Pilot Program of PROMs for Patients with Acute Coronary Syndrome in Singapore

Objective
To initiate a program for PROMs collection of ACS Patients

Methodology
Research Design: Quantitative research, Longitudinal study
Sampling Procedure: Judgment sampling, Sampling Size: 589
Data collection method: Rose Questionnaire, SAQ-7 and PHQ-2
Data analysis: Using STATA Continuous data as mean (standard deviation) and categorical data as counts (percentages)

Data Collection with Smart Devices Vs Deploying Research Coordinators

Learning Points:
- Patient demographic may be an important consideration factor in planning the care of ACS patients.
- Exploration and enhancing of collection tools such as web based or smart phone applications is essential as the traditional way of deploying research coordinators is expensive, especially for longitudinal study.
- First PROMs in NHCS which would provide us the patients’ perspective on our medical care delivery. We seek to understand how patients feel than relying just on clinical analysis.
- Depression remains undertreated in ACS patients.

Data collection going beyond 1st Year:
(Study started in August 2017)
- Longitudinal cost of care is not known for AMI patients. Thus, this study would continue to collect PROMs annually for the next 4 years after the first year of 5 touch points at admission, 1st, 3rd, 6th and 12th month.
- We will be integrating the collection and analysis of the financial cost of patient medical treatments. As the study develops with more data collection and deeper analysis, we hope to determine what are the elements that make up “value” for our patients.

Abstract
The National Heart Centre Singapore (NHCS) has initiated a study on Patients Reported Outcomes Measurement (PROMs) to understand Coronary Artery Disease (CAD) patients’ experiences. The study aims to collect from a large cohort of patients who was followed up in a longitudinal study over the period of 5 years. PROMS are collected and analyzed in areas of care delivery, clinical outcomes and patients experience. Using ICHOM as reference, the CAD Standard Set variables are collected from our patients at admission, 30, 90 days, 180 days and annually for 5 years. This study started on August 1st, 2017 and the first set of complete data collection and analysis would be done in 2022.