

A Study to Assess the Effectiveness of Oil Massage on Selected Parameters Among Low Birth Weight Neonates at Bethesda Hospital, Nagercoil



Nursing

KEYWORDS :

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ABSTRACT

Introduction: Low birth weight are most common problem among neonates, Low birth weight neonates or growth retarded are prone to manifest diabetes mellitus, hypertension and coronary artery disease in later life. Objectives: To assess the selected parameters of Low birth weight Neonates among experimental and control group. To determine the effectiveness of oil massage on selected parameters of low birth weight neonates among experimental group. To compare the effectiveness of oil massage on selected parameters between experimental and control group. To find the association between the selected parameters of low birth weight neonates with their demographic variables among experimental group. Methodology: Quasi experimental design with convenient sampling technique 60 samples was analyzed by descriptive and inferential statistics. Result: there was no association between level of vital parameters and demographic variables at (p<0.05).

INTRODUCTION:

Low birth weight are most common problem among neonates, Low birth weight neonates or growth retarded are prone to manifest diabetes mellitus, hypertension and coronary artery disease in later life. Therefore low birth weight is a high risk factor for adverse outcome in life. Hence the investigator felt that some intervention will help these neonates to improve their vital parameters. So, the investigator was introduced to give oil massage to low birth weight neonates.

STATEMENT OF THE PROBLEM:

A study to assess the effectiveness of oil massage on selected parameters among low birth weight neonates at Bethesda hospital, Nagercoil.

OBJECTIVES

The objectives of the study

- To assess the selected parameters of Low birth weight Neonates among experimental and control group.
- To determine the effectiveness of oil massage on selected parameters of low birth weight neonates among experimental group.
- To compare the effectiveness of oil massage on selected parameters between experimental and control group.
- To find the association between the selected parameters of low birth weight neonates with their demographic variables among experimental group.

HYPOTHESES:

H1 - There is a significant increase in selected parameters among low birth weight neonates who undergo oil massage between experimental and control group.

METHODOLOGY:

Quasi experimental research design was used for this study. Convenient sampling technique was used and 60 low birth weight neonates were selected, 30 in experimental group, 30 in control group at Bethesda hospital, Nagercoil. The data was collected, organized and analyzed in terms of both descriptive and inferential statistics.

ANALYSIS AND INTERPRETATION:

Effectiveness of oil massages on weight score among LBW neonates in the experimental and control group.

weight	Mean	Standard Deviation	Paired t value
Experimental group Pre test	1.93	0.27	t=8.526*** P=0.000,S.
Post test	2.26	0.23	
Control group Pre test	2.01	0.28	t= -0.597 P=0.555, NS.
Post test	2.02	0.23	

The above table shows that oil massage was effective in increasing weight among low birth weight neonates in experimental than control group.

Effectiveness of oil massage on body temperature score among LBW neonates in the experimental and control group.

Body temperature	Mean	Standard Deviation	Paired t value
Experimental group Pre test	33.6	1.81	t=5.042*** P=0.000,S.
Post test	35.3	1.59	
Control group Pre test	34.3	1.71	t= -1.336 P=0.192, NS.
Post test	34.6	1.63	

The above table shows that oil massage was effective in maintained body temperature among low birth weight neonates in experimental than control group.

Effectiveness of oil massage on sleep score among LBW neonates in the experimental and control group.

sleep	Mean	Standard Deviation	Paired t value
Experimental group Pre test	7.00	1.11	t=7.702*** P=0.000,S.
Post test	10.0	3.02	
Control group Pre test	8.63	2.20	t= -1.304 P=0.202, NS.
Post test	9.17	3.32	

The above table shows that oil massage was effective in induced sleep among low birth weight neonates in experimental than control group.

RESULT:

The study results showed that a vast majority of them i.e. the mean score of selected parameters was 5.57 with SD 0.86 before applying oil massage and after applying oil massage the mean score was 8.33 with SD 1.92. By using chi-square, it was statistically found that there was no association between level of vital parameters and demographic variables such as Age, birth order of baby, gender, mode of delivery, birth weight, religion, feeding pattern, Education of mother, occupation of mother, family income and type of family at (p<0.05).

CONCLUSION:

The study findings revealed that oil massage helps in increasing vital parameters (weight, sleep, body temperature).therefore it is to be concluded that oil massage is essential for low birth weight neonates.