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Assess the knowledge among higher secondary school students regarding dog bite treatment and its prevention from rabies at selected school in Indore

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Abstract

Rabies is a viral zoonosis, an animal disease transmissible to humans, caused by rhabdoviruses of the genus Lyssavirus, aimed "to assess the effectiveness of planned teaching program on dog bite treatment and its prevention from rabies among higher secondary school students" A Pre-Experimental research study with structured knowledge questionnaire pre & posttest plan teaching program is design adopted. Non probability convenient sampling techniques to select 30 higher secondary school students for study. The tool is administered after validity and reliability. Pre-test knowledge score mean is 10.40, SD is 1.94 and posttest knowledge score was 19.33, SD 0.71, and used paired t value is -25.854 and P value is 0.001* statistically different was found.

Keywords: Dog bite, viral zoonosis, treatment, prevention, higher secondary school students

Introduction

"While a dog may be a man's best friend, that is not always in case of children".

Rabies is a viral zoonosis, transmissible to humans, caused by rhabdoviruses of the genus Lyssavirus. Rabies is widely distributed throughout the world and present in all continents. The importance of proper wound care, post exposure vaccination with modern tissue-culture vaccine and the administration of human rabies immune globulin, health educational programs are needed to create awareness, regarding dangers of inadequately managed animal bites. Develop strategies suitable to the India situation popularize the use of intradermal vaccination, with a view to reduce the incidence of death from rabies, with the ultimate goal of eradicating rabies from the country.

Materials and Methods

A pre-experimental study pre an\d post-test was carried out

to assess the effectiveness of planning teaching program in selected higher secondary school students at Khandwa. Total 30 subjects were selected. Planned teaching program was given in higher secondary school students. Data collection tool included structured knowledge questionnaire and check the knowledge score about dog bite treatment and its prevention from rabies. Sample majority 8 (26.7%) were in the age group of 17-18 years and above religion of sample, of majority 15(50%) were Hindus, 18(60%) majority of the students were in 11th standard. Regarding type of family majority of the sample 22(73%) in joint family, regarding majority of number of children 13(43%) were three children in family, regarding father education 15(50.0%) majority of the father were illiterates, regarding mother education 20(66.7%) majority of mothers were illiterates, majority were 17(56.7) regarding sample were having a family income between Rs.5000 to Rs10000, majority 14(46.7%) sample obtained information about rabies from the family members, majority 27(90.0%) of the sample had not attended program related rabies.

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Footnotes

"While a dog may be a man's best friend, that is not always in case of children".

Results & Discussion

The major findings of the study revealed that the mean pre-

test knowledge score was 10.40 + 1.94 and mean post-test knowledge score was 19.33 + 0.71. The different was found to be statistically significant (p=0.001), showing a significant improvement in the knowledge score after administration of planned teaching program.

Tables and Figures

Table 1: Comparison of pre-test and post -test knowledge score

Knowledge Score	No.	Mean ± SD	"t" value	P value
Pre-test Score	30	10.40 ± 1.94	-25.854, df=29	0.0001*
Post -test Score	30	19.33 + 0.71		



Fig 1: Comparison of pre-test and post -test knowledge score

The data presented in this Table No 03. fig. no.12 clearly indicates the mean pre-test knowledge score was 10.40 ± 1.94 and mean post-test knowledge score was 19.33 ± 0.71 . The different was found to be statistically significant (p=0.001), showing a significant improvement in the knowledge score after administration of planned teaching program.

Equations Mean Formula

$$\overline{X} = \frac{\sum X}{n}$$

Standard deviation

Formula

$$\sigma = \sqrt{\frac{\sum (x - \mu)^2}{n}}$$

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Paired t-test Formula

$$T = \frac{\overline{X} - \overline{Y}}{S_d / \sqrt{n}}$$

Unpaired t-test

$$s^{2} = \frac{\Sigma(X_{1}^{2}) - \frac{(\Sigma_{X_{1}})^{2}}{n_{1}} + \Sigma(X_{2}^{2}) - \frac{(\Sigma_{X_{2}})^{2}}{n_{2}}}{n_{1} + n_{2} - 2} \qquad t = \frac{\overline{X_{1}} - \overline{X_{2}}}{\sqrt{\frac{S_{1}^{2}}{n_{1}} + \frac{S_{2}^{2}}{n_{2}}}}$$

Conclusions

After the detailed study it was concluded that there is a significant difference in pre-test and post - test knowledge scores of the higher secondary school students after the administration of post-test as compare to the previous knowledge. The study also revealed out that there was a great difference between pre-test and post- test knowledge of the higher secondary school students Hence, it can be said that the planned teaching program is effective in improved the knowledge scores among higher secondary school students.

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Conflict of Interest

Not available

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References

- Dash Bijayalaskhmi Das. A Comprehensive Text Book of Community health Nursing First Edition Published by Jaypee Brothers Medical Publishers (p) Ltd; c2017. p. 19.
- Jaypee Kamalams. Essentials in Community Health Nursing Practice Second Edition Second Published By Jaypee Brothers Medical Publishers (P) Ltd; c2012. p. 122.
- Park K. Preventive and Social Medicine. 21st Edition.M/S Banarsidas Bhanot. Jabalpur; c2011. p. 610.
- Selvi M, Bhagyalaxmi NG, Vkiran GV, Samthosh TN. Mastering Community Health Nursing. 1st Edition. Emmess. Bangalore; c2013. p. 19, 323.
- Swarnkar's Community health nursing. 3rd Edition. N.R Brother. Indore; c2015. p. 550.
- 6. Gulani KK. Community Health Nursing (Principle and

practices) 2nd Edition. Neelam Kumari. Delhi; c2017. p. 470

Journals

- 7. Zoonotic diseases of Public Health Importance, National Institute of Communicable Diseases, Delhi; c2007. p. 140.
- 8. WHO Expert Consultation on Rabies. Second report. World Health Organization World Health Organ Tech Rep Ser. 2013;(982):1-1396.
- 9. WHO. Rabies vaccines position paper. WHO. World Health Organization [Internet]; 2010. [Accessed 12/10/2016]

http://www.who.int/entity/wer/2010/wer8532.pdf. National Guidelines for Rabies Prophylaxis and Intradermal administration of cell culture rabies vaccines, National Institute of Communicable Disease, 2007, 17.

Internet Articles

- Ichhpujani RL, Bhardwaj M, Chhabra M, Datta KK. Rabies in humans in India.in: Dodet B. Meslin F.-X. Haseltine E. Proceedings of the fourth international symposium on rabies control in Asia 2001. Montrouge, John Libbey Eurotext, London; c2001. p. 212-213.
- Sudarshan MK, Mahendra BJ, Ashwath Narayana DH. Introducing intra-dermal rabies vaccination in India: rationale and action plan. Seventh National Conference on Rabies, 7–9 July 2005, Shimla, Himachal Pradesh, India.
- 12. Sudarshan MK, Mahendra BJ, Ashwath Narayana DH. Introducing intra-dermal rabies vaccination in India: rationale and action plan. Seventh National Conference on Rabies, 7–9 July 2005, Shimla, Himachal Pradesh, India.
- 13. World Health Organization. WHO Recommended Surveillance Standards.

http://www.who.int/csr/resources/publications/surveillance/WHO/CDS/CSR/I SR/99.2/EN/en/.

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