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A DESCRIPTIVE STUDY TO ASSESS THE COGNITIVE STYLE AMONG THE NURSING TEACHER WORKING IN SELECTED NURSING INSTITUTE OF VADODARA GUJARAT (WITH A VIEW TO IMPROVE THE COGNITIVE PROCESS)

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ABSTRACT

Background: Cognitive style or "thinking style" is a concept used in cognitive psychology to describe the individuals think, perceive and remember information. In the areas of education and management it remains a major concept. So it is necessary for the teacher to have awareness of cognitive style The proper training and preparation of nursing teachers regarding cognitive style are essential because teaching is a highly professional job. Understanding strength and weakness of cognitive function among the nursing teachers eventually will help them to provide quality education. **Aim**: The aim of study was to assess the cognitive style among the nursing teacher working in selected Nursing Institute. **Material & methods**: The non-experimental descriptive

and non probability purposive sampling technique was adopted. 291 samples have been recruited based on inclusion and exclusion criteria. The data was collected by using alert cognitive style scale. Data was obtained from social platform such as gmail, whatsapp, facebook. Collected data were analyzed by using descriptive and inferential statistics. **Results**: Based on the analysis result shows that majority of nursing teachers were belongs to middle brain dominants 199 (68.4%), 66 (22.7%) were belongs to left brain dominant and 26(8.9%) were belongs to right brain dominant. **Conclusion**: The present study concluded majority of the nursing teachers belongs to middle mid brain dominant.

Keywords: Cognitive style, Nursing teachers, Nursing institutes

INTRODUCTION

The effectiveness of the nursing teachers performance depends on their cognitive style, emotional temperaments, attitude and good metal health [1]. Each hemispheres of the brain has their own strength and weakness. The cognitive style of individual with left brain dominant are stronger in analytical thinking [2]. Apart from that they are open-minded, able to solve their problems by own, active to ask thoughtful questions [3]. The left brained dominant person believes in reality, thinks logically and quickly learn number of languages [4]. The disadvantage of Left brained dominant person is not strong enough to express the emotions toward others, lacked in imagination they hardly able to bring their imagination in reality and weaker in recalling [5]. On other hand, right brain dominant people weak in analytic thinking do not believe in reality and more believe in imagination but they are good in

proficient in memorizing people's face, good in expressing their feelings. They are artistic and very creative person [6]. They possess a special talent in reading people's emotions [7]. Whereas mid brain dominant person tent to have both right-side and left-side brain dominant characteristics but everything in average level. The nursing teacher has to play multiple activities such as instructor, trainer, facilitator etc. Knowing their own cognitive strength and weakness is essential for the nursing teacher to provide good teaching learning activities.

MATERIAL AND METHOD

Sample selection:

A quantitative research approach was adopted. A non-experimental descriptive design was used to test the main objective for assessing the cognitive styles of nursing teachers who are working in the nursing institute. Data was collected from nursing

teachers who were working in different nursing institute of Vadodara city. According to Raosoft Software the sample size estimated was done and total 291 nursing teacher was taken as a sample by using non-probability purposive sampling technique. The tool used for research study was the standardized alert cognitive style scale which is developed by Dr. Loren D. Crane, Western Michigan University, (1989) is used to assess the cognitive styles of nursing teachers whether they are right brain hemisphere dominant, left brain hemisphere dominant and middle brain dominant. In this tool there are 21 pairs of sentences from which the subject is asked to select any one i.e most appropriate to them.

The nursing teachers who are working in selected nursing institute and not having exposure with cognitive style assessment were included in the study. Whereas the nursing teachers who are specially qualified in a psychology were excluded from this study.

The data for the present study was collected from 291 nursing teachers who are working in various nursing institute The participant were reputed based on this inclusion and exclusion criteria. During this amid pandemic researcher has used social platform for collecting data from the participants mainly the social media such as G-mail, Whatsapp, Facebook has used. Data collection period was between 18-12-2020 to 12 -01- 2021.

Researcher has been used Frequency and percentage distribution to describe the demographic variable and Chi-square test for association.

RESULT

Majority of the nursing teachers 72.2% belong to the age group of 21-30 years. Total 82.8% nursing teacher were belongs to middle class and 72.5% come from urban area. Moreover 91.8% teachers were right hand dominant. Most of nursing teachers 35.1% were having B+ blood group. Other than that of the 44.0% nursing teacher father's graduate and 29.9% mother's education is graduate **(Table 1)**.

It depicted that the distribution of nursing teachers according to their cognitive style. It was observed that among 291 participants majority of nursing teachers 199 (68.4%) were middle brain dominant, 66 (22.7%) were left brain dominant, 26 (8.9%) was right brain dominant **(Table 2)**.

Table 1: Frequency and percentages distribution of samples, according to their demographic characteristic

S. No.	Demo graphic data variable	Categories	No of Respondents in frequency	No of Respondent in percentage
1.	Age in year	21-30	210	72.2%
		31-40	57	19.6%
		41-50	11	3.8%
		>50	13	4.5%
2	Family Economical condition	Lower Middle Class	9	3.1%
		Middle Class	241	82.8%
		Upper Middle Class	41	14.1%
3.	Dominant Hand	Right	267	91.8%
		Left	24	8.2%
4.	Residential area	Rural	80	27.5%
		Urban	211	72.5%
5.	Blood Group	A+	76	26.1%
		B+	102	35.1%
		O+	86	29.6%
		A-	8	2.7%
		B-	5	1.7%
		AB-	9	3.1%
		O-	5	1.7%
6.	Education of Father	No formal education	20	6.9%
		Secondary	47	16.2%
		Higher Secondary	57	19.6%
		Graduate	128	44.0%
		Post graduate	39	13.4%
7.	Education of Mother	No formal education	31	10.7%
		Secondary	61	21.0%
		Higher Secondary	86	29.6%
		Graduate	87	29.9%
		Post graduate	26	8.9%

Table 2: Distribution of the respondents according to cognitive style

Dominancy of Brain	Frequency	Percentage
Left Brain 0-8	66	22.7%
Middle Brain 9-13	199	68.4%
Right Brain 14-21	26	8.9%

DISCUSSION

The study provides an insight into the degree of awareness and characteristics of teachers about their own thinking processes, abilities and nature. Study findings shows that majority of nursing teacher were mid brain dominance and they are have both right-side and left-side brain dominant characteristics but everything in average level [8]. Similar meta-cognition research study was conducted on medical student. Their findings also shown that majority of medical student were middle brain dominant [9]. It has been found another study regarding cognitive style assessment in school teacher was most of teacher belongs to middle brain dominant. Focus on self-assessment and self-reflection of cognitive style of nursing teacher is uniqueness of the study. This study result provide crucial sources of knowledge in this area. There are less number of teachers who belongs to right and left brain dominant, so

we have to provide knowledge about their strength and weaknesses as per their brain dominances

CONCLUSION

The presence study concluded that identifying in the cognitive is the vital important for the all the nursing teachers for enhancing their competence in teaching learning activity.

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