Evaluating Community Engagement in Cardiac Rehabilitation: Making Change Happen through Innovative Multi-Media Technology

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Abstract

Cardiovascular disease (CVD) prevalence continues to rise, with a higher proportion of cases occurring among patients ages 65 years and older. Cardiovascular rehabilitation (CRR) is an evidence-based, multidisciplinary program designed to improve outcomes in patients after cardiac event. However, a significant portion of patients who could potentially benefit from CRR are not enrolled. The purpose of this project was to determine if innovative technology could be used to improve enrollment and participation in cardiac rehabilitation.

Background

Innovative media technology can be used to record a broad range of images within the facility, which enables the viewer to participate in an interactive exploration of the outpatient cardiac rehabilitation space (i.e. virtual tour). Technology can be applied to increase physician awareness and provide patient education about cardiac rehabilitation.

Learning Objectives

1. Identify ways in which innovative technology can be used to promote cardiac rehabilitation.
2. Describe how Mayo Clinic Arizona is utilizing innovative technology to promote cardiac rehabilitation.

Introduction

The benefits of CCR are compelling, which supports the importance of participation in CR. However, despite overwhelming evidence of the benefits of CRR, patients are often not referred. Most patients are referred by either a cardiologist or a cardiovascular surgeon, and the majority receive a verbal referral. This project will examine the use of innovative technology to increase physician referral rates after hospitalization.

Materials and Methods

The project will involve the use of a program-specific intranet website, an enterprise-wide internet website, and a virtual reality platform to create a virtual tour of the entire cardiac rehabilitation facility. The project will be implemented at Mayo Clinic Arizona, and the outcomes will be measured using a combination of qualitative and quantitative methods.

Results

The project will demonstrate the potential of innovative technology to increase patient enrollment in cardiac rehabilitation. The project will also provide insight into the effectiveness of different communication strategies in promoting cardiac rehabilitation.

Conclusion

The project will showcase the potential of innovative technology to increase patient enrollment in cardiac rehabilitation. The project will provide valuable insights into the effectiveness of different communication strategies in promoting cardiac rehabilitation.

References


Psychological Reports. 1977; 84, 2 (9): 191-215.

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Figures 2-11

Conclusion

The creative application of this type of media technology can truly bring CRR to life and tell a story about a program that has the potential to make a meaningful difference in the lives of patients. Continued focus on innovative media technology is needed to educate the public on the benefits of CRR and increase awareness of the program's importance.

References


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Figures 2-11