Meditation and Preventive Cardiac Health

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The sole author designed, analysed, interpreted and prepared the manuscript.

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ABSTRACT
Thanks to advancements in medical and technical therapy, heart failure (HF) patients are now better predicted. A longer lifespan is linked to an increase in the number of risky lifestyle factors and behaviours that put a person at risk for heart failure (HF) early on in life. Doctors dealing with this challenging illness place emphasis only on medicinal products or medical equipment, although changes in lifestyles may assist to prevent and cure heart failure and are often neglected. The effects of weight reduction and exercise on cardiovascular disease (HF), as well as the impact of nutritional supplements and mindfulness on the illness’s causes, physiopathology, and therapy, were studied by researchers.

Keywords: Coronary, myocardial; rehabilitation; cardiovascular; meditation; holistic wellness.

1. AIM
To analyse the effect of meditation to prevent deterioration of cardiac health and to keep it alive for a longer period.

2. INTRODUCTION
Multi-phase CR models have been the norm in the past. Pre-hospital mobilisation and education are part of step one. It is given to each patient on an individual basis and groups of patients in some facilities. Acute myocardial infarction patients now typically stay in the hospital for 4–6 days after the event, coronary bypass surgery patients now typically stay in the hospital for 5–7 days, and angioplasty patients now typically stay in the hospital for one day after the procedure.
When it comes to clinical rehabilitation methods, most are built around closely monitored outpatient programmes. Following hospital discharge, attendance begins soon after and stops within three months of the acute occurrence. The substance of official CR programmes for outpatients varies greatly. Almost all of them include some sort of team-building activity. In most cases, education is included in the service. Physical fitness and risk factor control are provided in a minimally supervised setting in the ambulatory maintenance programme. The content and structure of maintenance programmes are considerably more diverse than those of ambulatory programmes [1].

Even though CR is a proven method of secondary prevention, a referral is suboptimal, and participation rates are low in Australia, the United States, and Europe (between 10 and 30 per cent), respectively.

Barriers include transportation, job schedules, social obligations, lack of perceived need, and functional impairments that prevent people from receiving traditional CR. There are several barriers to traditional CR, such as high costs, limited availability, and inability to reach the patient populations most in need of risk factor reduction, such as the older population, women, ethnic groups and those with limited financial resources. A wide range of CR models has emerged as a result of these difficulties. For flexible and tailored management, these programmes include (separately or together) personal visits, community services, or home manuals with phone or electronic support. Nurse-coordinated care, case management, telemonitoring with periodic follow-up, and community-based groups with ongoing health practitioner assistance given in a variety of locations are also other options to consider [2].

To that end, the study set out to identify and evaluate evidence supporting the efficacy of various CR models. In the review, three important research questions were addressed: Besides traditional hospital-based rehabilitation, what are the other types of CR care models? What are the most important aspects of each model of healthcare provision?

3. METHOD

Research on the use of complementary and alternative medicine in cardiac rehabilitation was conducted using complementary and alternative medicine websites such as the Medline and the Cochrane databases, as well as databases such as CINAHL, EMBASE, and Clinical Evidence. There were a variety of search terms associated with the heart, including cardiovascular, coronary, myocardial, and rehabilitation.

4. BODILY/MENTAL INTERSECTION

The interaction of social, spiritual, and physical aspects of one's well-being is referred to as mind and body intervention, psychiatric and behavioural elements that influence a good state of health. Yoga is an age-old discipline that blends physical exercise with mental concentration. It controls body motions, breathing, and thoughts. It is suggested that yoga's positive benefits on raised blood pressure affected the cardiovascular system, enhanced the parasympathetic tone, and decreased the vagal tone action on the part of the sympathetic system. There are various styles of yoga. They have been linked to anginal health improvements, symptoms, and the ability to work out. Inflammation is reduced, and atherosclerosis is less common, as well as improvements in several further automobiles. Factors that increase the risk of cardiovascular disease. Mainly, there have been two studies on yoga in people with known heart failure (HF). They were, among others, NYHA functional classifications I through III, applicable to both genders [3]. As an example, only patients with HFrEF were included in the research, and HFpEF and HFrEF were used in the other trial. A warm-up that includes exercises like jumping jacks and skipping was used in both experiments. The breathing exercises, a 40-minute standing or walking workout, or any combination thereof relaxing for 15 to 20 minutes while in seated positions recuperation. There was an increase in both studies that revealed. There was no difference in the VO2 levels between the yoga intervention group and the control group in the quality-of-life index. Considering that even the slightest increase in the fact that you reached a VO2max of 10% is noteworthy. Adaptation appears to be enticing a person's general well-being [4]. Additionally, the indexes rose by 24% in the yoga group as a whole. This in a population with a high prevalence of a very high rate of depression. Incorporating yoga into your daily routine should be a priority. It is recognised as a potential approach for cardiac rehabilitative treatment for cardiomyopathy sufferers. TM is a chant-based form of meditation. The practice of
meditation, which has also been linked to improved cardiovascular and blood vessel health, benefits and provides advantages throughout life. A preliminary study found that practitioners’ heart rates slowed and their oxygen consumption dropped while doing treadmills (TM). Since that time, a lower mortality rate is connected with improved blood pressure and insusceptible changes in incapacity. Analysis of 202 people combined high blood pressure from 2 patients (mean age 72) different research projects, each with a 7.6-year follow-up average years of research indicated that when compared to the combined control groups. TM and other behavioural interventions were used with participants, as well as associating itself with a 23% drop in a relative decrease of 30% in all-cause death and mortality. Cardiovascular disease is the leading cause of death [5]. A research project involving 23 people found that when it comes to African-American patients with an EF below 40%, however, the group improved significantly in the 6-minute test, a brisk walk, depression ratings, and a quality-of-life assessment. As compared to patients who got only conventional care, the results were six-month-old health education; the TMD as well group saw fewer readmissions to the hospital across the 6-month study period monitoring duration of a month. People were involved in another investigation. In a randomised trial, individuals with congestive heart failure were given either standard care or routine medical care, as well as weekly meetings that included meditation [6]. A 12-week meditation programme which ended with participants feeling more relaxed and focused showed a rise in the number of workout metrics, better life satisfaction scores, and a decrease in blood levels of the stress hormone norepinephrine. Providing assistance, education, and research called the Chronic Heart Failure Research Project an eight-week psychoeducational mindfulness programme treatment for heart failure patients with lower levels of stress and despair in comparison to subjects-in-control. Even though the impact was reduced, those in the therapy group had better HF symptom control at 12 months than those in the control group after one year. Death and hospitalisation did not change after a year. As a result, the AHA promotes TM based on this and other data. Secondary CHD prevention is a component. For the most part, the low-quality studies on yoga and TM that have been conducted had a substantial likelihood of bias, limiting the usefulness to arrive at inferences based on them. However, there are numerous yoga studios in the local community, and they pose a minimal level of risk [7].

The future of lifestyle change technology:

Since maintaining an active, healthy lifestyle is tough and many people are interested in the developments that have occurred, the broad application of innovative technology to quickly provide reminders and tracking, motivating methods for people to increase their food consumption and exercise. I'm making an effort to live a healthy lifestyle. In this area, confidence is currently restricted.

5. METHOD OF MEDICINE AND PRACTICE

While overall immaturity is on the decline, HF incidence continues to climb. Advances in the death rate from heart failure the way you live, for example, a bad diet, being overweight, and not doing enough exercise, emotional stress has likely elevated levels had an impact on the shift in heart-attack epidemiology infancy, younger-onset, a greater percentage of hope. Several options exist for implementation, to make alterations in one's habits, to lessen an increase in the risk of developing HF. The growing HFrEF genotype needs to be taken into consideration because it is devoid of effective medicinal or technological solutions [8]. Numerous the same there is potential for techniques in the management of referenced higher-frequency technology (HF technology). As a result of striving for in addition to keeping a healthy weight and usual weight has been maintained indisputable advantages in terms of prevention the greatest data points to ET as a treatment option for people with built upon the previously developed HF. Mindfulness-based stress reduction and body interventions have a wide range of health advantages, including the long-term effectiveness of HF treatment which is still unclearly defined. Limited data exist for all types of supplements; however, there’s evidence that reducing HF risk would be beneficial in today’s time. Patients should be enticed to sign up for and/or take part in cardiac rehabilitation applications or find out options for working out in their house [9].

6. RESULT

In combination with alternative and complementary medical care, traditional cardiac rehab can be employed. The addition of
meditation to their present fitness program might be an added therapy option for those with low or moderate risk. Transcendental meditation can be used as a form of stress reduction. Sadly, the efficacy of acupuncture therapy for cardiac rehabilitation or secondary prevention is not substantiated.

7. CONCLUSION

Cardiac rehab patients can benefit from alternative and complementing medicine which has proved to be effective for others. More complementary and alternative research is needed, however, to demonstrate its value as an addition to cardiovascular rehabilitation.

DISCLAIMER

The products used for this research are commonly and predominantly used products in our area of research and country. There is absolutely no conflict of interest between the authors and producers of the products because we do not intend to use these products as an avenue for any litigation but for the advancement of knowledge. Also, the research was not funded by the producing company; rather it was funded by personal efforts of the authors.

ETHICAL APPROVALS

We conducted our research after obtaining proper IEC approval.

CONSENT

As per international standard or university standard, patients’ written consent has been collected and preserved by the author(s).

COMPETING INTERESTS

Author has declared that no competing interests exist.

REFERENCES


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