

Pharmacy Research Project Proposal

WORKING TITLE OF THE PROJECT Patient satisfaction with pharmacist education and follow-up in patients in a tertiary care hospital after an acute coronary event

PRINCIPLE INVESTIGATOR

Melanie Carter BscPharm, ACPR, PharmD

CO-INVESTIGATORS

Cardiologist (Dr. Sandy Baker or Dr. Frank Halperin)

Sean Gorman

Richard Slavik

RESEARCH SITE(S)

KGH

BACKGROUND. RATIONALE AND SIGNIFICANCE (LIMIT TO 250 WORDS)

[Include an explanation of potential value of project to patient care, pharmacy department, hospital, health authority, and/or pharmacy profession as appropriate]

OVERALL, THERE IS LIMITED EVIDENCE REGARDING THE VALUE OF PHARMACIST TEACHING AND FOLLOW-UP IN CARDIOLOGY PATIENTS WHO HAVE RECENTLY HAD AN MI. THERE IS SOME EVIDENCE SUGGESTING A COMBINATION OF ACTIVITIES INCLUDING DIRECT PATIENT TEACHING AND REGULAR FOLLOW-UP INCREASES PATIENT SATISFACTION AND ADHERENCE AFTER DISCHARGE, PARTICULARLY POST ACS. THERE IS ALSO EVIDENCE TO SUGGEST DECREASED PATIENT SATISFACTION REGARDING MEDICATION IS A NEGATIVE PREDICTOR OF ADHERENCE. ANECDOTALLY, AT KGH A HIGH NUMBER OF PATIENTS HAVE POST-DISCHARGE QUESTIONS AND CONCERNS. AN INFORMAL SURVEY AT KGH SHOWED APPROXIMATELY 50% OF DISCHARGED PATIENTS PHONED THE CLINICAL PHARMACIST AFTER DISCHARGE WITH QUESTIONS OR CONCERNS WHEN GIVEN A BUSINESS CARD.

IMPLEMENTING A TOOLKIT OR BUNDLE OF ACTIVITIES MAY INCREASE PATIENTS' SATISFACTION WITH MEDICATIONS AND THEREFORE MAY INCREASE PATIENT ADHERENCE. CURRENTLY AT KGH THERE IS LIMITED FOLLOW-UP AND PHARMACIST DRIVEN TEACHING IN THE CARDIOLOGY DEPARTMENT.

THIS WOULD BE A PRELIMINARY STUDY THAT MAY GENERATE POTENTIAL ACTIVITIES/RESOURCES THAT INCREASE PATIENT CARE AND PATIENT SATISFACTION. MORE SPECIFICALLY THIS PROJECT WOULD RESULT IN THE DEVELOPMENT OF TEACHING MATERIAL AND REGULAR FOLLOW FOR PATIENTS POST MI BY PHARMACISTS. IT WOULD ALSO BE A FEASIBILITY STUDY DETERMINING IF THIS TYPE OF ACTIVITY WOULD BE REASONABLE FOR THE CLINICAL PHARMACIST TO DO. ANOTHER OBJECTIVE WOULD BE TO DETERMINE BASELINE PATIENT SATISFACTION PERCENTAGES/NUMBER WHICH WOULD BE USED IN THE FUTURE FOR SAMPLE SIZE CALCULATIONS IF A RCT IS SUBSEQUENTLY PERFORMED. IT WOULD BE THE INITIAL STARTING POINT FOR VALIDATING THE SPECIFIC BUNDLE OF ACTIVITIES.

STATE YOUR PROPOSED RESEARCH QUESTION

POPULATION: KGH CARDIOLOGY PATIENTS ADMITTED FOR AN ACUTE CORONARY SYNDROME

INTERVENTION (IF APPLICABLE): BUNDLE OF TEACHING AND FOLLOW-UP ITEMS (MEDICATION SCHEDULE, DIRECT PATIENT COUNSELLING ON MEDICATIONS, FOLLOW-UP PHONE CALL ON DAY 2 AND DAY 7)

COMPARATORS (IF APPLICABLE): STANDARD, NURSING DRIVING TEACHING

OUTCOMES: PATIENT SATISFACTION SURVEYS (TSQM- TREATMENT SATISFACTION QUESTIONNAIRE FOR MEDICATIONS)

DESCRIPTIVE STATISTICS (PERCENTAGE, NUMBERS)

GOALS AND OBJECTIVES

- To develop teaching and follow-up materials for post ACS patients
- TO DETERMINE PATIENT SATISFACTION PERCENTAGE/SCORES REGARDING ACS MEDICATIONS TO USE IN FUTURE SAMPLE SIZE CALCULATIONS
- To implement the bundle of activities/materials and complete a feasibility analysis around these implemented items

PROPOSED RESEARCH DESIGN/METHODOLOGY

[Indicate the proposed design (eg. retrospective, RCT, systematic review), the patient population, proposed method of data collection (eg. chart review, patient interviews)]

Prospective

Non-randomized, convenient sample of patients who receive the bundle of activities

And

Some usual care patients included to assess baseline patient satisfaction

Patient Population:

Inclusion: KGH cardiology patients (admitted under cardiology) admitted for acute coronary syndrome discharged home from KGH.

Exclusions:

- Patients going for CABG
- Patients repatriated back to other sites

Outcomes:

Patient satisfaction scores for usual care

Feasibility (using descriptive statistics)

Recruitment rates

Number of counselling points covered

Duration of telephone follow-up

Loss to follow-up

Number of patients who receive the bundle of activities

Average time per patient in bundle of activities

FUNDING SOURCES

[Indicate if there are any costs associated with the project and if any funding will be sought for the project and list the funding agency]

None planned

ANTICIPATED START DATE OF THE PROJECT JULY 2015

PROJECT SUITABILITY

After consideration of the “**FINER**” criteria (**F**easible, **I**nteresting, **N**ovel, **E**thical, **R**elevant) I believe that the project meets all the Project Suitability Criteria Yes (indicate **YES/NO**)