

Application of Intent to Conduct Nursing Research at Jersey City Medical Center Meeting with Dr. Susanne Salmond EdD

Date: 9/1/2010

Primary Researcher(s):

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Title of Research Project:

What is the quality of life among dialysis patients with hemoglobin less than 12g/dl in an Outpatient setting?

Research Question/ topic of interest:

Kidney disease guidelines recommend a hmg 10-12 as standard, Using the KDQOL SF 1.3 tool, this quantitative study will explore the relationship between functional status and well being in patient's with end stage renal disease with hemoglobin less then 12.

The purpose of this study is to increase the understanding of dialysis patients with chronic Anemia on physical and psychological health aspects in outpatient clinic setting. Kidney disease guidelines recommend hemoglobin 10-12 as standard. Using the KDQOL tm-36 tool, this quantitative study will explore the relationship between functional status and well being in patients with end stage renal disease with hemoglobin less than 12 g/dl.

Where will the project take place? Out patient dialysis centers in NJ

What procedure will be followed?

Data elements needed:

- KDOQOL tm-36 tool and one month value level of hemoglobin for each study participant.
- Contact person at each facility for dialysis patients

What is the sample size and population being researched? At least 100 patients

Will consent be required? Yes

How will your research finding enhance Nursing Practice at JCMC?

As renal function declines, the person with chronic renal failure or

(end stage renal disease) eventually experiences involvement of all body system.

Quality of life is altered and major adjustment in physical, and psychological aspects of life are required. (Renal Nursing – A practical Approach by Bobbee Terrill).

Anemia is prevalent among patients with chronic renal failure. The

Primary cause of Anemia is inadequate production of erythropoietin hormone.

This reduces the body's ability to produce sufficient red blood cells and hemoglobin. The main reason to treat anemia in chronic kidney disease is to avoid low hemoglobin levels. This will help the energy to perform daily activities without feeling tired or shortness of breath. Treating anemia can improve quality of life by helping to feel better in general and enjoy increased activity. (www.kidney.org.)

Patients with anemia are always treated with Erythropoiesis-Stimulating Agents (ESA) medications with ultimate care. However it was noted that an FDA black boxed warning used by FDA's recent completed studies showed an augmented jeopardy of death, blood clots, strokes and heart attacks in patients with chronic kidney disease

Summary of Recommendations by Dr. Salmond:

- *We will need to go through the magnet Consortium to obtain participants*
 - o *We will need to develop an abstract or proposal to submit to the facilities, it should include an introduction to the problem, purpose of the study, importance of there participation, and what will be required of them*
 - o *Establish a nurse coordinator at each site, they can be a principal investigator for there facility*
- *Sample size will have to be 60 at minimum. We will need at least 20 people in each group.*
- *Review studies that have used this tool to look at the power analysis, determine how often the tool needs to be used to pick up on variations*
- *Develop a demographic page that will include, co-morbidities (diabetes, mental health, musculoskeletal disease that limits mobility and other inclusions or exclusion we will need*
- *Completion of questionnaire is already mandated by the state, we will ask that they administer it more frequently to track quality of life*
- *What are our ethical obligations*
 - o *If we have patient info we are required to notify a social worker if scores are low*
 - o *Or we can ask for de-identified data with no patient identifiers, this way we have no ethical obligation*
- *Some things to consider, how expensive is it to use the tool, can we afford to do this, can we spend the time with recruitment?*
- *Follow up meeting with the research group to be scheduled*