IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
Volume 3, Issue 2, April 2023
Impact Factor: 7.301

A Study to Assess the Effectiveness of STP Regarding Knowledge of Preventive Measures on COPD Among Old Age People in Selected Village Rohtas Bihar

Sudha Patel[1], Sudhanshu Kumar[2], Sudhir Kumar[3], Dipu Kumar[4]
B.Sc. Nursing 4th year Intern Students[1,2,3]
Tutor, MSN Department[4]
Narayan Nursing College, Gopal Narayan Singh University, Sasaram, India

Abstract: *INTRODUCTION: COPD is a chronic airway limited disease as characterized by chronic obstruction of lung airflow that interferes with normal breathing and is not fully reversible. The more familiar terms 'chronic bronchitis' and 'emphysema' are no longer used, but are now included within the COPD diagnosis. COPD is not simply a "smoker's cough" but an under-diagnosed, life-threatening lung disease. According to WHO report that the 3.29 million of people suffer with the COPD death, in nearly 90% of COPD death in those under 70 years of age occur in developing countries. The most cause of COPD the including environmental exposure to tobacco, smoke, indoor air pollution and occupational dusts, fumes, and chemicals are important risk. The early is most common treatment of COPD economic preventable management is quite smoking, and is needed to slow the progression of symptoms.*
AIM: To assess the effectiveness of STP on knowledge of preventive measures on COPD among old age people.
METHODOLOGY: The pre-experimental one group pre-test and post-test design was conducted at Takiya, Sasaram, Rohtas, Bihar from 6/2/23 to 10/2/23. The conceptual framework utilized in this study was based on General System theory of "Ludwig von Bertalanffy". A self-structured questionnaire method was used to assess the pre-test level of knowledge of preventive measures on COPD among old age people in selected village Rohtas Bihar by adopting probability random sampling technique. Immediately after pre-test STP was implemented just after the implementation post-test was conducted by using same questionnaire method. The result was analyzed.
RESULTS: Before implementation of STP the knowledge level of old age people, (32) had poor knowledge, (28) had average knowledge and none of them had good knowledge of preventive measures on COPD among old age people in selected village Rohtas Bihar and the pre-test mean knowledge score was. After implementation of STP the knowledge level of old age people, none of them had poor knowledge, (31) had average level of knowledge and (29) had good knowledge of preventive measures on COPD among old age people in selected village Rohtas Bihar. The post-test mean score (14.72) of knowledge of preventive measures on COPD among old age people were comparatively more than their pre-test mean knowledge score (7.98). It confirms that, there was increase in knowledge of preventive measures on COPD among old age people after the administration of STP.
CONCLUSION: At last, as a researchers, we concluded that there is increase in knowledge of preventive measures on COPD among old age people after implementation of STP and there is no association between variable and sociodemographic variables.

Keywords: Effectiveness, STP, Knowledge, Old Age People, COPD.

IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
Volume 3, Issue 2, April 2023
Impact Factor: 7.301

REFERENCES

[1]. Nair Ravindran Ushsa (2009) chronic obstructive pulmonary disorder. Text Book of medical surgical nursing. 1st edition (518-21)

[2]. Richa Sharma, Dr. Parampal Kaur Cheema, Harpreet Kaur, A Pre-Experimental Study to Assess the Effectiveness of Structured Teaching Programme on Knowledge Regarding COPD and Pulmonary Rehabilitation among COPD Patients in Selected Hospitals of District Hoshiarpur, Punjab, Volume 10 Issue 11, November 2021, International Journal of Science and Research (IJSR), Assessing national capacity for the prevention and control of noncommunicable diseases: report of the 2019 global survey. Geneva: World Health Organization; 2020. Licence: CC BY-NC-SA 3.0 IGO.

[3]. Praveen S Patel, Prevention of lung cancer among cement factory employees. A study to Assess the Effectiveness of Structured Teaching Programme on Knowledge Regarding Prevention of Selected Respiratory Diseases among Cement Factory Workers Attending ESI Dispensary at Bagalkot, Karnataka International Journal of Nursing and Medical Science 2015:4(3); 401 – 410

[4]. WHO. [accessed Feb 14, 2015];The top 10 causes of death. 2014 May; http://www.who.int/mediacentre/factsheets/fs310/en/

[5]. Drummond MB, Buist AS, Crapo JD, Wise RA, Rennard SI. Chronic obstructive pulmonary disease: NHLBI workshop on the primary prevention of chronic lung diseases. Ann Am Thorac Soc. 2014;11(suppl 3):S154–60. [PMC free article] [PubMed] [Google Scholar]

[6]. Saeid Safiri, avad Ahmadian Heris, Burden of chronic obstructive pulmonary disease and its attributable risk factors in 204 countries and territories, 1990-2019: results from the Global Burden of Disease Study 2019, (Published 27 July 2022), https://www.bmj.com/content/378/bmj-2021-069679

[7]. C. Raherison, P-O Girodet, Epidemiology of COPD, European Respiratory Review 2009 18: 213-221, https://err.ersjournals.com/content/18/114/213

[8]. Debra Sullivan, Ph.D., MSN, R.N., CNE, COI — By Jen Thomas — Updated on Jul 2, 2020, https://www.healthline.com/health/copd/facts-statistics-infographic

[9]. Lebargy F, Occupational Risk Factors for COPD: A Case-Control Study, Plos one, 03 Aug 2016, 11(8):e0158719, Europe PMC, https://europepmc.org/article/MED/27487078

[10]. Langer Daniel (2019), , https://europepmc.org/article/MED/27487078

[11]. Craig P Hersh , John E Hokanson , David A Lynch , George R Washko Barry J Make James D Crapo , Edwin K Silverman ; COPDGene Investigators, Family history is a risk factor for COPD, 2011 Aug;140(2):343-350.doi: 10.1378/chest.10-2761. Epub 2011 Feb 10. National Library of Medicine, https://pubmed.ncbi.nlm.nih.gov/21310839/

[12]. Adiveppa. S. Padadali, A study to Assess the Effectiveness of Structured Teaching Programme on Knowledge Regarding Prevention of Selected Respiratory Diseases among Cement Factory WorkersAttending ESI Dispensary at Bagalkot, Karnataka, 2021,https://www.semanticscholar.org/paper/A-study-to-Assess-the-Effectiveness-of-Structured-Padadali/2df378b90a9dacbe0c7e50a07cb8becd1a4bac51

[13]. Angel M. S., A Study to assess the effectiveness of STP on prevention of exacerbation among COPD clients in selected super specialty hospital, Bangalore city, international journal of science and research (ijsr), volume 10 issue 11, november 2021, https://pubmed.ncbi.nlm.nih.gov/21310839/

[14]. Eswari S,Effectiveness of STP on pulmonary rehabilitation among patients with COPD,International journal of scientific research, https://journal.chestnet.org/article/S0012-3692(20)34927-8/fulltext

[15]. Lovekirat Singh1 , Dr. Priyanka Chaudhary2 , Mrs Raman Deep Kaur3, A Descriptive Study to Assess the Knowledge and Practices Regarding COPD Prevention and Management among Staff Nurses in Selected Hospital of District Patiala, International Journal of Trend in Scientific Research and Development (IJTSRD), Volume 5 Issue 6, September-October 2021 , https://www.ijtsrd.com/papers/ijtsrd47623.pdf

[16]. A.S. Reda,a quasi-experimental study of the effect of a comprehensive blended health educational program on self-management practices among patients with chronic obstructive pulmonary disease Heart Lung. 2022 Jul 25;56:133-141. Doi: 10.1016/j.hrtlng.2022.07.005. Online ahead of print.

IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
Volume 3, Issue 2, April 2023
Impact Factor: 7.301

[17]. Parag Rishipathak, Anand Hinduja, Shrimathy V., Navnita Sengupta, A Study to Assess the Knowledge, Attitude and Practice about Management of Acute Exacerbation of Chronic Obstructive Pulmonary Disease amongst EMS Professionals in Pune, India Vol. 14 No. 4 (2020), Indian Journal of Forensic Medicine & Toxicology https://medicopublication.com/index.php/ijfmt/article/view/12780

[18]. Patel Disha , Assessment of knowledge, attitude, and behavior about the disease process and physiotherapy management in patients with chronic obstructive pulmonary disease: A qualitative study J Educ Health Promot. 2019 Jan 29;8:15. doi: 10.4103/jehp.jehp_209_18. eCollection 2019.

[19]. Mayhob Mona Mohamed, Nurses' Knowledge, Practices and Barriers Affecting a Safe Administration of Oxygen Therapy, International Organization of Scientific Research, 2018, https://www.semanticscholar.org/paper/Nurses%27-Knowledge%2C-Practices-and-Barriers-Affecting-Mayhob/0fa914e0e15d2a6d55b2d235e383e85c88a3007a#:~:text=%22Oxygen%20therapy%20is%20like%20a%20two%20edged%20sword%22%2C,and%20barriers%20affecting%20asafe%20administration%20of%20oxygen%20therapy.

[20]. MahranGhada, Comparative Study Of Critical Nurses' Knowledge And Practice Before And After Education Program About Acute Exacerbation Of Chronic Obstructive Pulmonary Disease, IOSR Journal of Nursing and Health Science (IOSR-JNHS), Volume 7, Issue 2 Ver. VII (Mar-Apr .2018), PP 79-89, https://www.researchgate.net/publication/324656532_Comparative_Study_Of_Critical_Nurses%27_Knowledge_And_Practice_Before_And_After_Education_Program_About_Acute_Exacerbation_Of_Chronic_Obstructive_Pulmonary_Disease

[21]. Godoy iida de, A cross sectional study to evaluate the knowledge of nurses from the health care network of Botucatu, SP, Brazil, about COPD, 2017, National Library 0f Medicine, https://pubmed.ncbi.nlm.nih.gov/32658654/

[22]. Nair Ravindran Ushsa (2009) chronic obstructive pulmonary disorder. Text Book of medical surgical nursing. 1st edition (518-21)

[23]. Black. Joyce, Hawks Hokanson jane (2009) Chronic Obstructive Pulmonary Disorder Blacks Medical Surgical Nursing 8th edition (1587-1590)

[24]. Chugh SN (2009) Chronic Obstructive Pulmonary Disease, Medicine for nurses 1st edition (147-149)

[25]. Correia cecy (2017) Chronic Obstructive Pulmonary Disease, Medical surgical nursing systemic disease.1st edition (138-139)

[26]. Basavanthappa BT (2011) Chronic Obstructive Pulmonary Disease, essential of Medical surgical nursing 1st edition (59-60)

[27]. DEVI Sanatombi Elsa, Chintamani, (2011) Chronic Obstructive Pulmonary Disease, MOROWEY'S SURGERY FOR NURSES,7th edition, (111-125)

[28]. M Bhat Sriram (2006) Chronic Obstructive Pulmonary Disease, SRB'S, Surgery For nurses, 1st edition (34-40)

[29]. Ansari Javed, Kaur Davinder (2017) Chronic Obstructive Pulmonary Disease textbook of medical surgical nursing-1st edition (354-366)

[30]. Panwar P K (2018) Chronic Obstructive Pulmonary Disease, Medical surgical nursing 5th edition (45- 46)

[31]. Madhavi S, Sharma K, Suresh K (2000) Chronic Obstructive Pulmonary Disease, Brunner and Suddarth's Textbook of Medical Surgical Nursing, South Asian edition, Volume 1st (433-468)