Is There an Association Between Attending Cardiac Rehabilitation Program and Health-related Quality of Life Among Patients in Qatar?

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INTRODUCTION

- Cardiovascular Disease (CVD) is the leading cause of death globally (1). It is also the number one killer in Qatar.
- More patients with CVD are living than before due to medical advancement and high technology. Therefore, there is an urgent need for secondary prevention strategies.
- Cardiac rehabilitation (CR) is a secondary prevention model of care for management of CVD. Participation in CR programs is effective in improving health-related quality of life (HRQOL), reducing cardiovascular mortality, morbidity, and hospital readmissions (2) (3) (4) (5).

KEY WORDS
Cardiac Rehabilitation, Health Related Quality of Life, cardiovascular, sessions attended.

OBJECTIVES

The aim of this study was to explore the association between attending CR program and health-related quality of life among patients in Qatar.

METHODOLOGY

- Design: observational retrospective cohort study.
- Sample: all patients who were referred to CR program in Qatar from (January 2013-October 2017).
- Source of data: secondary data were extracted from patients’ records at patient entry and at patient discharge from the program (post-CR).
- Instrument: SF-36 survey was used to assess health-related quality of life among patients pre and post CR.
- Measures:
  - Predictor: attending at least the median number of CR sessions (≥ 23 sessions).
  - Outcome: change in HRQOL scores in each of the four scales: physical functioning, social functioning, emotional well-being, and general health.
- Statistical analysis:
  - Descriptive statistics to describe patients demographics and clinical measures.
  - A multiple linear regression analysis was used to explore an association between attending at least the median number of CR sessions and change in the scores of each of the four HRQOL while adjusting for other covariates.

REFERENCES