Research Progress on the Influence of Movement Instruction on Community Life in Patients with Coronary Heart Disease

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ABSTRACT

The incidence of coronary heart disease increases year by year with the material level of our country. It has a harmful effect on the patient’s life health and quality of life. Movement Instruction is an important aspect of the secondary prevention project of cardiac rehabilitation in patients with coronary heart disease. Although it has a history of decades at inland and abroad, the present situation in China is not optimistic. Some studies have shown that the popularization and participation of cardiac rehabilitation is true and lacking. This paper sums up the relevant knowledge of coronary heart disease, coronary heart disease movement instruction and its impact on community life of patients at home and abroad, and reviews the research results of movement instruction on community rehabilitation of coronary heart disease in recent years, which provides a theoretical reference and prospect for the future research of community exercise rehabilitation of coronary heart disease.

1. Introduction

With the development and progress of society, the improvement of people’s living conditions has grown up to be a major cause of cardiovascular disease, and the incidence rate is increasing year by year[1]. Coronary atherosclerotic heart disease (Coronary atherosclerotic Heart Disease, CHD) Coronary heart disease (CHD) is caused by ischemia or necrosis of the myocardium caused by imbalance of coronary blood supply and myocardial oxygen demand, which in turn leads to the occurrence of heart disease. Many years of research have confirmed that hypertension (hypertension. Hp) is the most dangerous neutral factor in the CHD of blood[2]. Exercise rehabilitation is an important part of the secondary prevention program of heart rehabilitation in patients with coronary heart disease. Movement instruction is an im-

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2. Research Progress on Coronary Heart Disease

2.1 Incidence and Fatality Rate

Coronary heart disease is caused by various causes such as hyperlipidemia, hypertension, smoking, coronary obstruction and stenosis, which in turn lead to myocardial ischemia, angina pectoralis and even myocardial infarction[8]. The incidence in our country is very high[7], the fatality rate also remains high all year round[8]. In addition, coronary heart disease remains the leading cause of high mortality in developed countries and globally, except in developing countries such as China[9].

2.2 Effects on Life

Some patients with coronary heart disease may develop symptoms such as poor sleep quality, loss of appetite and anxiety and depression along with increased psychological stress[10]. Most patients with coronary heart disease in China are more inclined to receive relatively meticulous and high-level treatment in Grade 3A hospitals. In the long run, not only the patients’ own economic burden will become heavier, but the medical social resources will also be wasted because of long-term occupation[11-12].

3. Research Progress of Movement Instruction for Coronary Heart Disease

A large number of studies have shown that proper exercise training in patients with coronary heart disease is helpful to establish coronary collateral circulation, improve blood supply of cardiac muscle cells, and improve cardiopulmonary function[13], Chen Jianjian et al[14] graded motion tests[15]. The patients with coronary heart disease were subjected to incremental load exercise, and the corresponding targeted aerobic exercise was tested to confirm that professional cardiopulmonary movement instruction could improve the cardiopulmonary function of the patients. Chen Xuanzu and others[16] individualized movement instruction was used to guide patients with coronary heart disease cardiac function grade III and above to carry out a control test, adjust exercise intensity, exercise frequency, exercise type and exercise time according to different patient conditions, customize individualized exercise prescription, urge patients to train and follow up regularly. The control results confirmed that individualized movement instruction could improve blood glucose and blood lipids in patients with coronary heart disease. A meta-analysis showed that traditional Chinese medicine exercise therapy such as Taijiquan and Baduanjin can effectively improve the physical function and mental state of patients[17]. Yue Shuang et al[18] with the concept of “double heart” treatment, the author emphasizes the improvement of heart function of patients with coronary heart disease and pays attention to its common psychological problems[19]. Negative emotions such as anxiety and depression can increase the risk of coronary heart disease and death[20], Li Xinpeng and others[21]. For patients with coronary heart disease with negative emotions such as anxiety and depression, traditional Chinese medicine rehabilitation exercise was used to guide exercise, improve the negative emotions of patients and improve the quality of life of patients. Movement instruction not only affects the above physiological and psychological factors in patients with coronary heart disease, but also a large number of evidence-based medicine[22]. Evidence also suggests that cardiac rehabilitation movement instruction can effectively delay the development of coronary atherosclerosis[23]. To prevent recurrence, repeated admission treatment, while relieving the economic pressure of patients while prolonging the survival time.

4. Study on the Influence of Exercise on Community Life of Patients with Coronary Heart Disease

4.1 Research on Community Life of Coronary Heart Disease Patients Guided by Exercise in China

Guo Yuanhang[4], there are more than 500 specialized heart rehabilitation centers in China up to 17 years. Some areas such as southwest and northwest lack atten-
tion to cardiac rehabilitation. As an important part of heart rehabilitation, movement instruction requires professional guidance from rehabilitation therapists and rehabilitation physicians, while the number of rehabilitation teams in China is at present[^25]. Not enough to meet over 700,000 people per year[^26]. The needs of surgical patients. At present, the importance of cardiac rehabilitation in China is not high[^27]. The patients didn’t realize the value of cardiac rehabilitation correctly, and the exercise prescription wasn’t long-lasting. At the same time, Professor Lu Xiao said that in order to improve the safety factor. Emergency drugs should be prepared at the side of the training, and rehabilitation therapists should be required to master certain knowledge of first aid. If patients in the community for remote movement instruction should also follow in order to prevent accidents, timely rescue. Under the hierarchical medical system[^28]. Therapists in community hospitals will be responsible for the exercise of coronary heart disease in the community, rehabilitation outside the hospital, and effective conservation of medical resources[^29]. Timely professional assessment of patients within the community[^30] consolidation of curative effects[^31]. However, there is still a problem of uneven distribution of local medical resources, North and South China generally attach importance to the third phase rehabilitation of patients with coronary heart disease[^32]. Therefore, as mentioned above, movement instruction affects the physical and psychological factors of patients with coronary heart disease.

4.2 Progress of Community Life Influence in Coronary Heart Disease Patients

Report[^33] pointed out that the number of deaths due to cardiovascular diseases in China increased year by year in 2016, while the number of deaths due to cardiovascular diseases in foreign countries, such as Japan, the United States, Germany and other countries a year earlier[^34]. The European and American countries have formed a mature system, the community center and rehabilitation center docking, to ensure that patients in the community can receive regular rehabilitation therapists for their movement instruction, and more humane settings such as treatment groups, patients can communicate and interact. The system of pre-hospital and in-hospital heart rehabilitation is more mature, such as the closed-loop model in the United States, where rehabilitation teams work together to complete a set of movement instruction programs and supervise implementation[^35]. In Asia, Japan also has a more mature heart rehabilitation system because of its early integration with the European and American systems. It is also worth learning in the direction of long-term rehabilita-

5. Conclusion

With the leap of the material level and the improvement of living conditions, the number of patients with coronary heart disease in China is increasing year by year, and the incidence, mortality and treatment are not optimistic. Coronary heart disease rehabilitation as an important post-operative recovery means for patients with coronary heart disease can effectively enhance the quality of life and improve the recovery effect. His role has been paid more and more attention by researchers at home and abroad. And related research is gradually increasing. However, the popularization of community rehabilitation still needs to be strengthened, the theoretical system of coronary heart disease rehabilitation is expected to be more and more perfect, and the primary therapeutic treatment for patients with coronary heart disease is more and more.

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