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Frequency And Percentage Distribution of Women in Lumbosacral Hot Application Group and Massage Application Group by Demographic Characteristics

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ABSTRACT

The demographic characteristics of the sample subjects under study. The sample consisted of primigravida parturient women in 2 groups (Massage group and hot application group). The data obtained described the characteristics of their age, education, and Practising of Relaxation therapy. Table 1 represents the characteristics of the samples.

Table 1: Frequency And Percentage Distribution of Women in Lumbosacral Hot Application Group and Massage Application Group by Demographic Characteristics

S.No	Demographic Characteristics	Hot Application N=250		Massage Application N= 250	
		Frequency (f)	Percentage (%)	Frequency (f)	Percentage (%)
A	**Age Group**				
1	18-23	210	84	215	39.0
2	24-29	36	14.4	32	45
3	≥30	4	1.6	3	53.3
B	**Education**				
1	No Education	22	8.8	15	6
2	Matric	110	44	75	30
3	10+2	102	40.8	88	35.2
4	Graduate, Postgraduates	16	6.4	72	28.8
C	**Employment**				
1	Housewife	121	48.4	103	41.2
2	Self- Employed	59	23.6	57	22.8
3	Private job	49	19.6	58	23.2
4	Government job	21	8.4	32	12.8
D	**Mode of Labour**				
1	Spontaneous labour	225	90	239	95.6
2	Induction with Pitocin	25	10	11	4.4
E	**Gestation Period**				

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1	37-38 Week	230	92	230	92
2	39-40 Week	18	7.2	20	8
3	>40 Week	2	0.8	0	0
F	**Relaxation Therapy**				
1	Yoga	179	71.6	198	79.2
2	Meditation	46	18.4	37	14.8
3	Others	0	0	15	6

Data presented in Table 1 offers a comparative analysis between two distinct groups: "Hot Application" and "Massage Application" across various demographic and pregnancy-related factors. The comparison sheds light on how these groups differ in terms of user characteristics, providing insights into the preferences and usage patterns within each group.

A. Age Group

The data reveals interesting variations between the two applications when examining the Age Group category. For the " Massage Application," there seems to be a more evenly distributed usage across age groups, with the 18-23, 24-29 and >30 age groups accounting for 39%, 45% and 53.3% compared to the Massage Application. Conversely, the "Hot Application" shows a significant dominance in the 18-23 age group (84%), suggesting more younger users (Figure 2). The 18-23 years and ≥30 age group represents a minor fraction in Hot Application (14.6% and 16% respectively).

B. Education

In the Education category, both applications exhibit a preference among users with at least a matriculation level of education. However, the "Hot Application" group shows a higher percentage of users with no education (8.8%) compared to the "Massage Application" group (6%). On the other hand, users with graduate and postgraduate education seem to favour the "Massage Application" (28.8%) more than the "Hot Application" group (6.4%). 85% and 75% of participants were either Matrics or 10+2 pass outs).

C. Employment

In the Employment category, the maximum participants of in Hot Application and Massage Application groups were from the housewife's category (48.4% and 41.2% respectively). whereas the "Hot Application" is more evenly distributed across different employment categories. Self-employed individuals were evenly distributed in both groups, while private job holders lean slightly towards the "Massage Application" (19.6%). Government jobholders exhibited minimum participation in the study.

D. Mode of Labour

The data on the Mode of Labour indicates that both applications are predominantly used by those who experienced spontaneous labour (Figure 4). However, the "Massage Application" group shows a higher percentage in this category (95.6%) compared to the "Hot Application" group (90%). In contrast, the "Hot Application" group has a more substantial presence in the induction with Pitocin category (10%) compared to the "Massage Application" group (4.4%).

E. Gestation Period

The Gestation Period category indicates a preference for the "Massage and hot Application" study including the majority falling into the 37-38 weeks' category (92% each). In contrast, the "Hot Application" group shows more diversity in gestation periods, with a significant portion in the 39-40 weeks category (7.2%) and >40 weeks (0.8%).

F. Relaxation Therapy

The Relaxation Therapy category highlights yoga as the most preferred relaxation therapy for both groups. The "hot Application" users overwhelmingly meditation (18.4%), while the "massage Application" users, report using meditation and other relaxation methods (15% and 6% respectively) both.
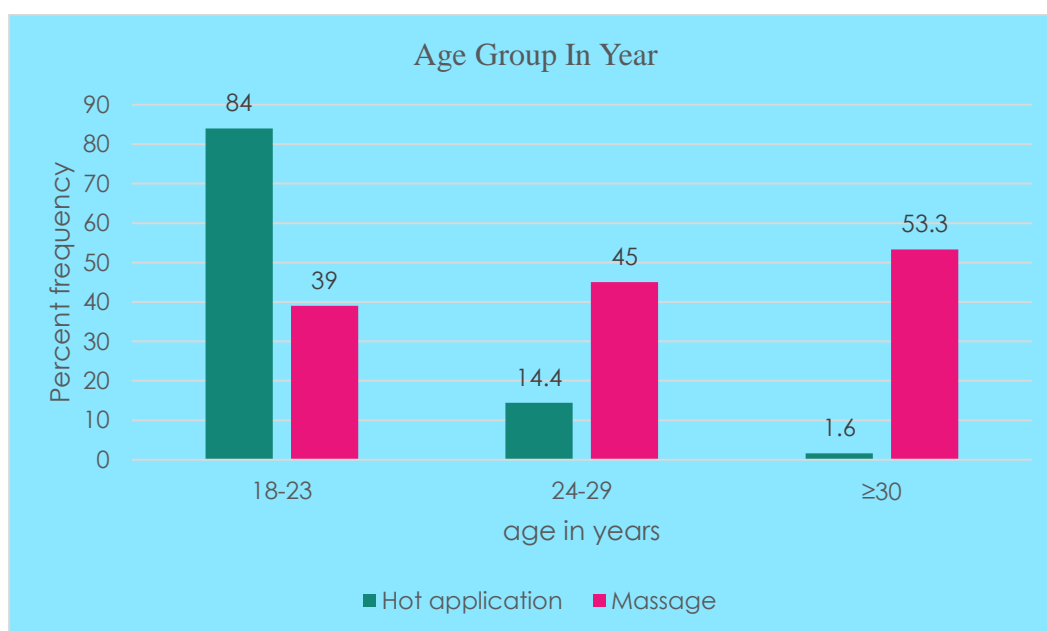

Figure 1: Percentage Distribution of Women in The Lumbosacral Hot Application Group and Massage Application Group by Age Group
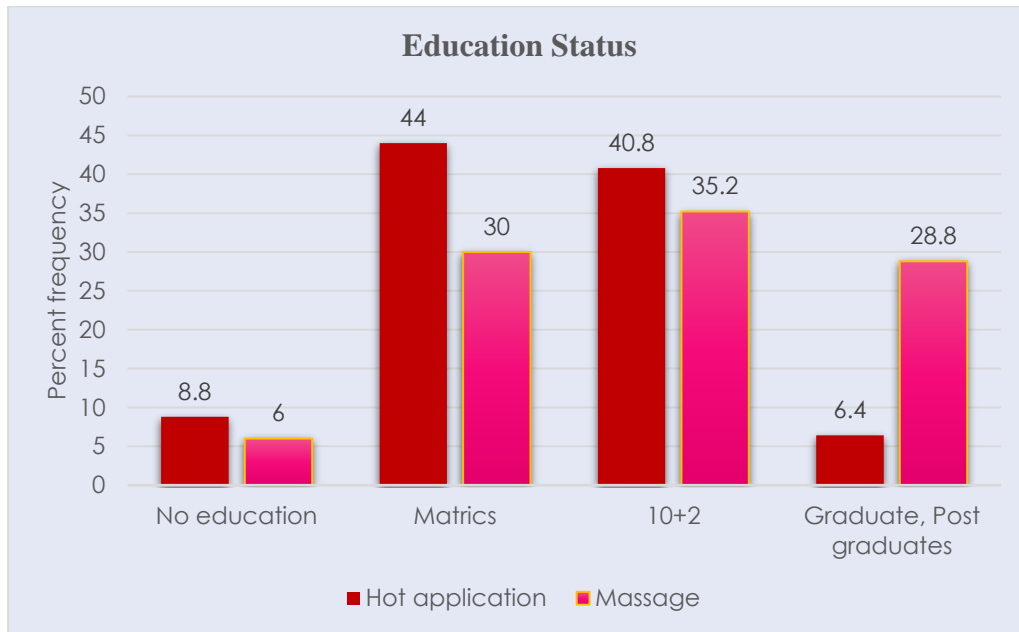
Figure 2: Percentage Distribution of Women in The Lumbosacral Hot Application Group and Massage Application Group by Educational Status
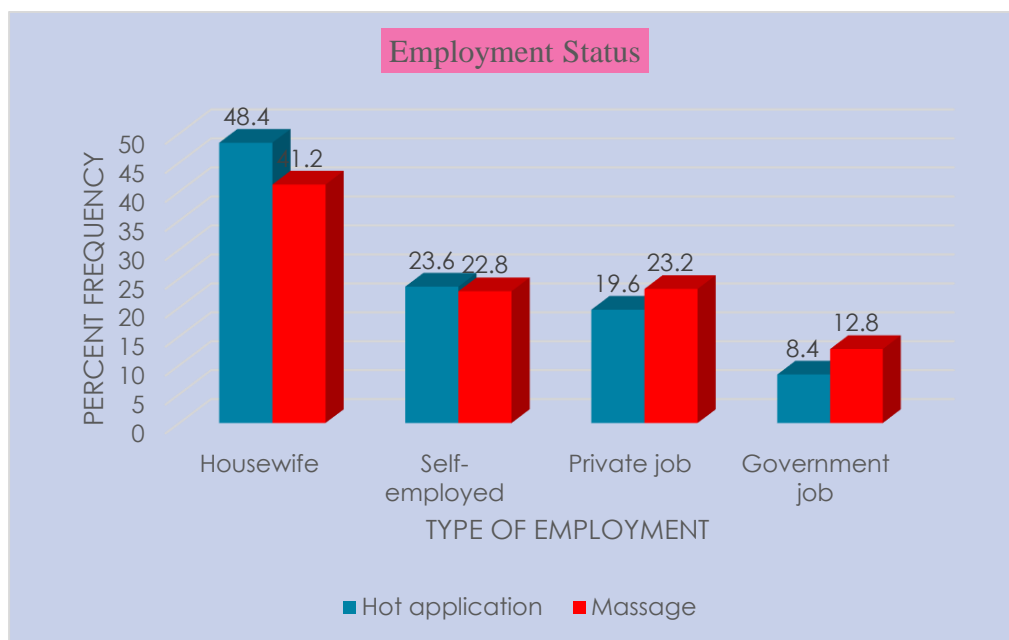

Figure 3: Percentage Distribution of Women in Lumbosacral Hot Application Group and Massage Application Group by Employment Status
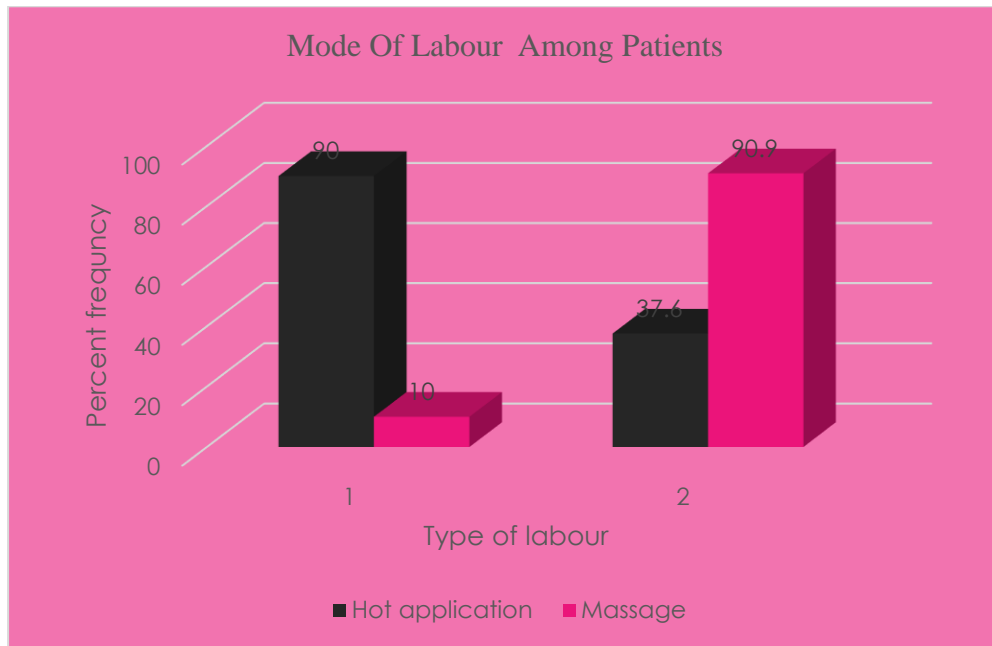
Figure 4: Percentage Distribution of Women in The Lumbosacral Hot Application Group and Massage Application Group by Mode of Labour Characteristics
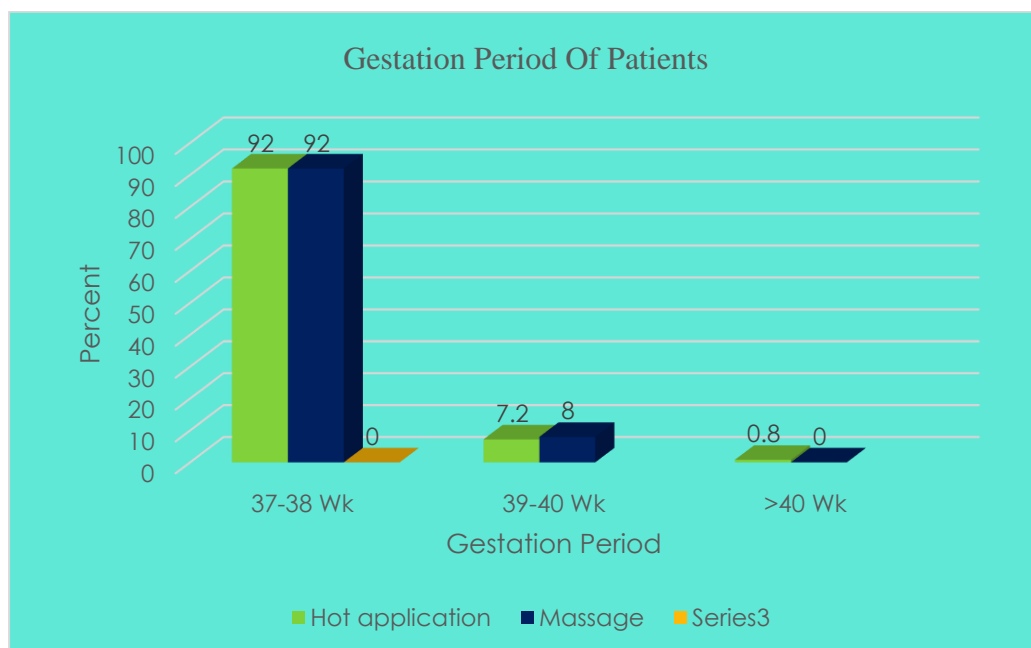

Figure 5: Percentage Distribution of Women in The Lumbosacral Hot Application Group and Massage Application Group by Gestation Period
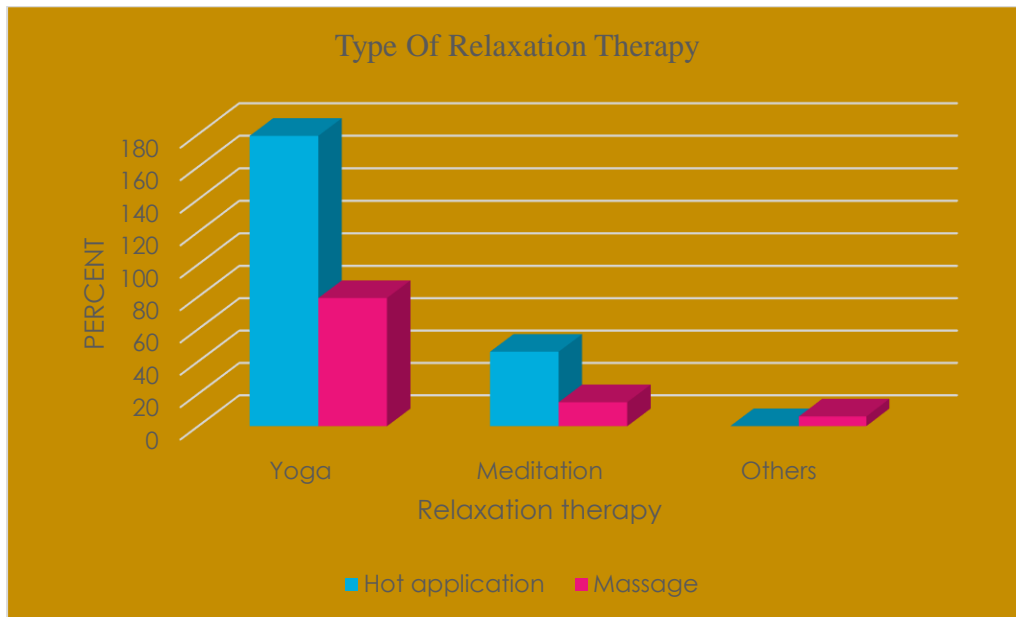
Figure 6: Percentage Distribution of Women in The Lumbosacral Hot Application Group and Massage Application Group by Relaxation Therapy