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	ournal or OF	RIGINAL RESEARCH PAI	PER	Nursing
Indiac	PARTPET	CTIVENESS OF THE PLANNE GRAM ON VITAMIN-A SUPPI DWLEDGE AMONG THE MOT DREN IN SELECTED AREAS A NATAKA.	D TEACHING LEMENTATION HERS OF UNDER 5 AT BANGALORE,	KEY WORDS: Knowledge, Vitamin A supplementation, Planned teaching Programme, Mothers of under five children
N V	1rs. Sheeliya Vhite	MSC Nursing, MBA		
АРСТРАСТ	INTRODUCTION: Blind of the study is to asses METHODS: A quasi - interview for mothers w RESULTS: The results of in the experimental grr There was an associatio 0.01 level. CONCLUSION: Educa to pretest. The commun	dness owing to Vitamin A deficiency is s and improve the knowledge of the experimental study was conducted of vas done using a semi structured quest of this study showed that the mean im pup and in the control group mean ir on between knowledge level and dem tion given to the mothers of under 5 con hity health department can take measu	is one amongst the key nutrit mothers of under 5 children on 80 mothers of under 5 cl ionnaire. provement of knowledge is 5 mprovement knowledge is 2. iographic variables which was children was very effective in in ures for the hindrance of vitam	tional issues in India. Hence, the aim on Vitamin A Supplementation. hildren in Karnataka. A face-to-face 1.98 with a standard deviation of 9.09 39 with a standard deviation of 6.25. significant at P < 0.05, P < 0.001, P < mproving knowledge when compared in A deficiency.
INT The fror WF 5 ye tha def	IRODUCTION high prevalence of vitamin m developing countries of 40 in May 2006 more than 1- ears may be living with dang in 4 million children wo iciency, which is expected to	n A deficiency has been reported of southeast Asia. According to 40 million children under the age of erously low Vitamin A Stores. More rldwide exhibit signs of severe odouble in the future.	A pre-tested semi struct information included in the and knowledge based que The Planned Teaching Pro- test. The post-test was of Teaching Program for th conveniently summarized and Inferential statistics.	tured questionnaire was used. The e questionnaire was socio-demographic estions on Vitamin A Supplementation. gramme was given soon after the pre- lone on the 7th day of the Planned e mothers. The collected data were and tabulated by applying descriptive
Nea affe glol boo Indi am rep	arly 44-50% preschool child acted by severe VAD. Oth ople to be severely affect bally, with vitamin A to be dy. A significant increase i ian women from 2001 (5.99 ia has the highest prevaler ong South Asian countries orted to be deficient in v	ren in the South Asian regions were er estimates showed 1.02 billion ted by micronutrient deficiencies the most deficient nutrient in the n the magnitude of VAD among (6) to 2011 (30.3%) was observed. the of clinical and subclinical VAD co of clinical and subclinical VAD co for preschool children were vitamin A. These dramatic results	RESULTS The demographic data sho of mother's belonged to t majority of samples 75 % · were equally from nuclear mothers were Literate, 95 More than 60% of mothe 60% mothers were having source of information is frie	ws that in the study maximum number the age of 20-30yrs around 80%. The were from the Hindu religion. Mothers r and joint family 50%. Most of the % of their mothers were unemployed, r's family income < 2000 /months and two children. 60% of the mothers main ends and family.
sug dea the A st of N	ggested high mortality rate, aths. Estimates confirmed 31 victims of subclinical VAD. tudy was carried out to evalu Vitamin A Supplementatior	leading to an annual 330,000 child % to 57% preschool children to be uate the impact on Vitamin-A status in integrated with an immunization	The data shows that there v The gain in knowledge so value is higher than table va planned teaching program were effective.	was a significant increase in post scores. core is significant (t=28.41) calculated alue therefore findings revealed that the mme on vitamin A supplementation
can sup pre stur sup	npaign. The study foun pplementation was 97%. Th valence of Bitot's spots fro dy demonstrates the fea pplementation with immuniz	d the coverage of Vitamin A ere was a significant decline in the m 2.9% to 1.9% at 4 weeks. The sibility of integrated Vitamin A ration compaigns. ⁸	The data on association sh age, religion, type of fan source of information a calculated ANOVA value is 0.05 Regarding family inco	ows there was no significance found in nily, occupation, number of children, and dietary pattern. On education 3.92 and it significant at the level of P < me calculated ANOVA value is 6.31 and

The mother ought to have adequate knowledge regarding Vitamin A Supplementation, prevention and management of Vitamin A Deficiency. This is a desire of the researcher to educate the mother regarding Vitamin A Supplementation.

MATERIALS AND METHODS

The research approach adopted for this study is evaluative approach. Evaluative approach helps to explain the effect of the independent variables on the dependent variables. This approach is considered most suitable for this study.

The study design choose was a quasi – experimental design. In this study there is no randomization. A Quasi-experimental study with two group pre and post-test.

01	\rightarrow	$\mathbf{X} \rightarrow$	02	Experimental group
01	\rightarrow	- →	02	Control group

The **sampling technique** used for this study was non-probability convenient sampling technique. The sample size was 80 mothers of under 5 children.

Percentage Distribution of Level of Knowledge in different aspects of Pre test Score in Experimental and Control Group N=40+40=80

its significance at the level of P < 0.01



Figure 1 shows that the pre-test knowledge level of the experimental group were 31 (77.55%) of the mothers having inadequate knowledge in all aspects of vitamin-A supplementation and 9 (22.55%) of them with moderately adequate knowledge and none of them is having adequate knowledge. The pre-test knowledge level of the control group were 36 (90%) of the mothers having inadequate knowledge in all aspects of vitamin-A supplementation and 4 (10%) of them with

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moderately adequate knowledge and none of them is having adequate knowledge.

Percentage Distribution of Level of Knowledge in different aspects of Post test Score in Experimental and Control Group

N=40+40=80



Figure 2 shows that the post-test knowledge level of the experimental group is 40 (100%) of the mothers were having adequate knowledge in all aspects of vitamin-A supplementation. Figure 2 shows that the post-test knowledge level of control group is33 (82.5%) of the mothers were having inadequate knowledge, 7 (17.5%) of mothers were having moderate knowledge and none of them is having adequate knowledge in all aspects of vitamin-A supplementation.

Table 1: Comparison of Mean effect Knowledge Score in different aspects between Experimental and Control Group N = 80

Aspects of Knowledge	Experimental Group		Control Group		Student t– value p - value	
	Mean	S.D	Mean	S.D		
General Information	40.00	20.25	0.62	3.95	t = 12.07, p<0.001 (Significant)	
Functions	42.50	22.63	3.33	14.71	t = 9.18, p<0.001 (Significant)	
Sources	50.00	27.22	0.83	5.27	t = 11.22, p<0.001 (Significant)	
Causes	60.00	30.38	3.75	13.34	t = 10.72, p<0.001 (Significant)	
Sign & Symptoms	53.50	23.26	1.00	4.41	t = 14.02, p<0.001 (Significant)	
Prevention	60.36	15.68	4.28	20.51	t = 13.73, p<0.001 (Significant)	
Overall Knowledge	51.98	9.09	2.39	6.25	t = 28.41, p<0.001 (Significant)	

Table 1 shows the comparison of knowledge level between experimental and control group. It showed that the overall calculated 't' value was 28.41 and it is also significant at the level of P < 0.001

Table 2: Association between Overall Pre test Knowledge and Demographic variables (ANOVA Test) for Control Group N = 40

Demographic Variables	Pre Test Overall Knowledge Score			ANOVA value p - value
	No.	Mean	S.D	
1. Age (in years) a. Less than 19 b. 20 – 30	12 28	35.76 38.69	8.61 11.44	F = 0.63, P = 0.433 (N.S)
2. Religion a. Hindu b. Christian c. Muslim	32 2 6	37.89 29.17 40.28	10.22 0.00 14.11	F = 0.81, P = 0.451 (N.S)
3. Type of family a. Nuclear b. Joint	16 24	34.64 39.93	11.05 10.05	F = 2.46, P = 0.125 (N.S)
4. Educational status a. Illiterate b. Literate	18 22	34.26 40.72	10.75 9.87	F = 3.92, P < 0.05 (Significant)

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	2	F0.00	0.00	5 3 6 6
5. Occupation	2	50.00	0.00	F = 2.89,
a. Employed	38	37.17	10.54	P = 0.097
b. Unemployed				(N.S)
6. Family Income	33	35.98	10.14	F = 6.31,
a. Less than Rs. 2000	7	46.42	9.14	P < 0.01
b. Rs. 2001 – 3000				(Significant)
7. Number of Children	15	36.67	11.15	F = 0.27,
a. One	25	38.50	10.50	P = 0.605
b. Two				(N.S)
8. Source information	26	35.58	10.56	F = 3.48,
a. Family & friends	14	41.96	9.87	P =0.070
b. Mass media				(N.S)
9. Dietary Pattern	12	35.76	9.96	F = 0.93,
a. Vegetarian	28	38.69	10.98	P = 0.433
b. Non - vegetarian				(N.S)

Table 2 shows there was no significance found in age, religion, type of family, occupation, number of children, source of information and dietary pattern. On education calculated ANOVA value is 3.92 and it significant at the level of P < 0.05 Regarding family income calculated ANOVA value is 6.31 and its significance at the level of P < 0.01

DISCUSSION:

The finding of the study was discussed based on the objectives and with the result of the other studies in this section. The current study was done to assess the effectiveness of the planned teaching program on knowledge regarding Vitamin A supplementation among the mothers of under five children. The findings revealed that planned teaching program on Vitamin A supplementation were effective.

In the present study the comparison of knowledge scores between experimental and control group showed that the overall improved mean 51.98 with a standard deviation of 9.09 which is greater than the table value. It shows the PTP on Vitamin A supplementation is effective to increase the knowledge of the mothers.

A study by the Centers for Disease Control and Prevention (CDC) on Vitamin A deficiency (VAD) can substantially increase the risk for childhood mortality from infectious and noninfectious causes. This study suggests that vitamin A supplementation is not required only for under five children it also necessary for pregnant women to avoid or prevent vitamin A deficiency. So it is an important public issue concerning Vitamin A deficiency in under five children, most of the studies show that if we sketch properly and improve the nutritional status along with vitamin A supplementation it will facilitate to decrease the vitamin A deficiency in under five children and also lessen the mortality and morbidity.

CONCLUSION:

The planned teaching program significantly brought out improvement in the knowledge of mothers regarding prevention of vitamin A deficiency among the mothers of under five children. Results showed that there was a significant difference between control and experimental group knowledge score. There is a significant association between few demographic variable and knowledge score.

Nurses are primarily involved in giving comprehensive care to the public. Hence it is required for developing a health education package with regard to different aspects of Vitamin A supplementation, in order to improve the knowledge of mothers and mass health education campaign should be organized regularly by health team to provide education on Vitamin A supplementation.

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