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Comparison Of Mean Post-Test Scores of Pain During the Active Phase of Labour Among The Massage Group And Hot Application Group. Mean And Standard Deviation Value of Post-Test Scores of Massage and Hot Application Group

AYUSHI SHARMA

Research Scholar, Ph. D in Obstetrics and Gynaecology - Nursing CMJ University, Jorabat, Meghalaya, India.

ABSTRACT

Findings related to comparison of mean post-test scores of pain during the active phase of labour among the lumbosacral massage group and hot application group.

Effectiveness of Hot application

After the hot application, the mean pain level significantly decreased to 12.3, indicating a substantial reduction in reported pain intensity compared to the pre-test level. The standard deviation (SD) of 1.68 suggests a relatively low degree of variability in the reported pain levels after the hot application, indicating a consistent response among the individuals. The per cent reduction in pain level is calculated as 64.15%, signifying the proportion by which the mean pain level decreased after the hot application (Table 4.8). This reduction is categorized as "Moderate," indicating a substantial but not complete alleviation of pain on average. The p-value being less than 0.005 suggests statistical significance, indicating that the observed reduction in pain level is unlikely due to random chance. The term "Significantly reduced" further emphasizes the statistical significance of the pain reduction achieved through the post-test hot application.

Hot	Mean	Me	Mean	Standa	SD of	SEM	t-value	р-	Percent
applicatio	pain	dian	differe	rd	differe	differe		value	reductio
n group	score		nce	Deviati	nce	nce			n in pain
				on					
Pre-test	34.27	35	21.09	3.67	4.24	0.29	88.46	<0.005	64.15%
Post-test	12.3	12		1.68					

Table 1: Analysis	Of Effectiveness of	f Hot Application	Based on Mean.	Median. And P-Value
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Effectiveness Of Massage Application

The data provided pertains to the effectiveness of post-test massage application in reducing the level of pain. The mean pain level after the massage is 25.44, indicating a notable decrease compared to the pretest mean pain level of 34.87. This reduction in mean pain level suggests that the post-test massage application is associated with a decrease in reported pain intensity.

The standard deviation (SD) of 7.15 reflects the variability or dispersion in the reported pain levels after the massage. A higher standard deviation suggests a greater degree of variability in the individual responses to the post-test massage).

The data suggests that post-test massage application is effective in reducing pain levels, as evidenced by a significant decrease in the mean pain level, a percentage reduction of 27.04%, and a p-value indicating statistical significance. The term "Less Severe" characterizes the post-massage pain level, indicating a positive impact on the perceived intensity of pain.

Massage	Mean	Med	Mean	Standard	SD of	SEM	t-value	p-value	Percent
group	pain	ian	differen	Deviation	differen	differen			reduction
	score		ce		ce	ce			in pain
Pre-Test	34.87	35	9.43	2.75	7.95	0.35	29.35	<0.05	27.04%
Post-	25.44	28		7.15					
Test									

Table 2.	Analysis	Of Effectiveness	of Massage	Application	Based on Mean	Median And P-Value
Table 2.	Allarysis	OI Effectiveness	UI Massage	Аррисацон	Daseu on Mean	, Meulan Anu I - value

Comparative Study of Massage and Hot Application

We compared the post-test results of massage and hot application and found hot application more effective. The mean value of the hot application is 12.3 (Moderate) whereas it was 25.44 (severe) for massage (Tables 4.8 and 4.9). We found a statistically significant difference (p= <0.05) between the two methods. It confirms hot application as an effective method to relieve pain among the study population.



Figure 1: Comparative Study of Post-Test Means Values of Massage and Hot Application