

A Study to Assess the Knowledge Regarding Stem Cell Therapy in Treatment of Cardiovascular Diseases Among BSc Nursing Students in Selected College at Bangalore

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Abstract: Heart is the best example to explain the importance of work. it works from the 28th day of intra uterine life till last breath. A true experimental study was conducted to assess the knowledge regarding stem therapy treatment of cardio vascular disease among BSc nursing students in selected college. The study was conducted among 60 3rd year BSc nursing students by using purposive sampling method. There was a statistically significant association between age, educational status, family history and pretest knowledge scores regarding the stem cell therapy.

Keywords: Assess, Knowledge, stem cell therapy, cardio vascular disease, BSc nursing students

1. Introduction

Heart diseases are world's largest killer disease claiming 17.1 million lives a year. The major heart diseases include MI, CHF, atherosclerosis. Myocardial infarction is the leading cause of death now a days. Current treatments fail to address the underlying scarring and cell loss, which are the causes of ischemic heart failure. Heart regeneration via stem cell therapy is to improve the functional outcome for millions of patients. A stem cell is a cell that has the ability to divide for indefinite periods often throughout the life of the organism.

2. Method

A study was non probability purposive sampling based on inclusive criteria and design chosen for the study is true experimental one group pretest posttest research design. The study was conducted on 60 III - year BSc nursing students studying in selected college at Bangalore.

3. Results

The mean knowledge score is increased in the post test. The mean in the post test is 22.6 whereas the mean in the pretest is 12.32. The variation is decreased in post test when compared to pretest. SD in the post test is 5.8 and in the pretest is 15.2. The mean improvement is 9.4. The calculated t – value is 2.1. which are highly significant. The result of association between knowledge of 3rd year BSc nursing students regarding stem cell therapy in the treatment of cardiovascular disease and selected demographic variables. The chi – square test was resulted to be significant at <0.05, so there is a statistical association between age, educational status, family history and pretest knowledge scores regarding the stem cell therapy.

4. Conclusions

Based on the findings, it was concluded that structured teaching programme was effective in improving the knowledge of B Sc nursing students regarding stem cell therapy in cardiovascular disease.

5. Future Scope

Comparative study can be conducted to assess the knowledge on stem cell therapy among B Sc nursing students studying and staffs working in a hospital.

References

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