said "... you can't do much about them ...". The subjects' ranking of the proportion of time spent in the attainment and enjoyment of each type of real good is outlined in Table 11.

Summary

According to the Aristotelian-Thomistic philosophical theory of the good life, all people must possess and enjoy all the real goods in the right order and proportion in order to have a good life. The subjects of this study reported that they had fairly good general health, in spite of their illness. Only two patients reported having good energy or vigor. Seven patients indicated that they possessed vitality and nine patients indicated that they enjoyed pleasures of sense. In relation to the goods of the mind, all the patients stated that they possessed fairly good knowledge and understanding about various things, five patients indicated that they had no serious privations of the mental abilities about which they were asked, four patients indicated that they had faith in a higher being, and five patients indicated that they possessed pleasurable feelings. With regard to the goods of character, most of the subjects indicated that they acted températely, justly, and that they possessed fortitude. At least five of the patients indicated that they possessed at least one other moral good.

Essentially, all of the patients indicated that they possessed goods of personal association. In relation to the social goods, four patients suggested that they possessed equality of opportunity and eight pathents indicated that they

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Table 11

Rank Ordering of the Proportion of Time Spent in

Attaining and Enjoying the Real Goods -

Rical Goods			R	ank)	r d e r in	ng by s	ouble.	t Nur	tier.	
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Goods of the Mind	i	2	-4	3	5	<i>,</i>	2	2	,	.:
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"1" indicates the highest possible rank and "7" indicates the lowest possible rank.

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possessed equality of treatment and status. Since of the subjects indicated that they possessed the political good, political liberts, in the sense of involvement in decisions that affect the person. Only two subjects indicated that they possessed satisfactory freedom of action and seven patients reported that they were protected from harm. In relation to the economic goods, four patients stated that they had enough free time, nine patients indicated that they possessed enough wealth to live well, and two of the six patients who were working indicated that their working conditions were conducive to health. Seven patients indicated that their living conditions were conducive to health. All of the patients indicated that their living conditions were available to them, and that they had opportunities to improve themselves.

The patients indicated that a wide variety of means were involved in the acquisition of each type of real good. The instrumental means that were most commonly involved or used to attain nearly every type of real good were attitudes and approaches, and receiving "elp. The patients' reports seemed to indicate that they were also privated of instrumental means to some of the real goods. Specifically, they indicated privations of the following instrumental means: some of the physiological means (resting and sleeping, and state of health); economic means (time, wealth, and work); and environmental means to the real goods.

In relation to the importance of the real goods, it was found that the patients ranked goods of personal association highest. Political, social, and economic goods were ranked lowest in importance.

In relation to the time spent in attaining and enjoying the real goods, it was found that the subjects spent the most time in attaining and enjoying goods of personal association. The subjects who worked indicated that they spent a large

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V. DISCUSSION AND LIMITATIONS OF THE STUDY

Discussion of the Findings

The responses of the borne bemodialssis patients in this study revealed that they were seriously privated of some real goods. Over half of the subjects indicated that they were privated, to some extent, of health, vigor, spirituality, preasurable feelings, freedon of action, and free time. According to the Aristotefran Thomistic philosophical theory of the good life, such privations may prevent the subjects from attaining the total good, that is, a good life, unless they are overgome and the patients are able to acquire these real goods later in their lives.

Although many of the subjects reported that their health was good or fairly good, none could be labelled as "healthy" by the study's definition of "functional and structural integrity". It has been noted by researchers, that posing broad questions about health and satisfaction generally elicits a positive response. More detailed questioning uncovers areas of concern and difficulty (Antonovsky, 1979, p. 35). This phenomenon seemed to operate in this group of subjects, they reported good health generally, but when they were asked about specific aspects of their health, such as mobility or sexual functioning, their responses revealed that they were suffering substantial degrees of privation of this real good. Also, since the patients were not provided with the investigator's definition of health when the question regarding their health was posed, it may be that they responded using another view of health. This suggests that their reports of good health may not have been indicative of their possession of the real good, health, as defined by a the investigator.

The findings of the study relating to the goods of the body and goods of the mind are consistent with those reported in the literature. It has frequently been

In fed that datents with renal tallore have instanced health and experience diffrations of their elementation patterns, sexual function equand skiel and phare und tops. Similarly, it has been recognized that the area a related to be failure causes fatigue lock, ack of vigor, and that healthy and growth may be impaired with renal failure lock, lack of vigor, and that healthy and growth may be inflation to the pools of the mond, privations of some mental abilities, such as the abilities to concentrate and remember, have been recognized among patients with renal failure to other researchers (Jungers, Jungraff, Man, Drucke, & Tardieu, 1978). Several patients were able to link the ingestion of one of their medications, aluminum hydroxide, to deficits in their mental abilities, link problem has recently become an area of greater concern in nephrology. Affrey, Deficience of their knowledge and understanding of this problem and of the increasing concern of nephrology nurses and physicians about the problem.

A great deal of data was obtained pertaining to the patients' feelings. The patients tended to focus on their negative feelings. Although some subjects expressed pleasurable feelings, more negative feelings such as anger, resentment, and fear, were reported by the subjects. It may be that this focusing by the patients on their negative rather than positive feelings is an indication that the gatients were feeling overwhelmed by their privations. In any case, feelings such as fear of needles, anger with hospital staff, and resentment about restrictions have been frequently reported in the literature in relation to dialysis patients (Kaplan De-Nour & Czackes, 1976; Kaplan, De-Nour, Shaltiel, & Czackes, 1968, Levy, 1974). Although the patients did not report many pleasurable feelings, they indicated that they had adjusted to their illness and that their attitudes and approaches were instrumental in this regard. The attitudes described by the

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It is also of note that the patients spent more to me taiking about their remines about the hospital staff than they did about their feelings in relation to their families or friends. However, it is doubtful whether this reflects the importance of these various people to the patients. It is whe that they thought if at the investigator was particularly interested in their relationships with the hospital staff called the or specific questions were asked with regard to these infationships or that she could effect change in this area.

The patients' feelings related to the other patients were surprising. Some patients specifically avoided interaction with other dialysis patients because of their feelings of hostility or sadness towards them. It might be expected, on the basis of the literature, that these patients would form a peer resource group to help each other with regard to minimizing the stigma associated with the disease (Becker, 1981). It is difficult to explain why the patients had these feelings, but it was obvious that they had been distressed by seeing other patients who were not faring as well as they were.

Death and dying did not seem to be of great concern to the patients. They appeared to be aware of the possibility of death, but few expressed great concern about dying. This finding is consistent with the finding of Kravette (1978) but contrary to the findings of other researchers who found that the fear of death is commonly reported by dialysis patients (Anger, 1975; Dickerson, 1980).

Most of the patients' reports seemed to indicate that they possessed the goods of character. Patients with renal failure have many opportunities to develop their moral virtues. They are continually faced with challenges and adversities; they are frequently required to make decisions involving temperance, courage, and justice. Since the moral virtues are acquired through practice, it

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max le that the patients of this study were at eith develop their minal virtues as a result of their attempts to deal with the challenges and difficult evitate they described.

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It was difficult to attempt to accurately assess the patients' possession of goods of character. The questions that were asked of the patients were general, and few in number. Although most of the patients reported that they possessed the moral goods, it is possible that they provided socially desirable rather than valid responses. A comprehensive assessment of the patients' possession of goods of character would require another study. However, the possession of these goods may be among the most difficult to study scientifically since it is likely that responses to questions about moral character are subject to a response bias. People may give socially desirable responses to questions mixing it their character. Also, objective measures of goods of character are not, as yet; available to validate reports of possession of these goods.

It was obvious that personal relationships (i.e., goods of personal association were very important to the subjects. Not only did the patients identify the importance of this type of real good in the card sort task but they also frequently mentioned their families and friends during the interviews and reported that the help' they received from others was an important means to some of the real goods. These findings are congruent with the Aristotelian-Thômistic philosophical theory of the good life in that, in this theory, human beings are thought of as social beings and as interdependent; they aggregate for their common good. It would be impossible to attain the real goods without goods of personal association. In the literature it has been demonstrated that social support is associated with both physical and mental well-being of both dialysis patients and ...groups of people in normal populations (Dimond, 1974; Dimond & Jones, 1983; MacElveen, 1972; O'Brien, 1980).

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The read to it treagment, status, and reportants of phone electrones. failure tak on thread which attend on the processorial interational organization . It is study, several patients reported that they throught that they were est innated equally in given equal opportunities because of their illness. West of the parients throught that they received special treatment because of their dimess. This dependence suggest that these patients were privated of equality of treatment. Solver (1) $k_{m_{1,2}}^{m_{1,2}}$ is taken that burnary beings are equal only with respect to their burganness, $\left(\int_{-\infty}^{\infty} a^{(1)} \right)$ other respects such as intelligence, health, talent, and virtue they are unequal. It is quite appropriate that these patients were treated Concernat differently because of their illness. This special treatment may have helped them attain equal opportunities with others. The patients who were privated of equality of treatment were not treated as human beings. It is possible, although unlikely, that the problems that were described by these patients are unique to these subjects. Nevertheless, this area deserves greater attention and further study, especially in the case of people who are experiencing inequities because of their illness, since the social goods are necessary constituents of a good life.

In relation to the political goods, the patients suffered some privation of freedom of action. Generally, it appeared as though the illness may have limited the patients' freedom of action. If, in fact, the illness privated the patients of this political good, this would imply that the patients would also be privated of a means to other real goods and to a good life, unless something occurred to change the situation. However, it may be that the patients desired more freedom of action than is necessary to have a good life. Some of them wanted the freedom to travel wherever and whenever they desired. Such freedom is more than necessary to meet natural needs.

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It thes in relation to both point call and exercise is not speared as the unit of the subjects were expecting the productment to be point is meet their wants rather than their needs. For instance, one can stated that the hearts services were of a depuate because provision was not made for how to travel as extensively as the would like. Another man thought that mortgages of patients with renal failure should be assumed by the givernment. These statements servto indicate that the patients desired means above and beyond what human beings have a right to expect from a government. A good government should be'p people attain only the real goods that they cannot obtain by themselves or with the interests of individuals must be subordinated to the welfare of society as a whole (Adler, 1984).

In relation to the economic goods, it appeared as though the patients, were most seriously privated of free time. Those patients who were working had a particular problem with the acquisition of this type of real good. It appears as though both dialysis and employment occupied so much of the patients' time that little free time remained to pursue other real goods. This is of major concern, since free time is required to pursue leisure activities, a means to the real goods that are high in the scale of goods (Adler 1984). The patients who were not employed outside the home reported fewer concerns about lack of free time. Although dialysis time was used to pursue goods of personal association and goods of the mind, it appeared as though some patients required time, other than dialysis time, to pursue such goods. In this particular group of patients, other economic goods, such as wealth, living conditions conducive to health, opportunities for selfimprovement, and availability of health services, were not areas of great concern since, on the whole, they possessed these types of real goods.

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From the available data pertaining to both the real goods and the s instrumental means, it appeared as though the possession of some real goods was related to the possession of instrumental means of the same nature. For instance, the patients who possessed goods of personal association used social instrumental means, such as receiving help, on a frequent basis. The patients who were privated of health were privated of a physiological instrumental means (state of bealth). Also, the instrumental means that were most frequently involved in the acquisition of various types of real goods, that is, a mental means (attitudes and approaches) and a social means (receiving help), appeared to be related to the possession of goods of the mand and goods of personal association. Similarly, the instrumental means of which some of the patients seemed to be privated [i.e., some of the physiological means (rest and sleep, and state of health) and the economic means (wealth, work, and free time)] seemed to be related to the privation of goods of body and economic goods. All of this suggests that a privation of a real good results in a privation of the instrumental means that are similar in nature to the real good. Such a situation could lead to a vicious cycle of privations that could interfere with the attainment of a good life.

It would' appear from the patients' reports that some of the physiological means (dialysis treatment, and medications) and one of the economic means (work) were adequate in that they resulted in the attainment of the proximate ends, the real goods being pursued. However, they seemed to be inadequate for the attainment of the ultimate end, a good life, since in the process of attaining the real goods being pursued, they contributed to a privation of other real goods. For instance, work was a means to wealth for most of the patients. However, some of the patients were exposed to health hazards as they worked. These hazards contributed to a privation of the patients' health; such a privation interferes with the attainment of a good life. It appeared as though the involvement of such

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instrumental means file, means that were adequate for the attainment of a real good and inadequate for the attainment of a good life, was largely outside the control of the individual patient, that is, the patient had little control oper such instrumental means as dialysis treatment and medications. It seems that better instrumental means are needed, that is, those that are adequate for both the attainment of the real goods and the attainment of the ultimate good, a good life.

It was also noted that the patients did not always make appropriate choices with respect to some of the instrumental means, that is easing, drinking, and smoking. For instance, at times, they-chose to smoke or to consume foods which were not appropriate given their condition. This suggests that the patients, in these instances, did not exhibit the moral virtues, such as temperature, and prudence, that is, they did not always make the right choices. In the investigator's judgement, however, most of the patients possessed the goods of character, to the extent required to have a good life, in spite of the occasional inappropriate choices. It appears that these instrumental means were not adequate in terms of either attaining the proximate end, the real good in question, or the ultimate good, a good life. Rather, the means appeared to satisfy a proximate want or desire.

The results of the card sort task were reviewed in light of the Aristotelian-Thomistic philosophical theory of the good life. In terms of the order of importance of the real goods to them, the patients did not necessarily rank the goods of highest order as most important to them. Goods of personal association and goods of the body were perceived by the patients, for the most part, to be of most importance. It may be that these types of real goods were necessary to a greater extent for these patients as instrumental means to other real goods. The data seem to support this hypothesis in that the patients reported a privation of the instrumental means, state of health. They thought that their present state of health interfered with the acquisition of the real goods. Also, the social means, particularly that of receiving help, were used frequently in the attainment of nearly all types of real goods. In terms of the patients' ranking of the extrinsic goods, it appeared as though the patients were not overly concerned about the possession or privation of these goods. The patients indicated that they took these things for granted. This may be a reflection of their perception that we live in what Adler (1978, 1981) termed a "good society".

The findings with regard to the patients' perceptions of the order of importance of the goods are somewhat different from those of other researchers. (ampbell, (onverse, and Rodgers (1976b) found that health was most important to their subjects (representative of the general American population), followed by marriage, family, and government. Harwood (1976) also found that health was most important to his subjects, followed by employment, community, and public safety. In these studies using healthy populations, the subjects rated health higher in importance than the subjects in this study, who had a chronic illness. This may be explained by the hypothesis that people with chronic illnesses have different perceptions of what is important as compared to people who are healthy. However, further study is necessary before any conclusions can be drawn about this matter.

In relation to the order of proportion of time the patients spent in the attainment and enjoyment of the real goods, it is surprising that more patients did not report spending a greater amount of time in attaining and enjoying goods of the body. Several patients indicated that they spent very little time in attaining and enjoying these goods even though such things as dialysis treatment, sleeping, and eating were included in this category. It appeared as though the patients may not have always considered these activities in their rankings. In general, the patients reported spending more time in attaining and enjoying goods of personal

association and goods of the mind. It may be that the time spent in attaining goods of the body is taken for granted, because activities such as sleeping and eating are such a natural part of daily life. Also, the use of mental abilities and interactions with other people can be viewed as continuous activities since people tend to think or use their mind for most of the waking day and people are frequently interacting with others.

In the attempt to measure the concurrent validity of the card sort task with regard to the proportion of time spent by the patients in attaining and enjoying the real goods, it was found that most of the subjects were unable to report, during the interviews, how much time they actually spent, on a daily basis, in attaining and enjoying each type of real good. The patients were able to report that they spent most of their time using their mind and character and interacting with other people but could not give a specific time period that they spent in attaining and enjoying each type of real good. It may be that the questions were not clear. In future studies, it may be necessary to use a different approach to validate the instrument. Perhaps it would be easier for people to indicate specific time frames that they spend in attaining and enjoying various activities that are associated with each type of real good.

The Aristotelian-Thomistic philosophical theory of the good life formed the basis for the theoretical framework of the study. Through the utilization of this comprehensive conceptualization of the dimensions and requirements for a good life, that is, a life of quality, a more holistic study of quantize of life of these patients was conducted than has been reported previously. Considerable data were elicited regarding the patients' possession or privation of the various types of real goods and instrumental means. Once further studies are carried out on patients receiving dialysis treatment for renal failure using this theory and generalizable findings are obtained, nurses should have a better understanding of

what they need to address in relation to such patients' possession or privation of the real goods. As well, they may then be better able to identify the nursing means that could be used to improve the quality of life of patients receiving dialysis treatment for renal failure.

Limitations of the Study

This study is limited in that it does not provide a precise assessment of the patients' possession or privation of the real goods and instrumental means. On the basis of the patients' responses to the questions asked of them, it is difficult to draw firm conclusions regarding their possession or privation of the real goods or instrumental means. For instance, one cannot precisely assess the patients' possession of moral character or goods of the mind on the basis of their responses to a few questions.

Another limitation of the study is that no questions were asked with regard to the patients' enjoyment of the real goods. Since enjoyment of the real goods is an integral part of happiness or a moral quality of life, it is important that a comprehensive study of experienced quality of life address this aspect of the good life.

A further limitation of the study is that no objective measures of quality of life were used to validate the findings. It is possible that a response bias may have operated so that the subjects provided socially desirable responses. However, several objective observations by the investigator helped to validate some of the subjects' reports. For example, on observation, the living conditions of the patients were adequate, as reported by the subjects. The patients' knowledge and understanding of dialysis appeared to be adequate on the basis of informed discussions with the patients and observations made related to the dialysis procedures that were conducted during some of the interviews. Although such observations seemed to substantiate some of the results, it would be desirable to validate all of the findings with suitable objective measures.

The study is also limited, in that the data reflect the patients' perceptions at only one point in time. This is a limitation because it is possible that the subjective mood of the patients at the time of the interviews affected the results. Since pleasurable feelings are a function of the transient, psychological state of a person and may vary from day to day, the patients' reports relating to feelings (and perhaps other real goods) may have been colored by the emotional state of the patients at the time of the interviews.

The results obtained related to the consistency reliability of the card sort tasks are limited because the subjects may have been able to recall their previous responses given that the time interval between the two administrations of The card sort task was only one to two weeks. Ideally, the time span elapsing between the two administrations should be one to two months to reduce the likelihood of recall. However, given the timing of the interviews, it was not convenient to conduct the card sort tasks at a later time.

The results of the card sort task with regard to the proportion of time spent in the attainment and enjoyment of the real goods are limited in that the structure of the task may have been confusing to the patients. By addressing both attainment and enjoyment in one card sort task, it is not clear whether the patients interpreted the task as referring to one or both aspects of the task.

A final limitation of the study is the fact that the sample consisted of a small number of home hemodialysis patients who were selected on a convenience basis and who seemed to be non-representative of the population under study: the patients were considered by the hospital staff to be medically stable, it appeared as though all of the patients had adjusted relatively well to their illness, and no patient had any serious economic difficulties. Thus, the results of this study,

given the small, non-representative sample used, cannot be generalized to any other group of patients or to any other settings.

Summary

The Aristotelian-Thomistic philosophical theory of the good life provided a useful, comprehensive framework for the study of quality of life of 10 home hemodialysis patients. The results that were obtained were examined in light of the theory. Possible reasons for possession or privation of the real goods and of the instrumental means were discussed. The results of the study cannot be generalized because a small, non-representative sample was used, no objective measures were used to validate the results, a detailed, precise study of the patients' possession or privation of the real goods and of the instrumental means were to establish the consistency reliability of the card sort was not carried out, the retest to establish the consistency reliability of the card sort task related to the attainment and enjoyment of the real goods may have been confusing to the patients, and the patients were studied at only one point in time.

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VI. SUMMARY, CONCLUSIONS, AND IMPLICATIONS FOR NURSING

Summary and Conclusions

The purpose of this study was to describe the reported quality of life of a selected group of home hemodialysis patients. The following research questions is were answered. (a, what types of real goods (constitutive means do selected home hemodialysis patients possess? (b) Of what types of real goods are the patients privated? (c) What instrumental means are involved in the acquisition of each type of real good? (d) Of what instrumental means are the patients privated? (c) What instrumental means are the patients privated? (f) Of what instrumental means are the patients privated? (d) Of what instrumental means are the patients privated? (much type of real good? (d) Of what instrumental means are the patients privated? (much type of real good? (d) Of what instrumental means are the patients privated? (much type of real good? (d) Of the patients on each type of real good? (d) What is the proportion of time spent by the patients in attaining and enjoying each type of real good?

The Aristotelian-Thomistic philosophical theory of the good life as interpreted by Adler (1941, 1965, 1970, 1971, 1980, 1981, 1984, 1985) was selected as the basis for the framework of the study because it provides a comprehensive description of a good life, that is, a life of quality. This theory describes seven types of real goods that are necessary for the attainment of a good life: goods of the body, goods of the mind, goods of character, goods of personal association, social goods, political goods, and economic goods. For a person to have a good life, he/she must acquire and enjoy the real goods in the right order and proportion and make good choices in the selection of instrumental means for the acquisition of the real goods.

A series of semi-structured interviews involving 10 home hemodialysis patients were conducted. An interview guide was developed for use during the interviews. It was tested and modified to attain face and content validity. Also, the patients were encouraged to add relevant aspects of their experiences that were not addressed by the investigator. The patients were asked questions

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periamong to each of the real goods and were asked to identify any means that were involvement the attainment of each type of real good. A card sort task was used to determine the order of importance to the patients of each type of real good and the proportion of time spent by the patients in the attainment and mips ment of each type of real good. A series of cards containing descriptions of nach type of real good were presented to the patients. They were first asked to place the cards in the order of importance, to them, of the types of real goods, then they were asked to place the cards in the order of the proportion of time they spent in attaining and enjoying each type of good. A high test i retest reliability was obtained for the card sort tasks when retesting occurred one to two weeks following the initial testing.

The data analysis consisted of a content analysis, in light of the Aristotelian-Thomistic philosophical theory of the good life, of the patients' responses to the questions posed by the investigator about their present life. Categories and subcategories relating to the patients' possession or privation of the real goods and of the instrumental means to the real goods were established. The patients' statements were segmented into analytic units according to the established unit of analysis and distributed over the established categories and subcategories of possession and privation of the real goods and instrumental means. Data from the card sort tasks were reviewed and the patients' rankings were analyzed using descriptive statistical tests.

The following conclusions were based on the investigator's interpretation of the patients' reports, in light of the Aristotelian-Thomistic philosophical theory of the good life, and a few observations made by the investigator. No patient seemed to possess full health in the sense of structural and functional integrity. Because of this privation, and because of the apparent privation of the real good, vigor, the patients seemed to be privated, to some extent, of goods of the body. In the align to the goods of the mond, it seemed that only one of the patients provessed the goods of the mond out, those that were discussed on the interviews. The other patients appeared to be provated, to some extent, of the or more goods of the mond such as spirituality, mental abilities, and pleasurable technics. On the basis of their reports, it seemed that most of the subjects possessed the following goods of character of emperance, justice, and fortitude. However, not enough data were available to draw firm conclusions regarding

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On the basis of the reports, all of the subjects seemed to possess goods of personal association. In relation to the social goods, four patients appeared to possess equality of opportunity, status, and treatment. At least three of the patients seemed to suffer some privation of these goods as a result of the way other people treated them. Although most of the subjects seemed to possess political liberty (in the sense of participating in decisions the outcomes of which affected them) and protection from harm, eight patients seemed to be privated, to some extent, of the political good, freedom of action.

possession of these goods.

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In relation to the economic goods, it appeared that only one subject possessed all of the economic goods about which he was asked. Six of the patients appeared to be privated to some extent, of free time. One patient seemed to be privated of wealth, two patients appeared to suffer some degree of privation of working conditions conducive to health, and three patients appeared to be privated of a means of subsistence in the way of work.

The major categories of instrumental means involved in the acquisition of the real goods were as follows: physiological, mental, social, economic, and environmental. The most common instrumental means to the attainment of the real goods that the patients possessed included a mental means (attitudes and approaches) and a social means (receiving help). The means of which at least one patient seemed to be privated included some of the physiological means rest and sizes, and state of health, the sconomic means, wealth, work, and free tone, and revisionmental means.

From the patients' reports, it seemed that some instrumental means that were adequate in that they were effective in the attainment of a real good were inadequate in terms of attaining a good life because they contributed to a privation of other real goods. Specifically, dialysis treatment, medications, and work, fell into this category of instrumental means.

In relation to the importance of the types of real goods to the patients, it appeared that goods of personal association were of greatest importance to the patients, and the external goods (social, political, and economic goods) were of least importance to the subjects. The patients did not necessarily spend immost time in attaining and enjoying the types of real goods that were of greatest importance to them. Generally, they seemed to spend the most time in attaining and enjoying goods of personal association and goods of the mind.

The results of this study cannot be generalized because a small, nonrepresentative sample was used, no objective measures were used to validate the results, and a detailed, precise study of the patients' possession and privation of the real goods and instrumental means was not carried out. Also, the assessment of quality of life that was carried out is incomplete because a dimension of it, that is, enjoyment of the real goods, was only tangentially examined. As well, the study is limited by the fact that the retest to establish the consistency reliability of the card sort task was not carried out after a six week interval, the structure of the card sort task related to the attainment and enjoyment of the real goods may have been confusing to the patients, and the patients were studied at only one ...

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Implications for Nursing

On the basis of the study findings, conclusions, and limitations, a number of implications for nursing practice and research can be postulated. Although it is impossible to generalize from the findings, it is important for nurses to understand that patients with renal failure on home hemodialysis may suffer serious privations of some types of real goods. As well, it should be recognized that these patients may also be privated of instrumental means to some of the real goods. Some of these privations may be related to the patients' illness and treatment. With further research resulting in a better understanding of the ways in which these patients may be privated of the real goods and instrumental means, nurses is a be able to plan appropriate interventions to help improve the quality of life of such patients.

Numerous research questions arise from the results and limitations of this study. Because a small, non-representative sample was used, a larger, random sample of patients should be used to permit generalizability of the findings. It would also be important to conduct a longitudinal study, examining the patients' quality of life over time. This would ensure that the results reflect the quality of the patients' lives over a longer period of time (i.e., several years) rather than the

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Further work is induced on the questionnaire. Explicit questions about all of the real goods are needed to ensure a more complete study of quality of life. As well, questions related to the enjoyment of the real goods should be added to the instrument since enjoyment of the goods is an inherent aspect of quality of life as defined in this study. This aspect of quality of life was only tangentially examined in this study. I deally, one should seek further validation of the questionnaire, if an appropriate concurrent measure becomes available.

Further validation of the card sort is required. For the card sort regarding the proportion of time spent in attaining and enjoying each type of real good, questions about the specific amount of time spent in attaining and enjoying various activities pertaining to each type of real good should be included. This would facilitate concurrent validation of the card sort. Furthermore, it would be advisable to conduct two card sort tasks, rather than one, to more clearly address both the time spent attaining the real goods and the time spent enjoying the real goods.

Questions pertaining to some types of real good, such as social goods, have not received much attention in the past. It is important to explore these areas in greater depth. Since goods of personal association were ranked high in importance by the patients, and since they were frequently used as instrumental means to other types of real goods, it is important to examine more closely the ways in which goods of personal association contribute to a good life. Furthermore, it is important to study the relationships between the possession or privation of

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In incommital inmensional of the various types of real goods to clarify what actions solard for lawers to assist deatherity in the attainment and environment of the real anods.

It is also inportant to study and to pare the quality. This of parents who are inclosing various forms of treatment for renal facture, of at an ondem instrated, using comprehens we and valid research instruments, that a specific treatment inodality, such as renal transplantation or continuous allogication protoneal dialysis, provides a better quality of life for the patients, efforts should be made to use the treatments that offer the best possible quality of life.

As previously suggested, it may be that patients with renal failure have different perceptions regarding aspects of quality of life than do healthy people reag, with regard to the importance of various types of real goods. A study comparing the quality of life of people in a normal healthy population with the quality of life of people with various chronic illness may clarify why and how people cope with chronic illnesses.

In spite of many limitations, this study is important, since a comprehensive conceptualization of quality of life was used. Few, if any, studies to date have examined the quality of life of a group of people using such a comprehensive approach. This study is also important in that it has identified that patients with renal failure on home hemodialysis may suffer privations of some real goods and instrumental means that could interfere with the attainment of a good life. However, numerous questions related to the quality of life of the patient with renal failure remain. Since this study raises more questions than it answers and since nurses require a greater understanding of the quality of life of the patients with renal failure, it is vital that further research be conducted in this area.

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THE REPORTED QUALITY OF LIFE OF SELECTED HOME HEMODIALYSIS.

PATIENTS

INTERVIEW GUIDE

6.2

I will be asking you a number of questions about various aspects of your life, particularly as they relate to your kidney problems. When I talk about kidney problems, I mean the disease, dialysis treatment, and any other treatments relate, to your disease, such as medications and diet. As we proceed, please add anything that you think is significant that I have not asked you about.

GOODS OF THE BODY

- Ta. What is the state of your health at present, that is, what is the physical condition of your body and how it functions?
 - Prompting questions: (to be asked only if appropriate to situation and previous responses)
 - Are you able to move around as freely as you need to?
 - Do you have any pain at any time? If so, would you describe it (e.g., where, how often, how long, how severe)?
- 16. What, if anything, do you do to maintain or improve your health? Prompting questions:
 - Do you rest to maintain or improve your health?
 - Do you smoke? If so, how much do you usually smoke?
 - Do you drink any alcohol? If so, how much do you usually drink?

ic. I an you identify any factors that help to maintain or improve your health, or worsen it? If so, what are they?

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Ta. What are your diet and eating habits like?

Prompting questions

- How much food do you usually eat?
- What types of food do you usually eat?
- In a day, how often do you usually eat?
- Are you gaining or losing weight? If so, is this gamen or loss intentional?
- 2b. What, if anything, do you do to maintain or improve your health through your eating habits?
 - 2c. Can you identify any factors which help to maintain or improve your diet and eating habits or worsen them? If so, what are they?
 - 3a. What and how much fluid do you usually drink?

Prompting questions:

patterns?

- When do you usually drink fluids?
 - How much fluid do you usually drink?
 - What type of fluid do you usually drink?
 - Do you restrict your fluids in any way? If so, how?

What, if anything, do you do to maintain or improve your fluid intake

3c. Can you identify any factors that help to maintain or improve your fluid

- intake patterns, or change them for the worse? If so, what are they?
- 4. What are your elimination patterns (e-g-, urination, bowel, and sweating patterns) like?
 - Prompting questions
 - How much urine do you usually pass per day?
 - In a day, how often do you pass urine?
 - How often do you usually have bowek movements?
 - Do you have any problem with constipation? If so, would you describe ' the problem?
 - Do you have any problem with diarrhea? If so, would you describe the problem (e-g-, how often, when, how severe)?
 - Do you have any nausea or vomiting? If so, would you describe the problem (e.g., frequency, severity, duration)?
 - How much would you say that you usually sweat (or perspire)?

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- 4b. What, if anything, do you do to maintain or improve your elimination patterns?
- 4c. Can you identify any factors that help to maintain or improve your elimination patterns, or change them for the worse? If so, what are they?

5 d .	What	are	your	sleeping	patterns	lik e

Prompting questions

- How much sleep do you usually get per day?
- When do you usually sleep (at what times of the day,?
- Oo you think that you need more or less sleep? Why?
- 55. Ahat, if anything, do you do to maintain or improve your sleeping patterns?
- Sc. Can you identify any factors that help to maintain or improve your sleeping patterns, or change them for the worse? If so, what are they?
- 6a. How sharp are your senses (e.g., hearing, seeing, tasting, "smelling, touching)? Prompting questions: "
 - How well are you able to hear?
 - How well are you able to see?
 - How well are you able to taste?

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- How well are you able to smell?
- How well are you able to feel things that you handle or tpuch?
- How aware are you of things around you?
- бь. What, if anything, do you do to increase or maintain the sharpness of your
 - senses?`
 - 6c. Can you identify any factors that help to maintain or improve the sharpness
 - of your senses, or worsen it 2 If so, what are they?

Tal Have you noticed any irritability inprourself? If so, could you please describe what it is like?

Prompting questions

- Do you find yourself getting irritated easily by
 - 1. music?

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- 2. noise?
- 3. others around you?
 - 4. anything else (e.g., lack of sleep, movement)?
 - Do little things that happen around you usually annoy you (e.g., lack ...t courtesy, tardiness, traffic)?
 - Do you consider yourself to be short-tempered?
 - How often do you usually get upset (i.e., number of times per day)?
- 7b. If you are irritable, what, if anything, do you do to reduce your degree of irritability?
- If you are not irritable, what, if anything, do you do, to maintain or improve
 - your state of non-irritability?
- *f*
- 7c. Can you identify any factors that worsen your irritability? If so, what are they?
- 8a. What is your energy level like? <u>Prompting questions</u>:
 - Do you have the energy to work? If so, what type of work are you able.
 - to do?

- Do you have the energy to take care of yourself re-g-, bathe yourself, brush your teeth, and dress yourself?
- What household activities reage, housework, carpentry, gardening, and cooking do you have the energy to do?
- Do you have the energy to exercise? if so, what type of exercise do you usually do "e.g., sports, running, walking, and walking up and down exstairs)? How often do you usually exercise? For how long?
- Would you describe your muscle strength?
- 35. What, if anything, do you do to increase or maintain your energy level?
- 8c. Can you identify any factors that help to maintain or improve your energy level, or worsen it? If so, what are they?
- 9a. How would you describe your body's state of vitality, that is, the growth and condition of your hair, skin, nails, etc.?

Prompting questions:

- How would you describe the condition and growth of your hair?
- How would you describe the condition and growth of your nails?
- ilow would you describe the condition of your skin g, moisture, texture, complexion, lesions)?
- Would you say that you usually heal slowly, quickly, or in about the same time as most people (e.g., with cuts, needle punctures, incisions)?
- Have you noticed any general deterioration of your body (e-g-, weakness, debilitation)? If so, what have you noticed?



4. other parts of your body }

Pc. I an you identify any factors that help to maintain or improve the growth in condition of your hair, nails, skin, or other parts of your body, or worsen it if so, what are they?

10a.# Are you able to obtain pleasure through the senses of hearing, seeing, touching, tasting, and smelling? It so, in what way(s do you obtain such pleasures?

Prompting questions

• Do you listen to music? If so, do you get pleasure from listening to music?

• Do you get pleasure from the taste of food?

Do you notice smells, such as from perfume, leaves, and food? If so, do
 you get pleasure from these smells?

Do you take time to look at the scenery around you? Do you get pleasure from that?

 Do you derive pleasure from looking at other things? If so, what are they?

• Do you have physical contact with other people?

 Do you get pleasure from having physical contact (i.e., touch) with other people?

The number of senses in the senses in the sense of the se

The control of the second takeness that help to maintain or improve the pleasure of the second secon

P typically, how much time in a 24 hour day do you spend e.g., through washing, sleeping, éating, dialysis: On maintaining or improving your health,

vigor, vitality, and getting pleasure through your senses?

GOODS OF THE MIND

.12a. How would you describe your ability to.

remember?
think?
reason?

4. make judgements and decisions?

5. inquire, question, and wonder?

6. imagine?

7. concentrate?

Do you daydream, hope, or fantasize about anything? If so, what?

Do you engage in any creative activities? If so, what do you do?

• Do you spend any time thinking about the worth and purpose of life, or about life and death? If so, what do you think about with regard to these matters?

- How we'll do you think you are able to make decisions at home? Please explain.
- - Would you describe how you usually approach a problem that you face in
- Would you say that you have "common sense"?
- Do you participate in any creative activities such as art, writing, crafts, " designs, or woodwork? If so, what do you do?
- Are you able to learn new things readily? If not, why?
- Are you aware of your own strengths and weaknesses? It so, what are they?

20. What, if anything do you do to maintain or improve your ability to

remember?
 2. Think?

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- 3. "reason?
 - 4. Emake judgements?
 - 5. inquire?
- 6. imagine?
 - 7. concentrate?
- 8. be creative?
- 9° contemplate?
- 10. hope and dream?

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- an your dentify any factors that help to maintain on improve your revia about no that whive taiked about, on worsen them 1 of so, what are they 1
- Anuld you describe your ability to communicate (e.g.) through writing, and speaking, reading, and listening?
 - Mow well are you able to convey what you think and how you their
 - How well are you able to understand what others say or understand the feelings they express?
 - Do you have problems with people not understanding what you mean? If so, under what circumstances?
- 13b. What, if anything, do you do to maintain or improve your ability to communicate?
- 13c. Can you identify any factors that help to maintain or improve your ability to communicate, or worsen it? If so, what are they?
- 14a. How would you describe your general knowledge and understanding of life situations? By life situations, I mean situations or events that occur as we live out our lives, and that affect how we "live" (e.g., death of a family member, illness, poverty)?

Prompting gurestions:

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I would like to ask you about some life situations that kidney patients may face.

 What do you think about someone advertising to purchase a kidney for transplantation?

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- upon death without consent of the family or order dual ℓ
- --1452 - Altab, ef anything, de vou de telleaintain er efterease veur peneral knewledge

- and understanding of "ife situations".
- . Fig. is an you identify any factors that help to maintal or increase you, general $\Re i$
- knowledge and understanding of Hite situations or worsen it? It so, what are they?
- faith, religion, etc.;?
- TSD. What, if anything, do you do to maintain or improve the spiritual aspect of
- your life?
- 15c. (an you identify any factors that help to maintain or improve the spiritual aspect of your life, or worsen it? If so, what are they?
- T6a. Would you describe how you feel about your kidney problem? Is there anything or anyone you have strong feelings about? If so, what or whom?
 - How do you feel about being on dialysis?
 - Do you ever feel:
 - 2. hurt?
 - 3. upset?

4. sad?

dialysis?

1.

5. happy about your condition?

16b. What, if anything, do you do to alter or sustain how you feel about:

2. other: things or people?

16c. Can you identify any factors that help to sustain or improve how you feel, or alter how you feel for the worse? If so, what types of things affect how you feel?

17. Typically, how much time in a 24 hour day do you spend thinking, making decisions, creating, inquiring, acquiring knowledge and understanding, etc.?

GOODS OF CHARACTER

18a. How would you describe your moral character, in terms of being just, tolerant, courageous (in the face of adverse circumstances); that is, what would you way about the strength of your character?

Prompting questions:

- Would you say that you are a patient person? If so, in what way?
- Do you get irritated easily with others? If so, under what circumstances? What do you do about your irritability?
- Would you say that you are open minded? If so, in what way?
- Would you say that you are persistent? If so, in what way?

- Would you typically choose to give up some time and pleasure for some future benefit? If so, under what circumstances would you do so?
- Would you typically choose to give up a favorite food that is not on your
 diet in order to maintain or improve your health, or prevent
 complications?
 - Would you typically choose to suffer some inconvenience at the present time, for some future benefit such as improving your health or preventing complications? If so, when does this happen?
 - Would you say that you are a fair or just person in terms of your dealings with others (e-g-, family, friends, strangers)? If so, in what way?
- 18b. What, if anything, do you do to sustain or improve your moral character (i.e., your courage in the face of adverse circumstances, sacrificing pleasure or putting up with pain to attain a good end, giving another his due)?
- 18c. Can you identify any factors that improve or sustain your moral character, or weaken it? if so, what are they?
- 19. Typically, how much time in a 24 hour day, if any, do you spend sustaining or improving your moral character (e.g., making decisions about right and wrong, being just, courageous, etc.)?



GOODS OF PERSONAL ASSOCIATION

20a. How would you describe your family relationships?

Prompting questions: •

- Typically, how often do you see your:
 - 1. parents?
 - 2. children?
 - 3. siblings?
 - 4. other relatives?
- How would you describe the relationship between you and your:

 - parents?
 children?

 - 3. siblings?
 - 4. other relatives?
- Do your family members usually volunteer to help you with anything? If so, who usually helps you?
- What types of things do they help you with (e.g., assuming some of your responsibilities, supplying things, giving support and encouragement)?
- Do you usually get the help that you need from your family members? If so, from whom?
- Do you usually help your family members in any way? If so, whom do you help? What types of things do you do to help?'
- Do you feel loved by your family? If not, why do you-not feel loved?
- 205. What if anything, do you do to maintain or improve your family relationships, or worsen them? If so, what are they?

20c. Can you identify any factors that maintain or improve your family relationships, or worsen them? If so, what are they?

21a. Would you describe your love relationship(s)?

Prompting questions:

- How does your spouse / boyfriend / girlfriend feel about your kidney problem?
- How would you describe the relationship between you and your spouse / boyfriend / girlfriend?
- Do you find yourself getting irritated easily by your spouse / boyfriend / girlfriend?
- Do you usually receive help from your spouse / boyfriend / girlfriend?
 If so, with what types of things does he / she help you (e.g., assuming some of your responsibilities, supplying things, giving support and encouragement)?
- Do you usually help your spouse / Boyfriend / girlfriend in any way? If so, what types of things do you do for him / her?
- Does your kidney problem interfere in any way with your love relationship(s)? if so, in what way?
- 21b. What, if anything, do you do to expand, nourish, or maintain the love relationship(s) that you have?

21c. Can you identify any factors that help to maintain or improve your love relationship(s), or worsen them? If so, what are they?

22a. Would you describe your friendships?

Prompting questions:

- How many close friends do you have?
- How often do you usually see your friends?
- Who typically initiates the contact you or your friend(s)?
- What is your relationship like with your friends?
- Do you find yourself getting irritated easily by your friends? if so, under what circumstances?

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- Do your friends usually help you? If so, in what way?
- Do you usually give your friends any help? If so, in what way?
- Do you feel that your friends care about you? If not, why do you feel that they do not care about you?

22b. What, if anything, do you do to develop or maintain your friendships?

- 22c. Can you identify any factors that "help to maintain and improve your friendships, or change them for the worse? If so, what are they?
- 23a. Are you involved in any fraternal or community organization(s) (e.g., Kidney Foundation, Lions, Kinsmen, Community League)? If so, in what organization(s) are you involved?

Could you describe the relationship you have with people in the organization(s)?

Prompting questions:

- Do you have any friends in the organization?
- Does anyone in the organization give you any help?
- If so, what kind of help do they give you?

• Do you help the organization or anyone in the organization? If so, how

do you help?

23b. What, if anything, do you do to increase or maintain your involvement in the

organization(s)?

23c. Can you identify any factors that help to improve or maintain your involvement with the organization(s), or reduce jt? If so, what are they?

24a. How would you describe the respect you get from others?

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receive?

Prompting questions:
Are you treated differently than others in the community? If so, in what.way?
Do you believe that people think you are important or worthwhile as a person?

Do people usually show you the respect that you think any person deserves? If so, how?

Do you usually treat some people differently than others around you, with regard to respect, importance, etc.? If so, how?

24b. What do you do, if anything, to maintain or increase the respect you

24c. Can you identify any factors that help to improve or maintain the respect

you receive from others, or reduce it? If so, what are they?

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25. Typically, in a 24 hour day, how much time do you spend maintaining or improving your relationships with others (friends, loves, family, associates)?

26a. Do any government actions or regulations have any effection the availability

POLITICAL BOODS

- of treatment for your kidney disease? If so, what?
- Prompting questions:
- What services or funds, that you know of, does the government (or social agencies) provide for patients with kidney disease?
- Are these services or funds adequate? If not, why are they inadequate?
- 26b. What is being done by you and others to ensure government support of renal

failure programs?

- 26c. Can you identify any factors that help to maintain or increase government support of renal failure programs, or decrease it? If so, what are they?
- 27. Do you usually participate in decisions relating to your treatment or care? if so, how? If not, why do you not participate?

Prompting question:

- Do you discuss decisions about your care with your doctor or nurse? If not, why do you not discuss these decisions?
- Do you have input into decisions about your treatment or care? If pot, why do you not have input?

- is your consent obtained before a new treatment (medication, etc.) is startes? If not, do you know why your consent is not sought?
- Is the atmosphere in the home dialysis unit conducive to your participation in your care? If not, why is the agmosphere not conducive to your participation?
- 27b. What is being done by you or others to ensure your participation in your care?
- 27c% Can you identify any factors that help to improve or maintain your participation in your care, ormeduce it? If so, what are they?

28a. What is your role in terms of management of the family?

Prompting questions:

- Who would you say acts as head of the household in your home?
- Who usually makes major decisions about finances in your home?
- Who usually makes major decisions about discipline in your home?
- Are you consulted about major decisions that affect you or your family? If not, why do you think that you are not consulted?

28b. What is being done by you and others to help you manage your home and

family?

28c. Can you identify any factors that help to improve or maintain your role in managing your home, or change it for the worse? If so, what are they? 29a. Do you have the freedom to pursue actions or activities you need to undertake? If not, why do you not have this freedom?

Prompting questions:

• Are you prohibited from doing things you need to carry out by your.

1. condition?

2. family?

3. friends?

4. other associates?

5. treatment personnel?

6. other people or things?

Please specify.

If so, in what way?

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29b. What is being done by you or others to maintain or increase your freedom to pursue actions or activities?

29c. Can you identify any factors that help to increase or maintain your freedom to pursue actions or activities, or reduce it? If so, what are they?

30a. Do you consider yourself to be safe from personal harm?' If not, why?

Prompting questions:

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community?

explain.

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Are you concerned about robberies, attacks, or violence in the

Do you worry about someone or something harming you? Please

30b. What is being done by you and others to maintain on increase your safety?

7. 30c. Can you identify any factors that help to increase or maintain your safety,

or reduce it? If so, what are they?

- 31. In a 24 hour day, how much time do you typically spend managing your home, participating in your care, ensuring your freedom to do what you need to do, engaging in political activity, or trying to influence things that affect you?

- SOCIAL GOODS

32a. - Are you treated equally with other people with regard to things that affect a person's dignity? If so, in what way? If not, how are you treated?... Prompting questions:

- Do you believe that you have the same opportunities for such things as jobs, positions, treatment, and care as anyone else?
- Does anyone treat you as though you were an object or an animal (that is, not a person)? If so, why do you think this happens?

32b. What is being done to ensure that you have equal opportunities with others, on any count?

#32c. Can you identify any factors that help to maintain or improve your equality of opportunity. for jobs, treatment, positions, or care, or reduce it? If so, what are they? 33. In a 24 hour day, how much time, if any, do you typically spend trying to ensure your equality of opportunity?

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ECONOMIC GOODS

34a. Are your working conditions adequate (both at home and at work)?

- Prompting questions:

 - Does your work situation present any problems with regard to your kidney problem? If so, what kind of problem?
- 34b. What is being done by you and others to maintain or improve your working conditions?
- 34c. Can you identify any factors that help to maintain or improve your working conditions, or worsen them? If so, what are they?
- 35a. Are your living conditions adequate? If so, in what way are they adequate? If not; in what way are they inadequate?

Prompting questions:

- Could you describe your living conditions (e.g., housing, transportation)?
- Do your present living conditions (e.g., housing) present, any difficulties for you with regard to your kidney problem? If so, what kind of difficulties?

- 35b. What is being done by you or others to maintain or improve your living conditions?
- 35c. Can you identify any factors that help to improve or maintain your living conditions, or worsen them? If so, what?

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- 36a. Are your finances (e.g., wealth, poverty, and possessions) adequate to live comfortably and enjoy life? If not, in what way are they inadequate?
 - Prompting questions:

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- Do you need to watch your budget closely? If so, why?
- Can you afford to:
 - 1. take courses?
 - 2. go to the theater?

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- 3. travel?
 - 4. pursue satisfaction of your needs?
- 36b. What is being done by you and others to maintain or improve your financial situation?
- 36c. Can you identify any factors that help to improve or maintain your financial situation, or worsen it?
- 37a. Do you have a way to make a living? If so, how do you earn a living? If not, why are you unable to earn a living? Prompting questions:

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• Do you have a steady job? What is it?

- Do you consider this to be a "good" job, that is a job that you enjoy, and that pays you enough to live comfortably?
- If you do not have a "good" job, are you getting the education or training you need to get such a job? Is this training available?
- Do you have the money or capital (e-g-, machinery, tools, money for investments) to earn a living if you are not working for someone else?

37b. What is being done by you and others that helps you to make a living?

- 37c. Can you identify any factors that help to maintain or improve your ability to make a living, or make it more difficult for you to earn a living? If some what are they?
- 38a. Do you have the opportunity to pursue activities for self-improvement? If so, in what kind of activities, if any, do you engage? If not, why do you not have the opportunity?

Prompting questions:

- Do you have the opportunity to take any courses? If so, what type of courses, if any, are you taking? If not, why do you not have the opportunity?
- Do you have the opportunity to increase your knowledge about your kidney problem? If so, of what opportunities, if any, are you taking a dvantage? If not, why do you not have these opportunities?
- Have you had the opportunity to meet with any groups that help you increase your knowledge (both general knowledge and knowledge about your condition)? If so, with what groups do you meet? If not, why do you not have this opportunity?

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- Do you have the opportunity to read books? If so, what type of books, if any, do you read? If not, why do you not have the opportunity to read books?
- "Do you have the opportunity to watch television programs that increase your knowledge? If so, what programs do you watch? If not, why do you not have the opportunity?
- Do you have opportunities for formal and informal learning? If so, what are they? If not, why do you not have the opportunity?
- 38b. What is being bone by you and others to increase the opportunities you have to improve yourself?
- 38c. Can you identify any factors that help to maintain or improve your j opportunities to improve yourself, or reduce them? If so, what are they?
- 39a. Do you have enough free time, that is, fime not devoted to work, that you can use to improve yourself and/or society? If not, why do you not have enough free time?

Prompting guestions:

- About how much free time do you have each day of the week?
- What do you usually do in your free time?
- Do you do anything to improve yourself or society in your free time? If so, what types of things, do you do?
 - Do you have enough free time to:
 - 1. visit with friends?
 - 2. take a course?'

3.

belong to a voluntary association?

- 4. take vacations?
- 5. go to the theater?
- 6. contemplate?
- 7. be creative?
- 8. do nothing, if you so desire?
- 39b. What is being done by you or others to increase or maintain the amount of free time that you have?
- 39c. Can you identify any factors that help to increase or maintain the amount of free time that you have, or reduce it? If so, what are they?
- 40. How much time do you spend in a typical 24 hour day maintaining or improving your economic situation by earning a living, maintaining or improving your living and working conditions, improving yourself or society, and getting access to the things that give you pleasure?

GOODS OF THE BODY

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- 41a. Has having a kidney problem had any effect on your sex life? If so, what? Prompting questions:
 - Has there been any change in your sexual activity since you developed your kidney problem? If so, what has changed?
 - Do you have sexual intercourse as frequently now as before you by developed your kidney problem?
 - Do you enjoy sexual activity as much as before you developed your

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kidney problem?

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41b. Do you do anything special to maintain or improve your sex life? If so, what?

41c. Can you identify any factors that help to improve or maintain your sex life,

or worsen it? If so, what are they?

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APPENDIX 2

Patient's Code Numbe	r:					
5 ex:		_				
Age:		_				
Marital Status:						
Number of Children:						
Race:						
Ethnic Background:						
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			-			
Highest Educational L			_			•
Currently Employed (Yes/No):					
Approximate Family I		Ň				
Length of Time on Dia						
Number of Admissions	to Hospital	in Last Yea				
Dates of Previous Ren						
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APPENDIX 3

CARD SORT TASK

The questions which you have been asked are about components of the good life. These components are goods of the body, goods of the mind, goods of character, goods of personal association, economic goods, social goods, and political goods.

ifere are some cards with definitions of these components of the good life. Will you please:

- t 1) place them in an order indicating their importance to you from most important to least important, and
- 2) put the cards in an order indicating the amount of time you spend, if any, obtaining or enjoying each component or type of good, from most time to least time.

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CARDS USED IN CARD SORT TASK

GOODS OF THE MIND ARE:

GUODS OF THE BODY ARE:

YOUR MENTAL ABILITIES, CAPABIL-ITIES, AND PERFECTIONS, SUCH AS KNOWLEDGE, UNDERSTANDING, SOME WISDOM, CREATIVITY, INQUIS-INVENESS, FEELINGS, COMMON SENSE, AND JUDGEMENT. THINGS THAT RELATE TO YOUR BODILY CONDITION AND FUNCTION-ING, SUCH AS HEALTH, VIGOR, VITALITY, AND PLEASURES THAT YOU OBTAIN THROUGH THE USE OF YOUR SENSES (E.G., HEARING, SEEING, TASTING, TOUCHING).

GOODS OF PERSONAL ASSOCIATION

YOUR FRIENDSHIPS, LOVE RELA-TIONSHIPS, AND FAMILY RELATION-SHIPS.

GOODS OF CHARACTER ARE:

YOUR PERSONAL MORAL CHAR-ACTERISTICS, SUCH AS YOUR ABILITY TO DENY YOURSELF PLEA-SURE FOR A GOOD PURPOSE (TEMP-ERANCE), TO SUFFER DISCOMFORT FOR A GOOD PURPOSE (COURAGE), AND TO BE CONCERNED FOR THE WELL-BEING OF OTHERS AND YOURSELF (JUSTICE).

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ECONOMIC GOODS ARE

POLITICAL GOODS ARE:

THOSE THINGS THAT RELATE TO THOSE THINGS THAT RELATE TO YOUR LIVING AND WORKING SIT- GOVERNMENT AND GOVERNANCE UATIONS, SUCH AS BEING EM- (I.E., AUTHORITY IN THE FAMILY PLOYED, HAVING THE TOOLS OR AND OTHER GROUPS) SUCH AS EQUIPMENT NEEDED TO EARN A "PEACE, POLITICAL FREEDOM (1.E., LIVING, HAVING FREE TIME, HAVING THE RIGHT TO VOTE AS ONE ACCESS TO THINGS THAT GIVE YOU CHOOSES), PROTECTION OF INDIVI-PLEASURES RELATED TO THE DUAL FREEDOM; AND THE RIGHT SENSES (E.G., HEARING A TO HELP SHAPE OUTCOMES THAT AFFECT YOU AND OTHERS SYMPHONY, TASTING A GOOD MEAL), AND HAVING ACCESS TO THROUGH PARTICIPATION IN ORG-ANIZATIONS AND INSTITUTIONS SUCH THINGS AS MEDICAL CARE, ESTABLISHED TO BENEFIT INDIVI-SCHOOLING, AND A HEALTHY DUALS AND SOCIETY. ENVIRONMENT.

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SOCIAL GOODS ARE:

THOSE THINGS THAT RELATE TO YOUR HUMAN DIGNITY, SUCH AS EQUALITY OF TREATMENT, EQUAL-ITY OF STATUS, AND EQUALITY OF OPPORTUNITY.

APPENDIX 4

INFORMED CONSENT FORM

Title: The Reported Quality of Life of Selected Home Hemodialysis Patients.

Investigator: Anita E. Molzahn Master of Nursing Candidate University of Alberta

l, understand that:

- the purpose of the above research project is to study the reported quality of life of the home hemodialysis patient.
- 2. I will be required to participate in three weekly, private, tape-recorded Interviews. Each interview will be approximately one hour in length, and held at a time and place convenient to me. The content of the interviews will be transcribed (typed).
- 3. I may not benefit from this project.
- 4. my name will not appear in any written report; information obtained will be held confidential; and the tapes will be erased at the conclusion of the study.
- 5. I may refuse to answer any questions or may withdraw from the study at any time without jeopardizing my care.

I have been given the opportunity to ask any questions, I needed to ask and they have been answered to my satisfaction. I hereby agree to participate in the above named research project.

