ISSN- O: 2458 - 868X, ISSN–P: 2458 – 8687
Index Copernicus Value: 49. 23

International Journal of Medical Science and Innovative Research (IJMSIR)
IJMSIR : A Medical Publication Hub
Available Online at: www.ijmsir.com
Volume – 3, Issue –2, April - 2018, Page No. : 201 - 204

Knowledge, Attitude and Practices related to cervical cancer among women:- Gynecology department of SMS Medical College Jaipur

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Type of Publication: Original Research Paper

Conflicts of Interest: Nil

Abstract

Background: Cervical cancer is most comman cancer among in indian women. women reported barriers to screening includes lack of awareness of risk factors, symptoms & prevention and stigma n misconception about gynecological disease and lack of national cervical cancer screening guideline

Material and methods: A facility based cross sectional study was done 500 women of reproductive age group (15-45 years) who present to out-patient department in gynecology department, SMS Medical College Jaipur

Results: A total of 500 women are approached for interview, in which 405(91.00%) had not heard about cervical cancer, only 9.00% women had knowledge about cervical cancer. About 82.40% women had positive attitude about cervical cancer screening & it's vaccine.

Conclusions: Women need more information about cervical cancer risk factors, symptoms and screening program. The universal literacy program in the country has helped to improve the knowledge of cervical cancer prevention and reduce the exposure to various risk factors in the younger populations

Keywords: Cervical cancer, awareness, screening, pap smear, cervical cancer vaccine

Introduction

Cervical cancer is most common cancer in indian women and second most common cancer among women worldwide , with an 4,93,000 New case and 2,74,000 deaths annually . About 83% cases occur in developing countries. The most frequent cancer among women between 15-45 years of age with age specific incidence rate of 34 per 100,000[1].

Based on experience of the countries with mass screening programs , International Agency of Research on Cancer(IARC) reported 93% reduction In cervical cancer incidence were screened at 1 to 3 yearly,84% reduction when screened 5 yearly and 64 % reduction when screened 10 yearly.[2]

HPV is primary etiologic agent of cervical cancer out of over 100 types of HPV, High risk types HPV-16,18,31,45 accounts for more than 90% of cervical cancer[3]. Two viral oncoproteins E6 and E7 of HPV 16 and HPV 18 are responsible for viral oncogenesis by destabilizing two major cellular tumor suppressers P^{53} and P^{rb} respectively ; as a consequence ,host cell accumulates more and more genetic(DNA)damage that cannot be repaired leading to transformed cancerous cells[4] .

Kwown predisposing factors for cervical cancer include early age at first sexual intercourse, multiple sexual partners, smoking and women are immunosuppressed[5].

Primary prevention of cervical cancer aims at reducing the incidence of cervical cancer by controlling the cause and risk factors.The largest gain in reducing cervical cancer incidence and mortility by PAP Smear screening as a gold standard method of cervical cancer screening.Vaccine against some HPV provide effective protection.

Material and Methods

Study Design: Cross sectional study-hospital based

Study Population: Women reproductive age group (15 - 45 years)

Study Period: Jan. to Nov. 2017

Study Participants: The source population was all child bearing women whose age ranged from 15 to 45 years. The study population was WCBA (15–45 years) who had the chance of being randomly selected from the source population at a hospital level. We excluded women who had any serious illness during data collection and who are less than 18 years from the study.

Data Collection: Pretested structured questionnaire was used to collect data from each study subject. The questionnaire was adapted from related literatures [6]with slight modification in line with the objectives of this particular study and to fit to the local context. Data collection was conducted through face to face interview. The questionnaire was completed after obtaining verbal consent from the participants. The completed questionnaires were collected on a daily bases to check for its consistency and completeness.

Operational Definations

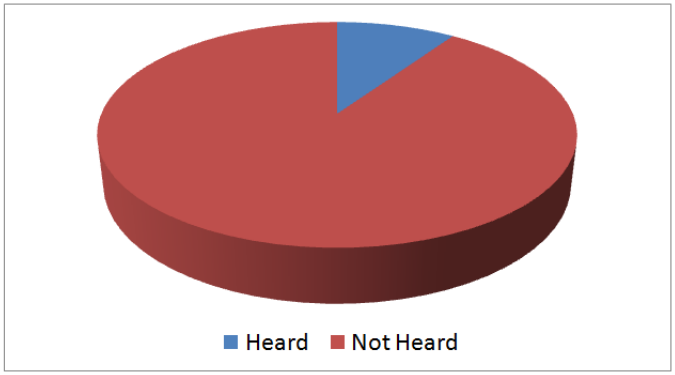
Knowledge: The understanding of respondents have about cervical cancer with respect to sympoms,risk factors,prevention and screening method

Attitude: The belief and feeling of the respondent about screening for premalignant cervical lesions,

Practice: The action taken by individual respondent to go for screening vaccine.

Data Analysis: After entering data into Excel worksheet, it was analyzed with the help of frequency, proportion, mean, standard deviation and tests of significance wherever applicable. Chi-square test was used for p-value calculation. If p-value <0.05 was significant and >0.05 was non-significant.

Observations



Fiq.1. Knowledge about cervical cancer

Most of women 405(91%) was not heard about cervical cancer, only 95 (9%) women had knowledge about cervical cancer.

Table no.1.Knowledge about Risk factors (n=95)

Risk factor	Respondent	Percentage
Family history	30	31.57%
Early stage coitus	18	18.94%
Multiple sex partner	27	28.42%
Smoking	16	16.84%
Cause by some infection	40	42.10%

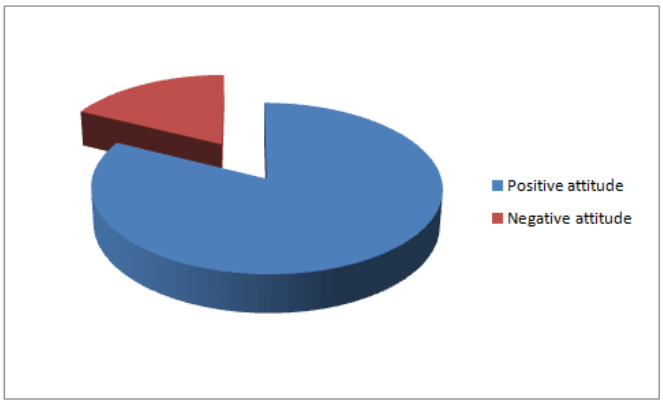
Out of 95 women who had knowledge about cervical cancer 42.10% women knew that infection is risk factor.

Table no.2.Knowledge about Symptoms (n=95)

Symptoms	Respondent	Percentage
Post coital bleeding	24	25.26%
Bleeding between menses	16	32.00%
Foul smelling vaginal discharge	34	68.00%

Out of 95 women who had knowledge about cervical cancer 68.00% women knew that foul smelling is risk symptoms.

Out of 95 women who had knowledge about cervical cancer majority of them heard form print media (22; 23.15%), television (4; 4.21%), medical personnel (18; 18.94%) and any other source (51; 53.68%).



Fiq.2.Attitude about Cervical Cancer

82.40% women had positive attitude and 17.60% women had negative attitude about cervical cancer screening & its vaccine.

Discussion

The present study explored the KAP among women who are attending obstetrics and gynecology department of tertiary care referral hospital. among 500 respondents, most of them were illiterate, farmers, homemakers, and low economic status group. It is not uncommon, even in the 21st century also, the era will continue to find young women with little formal education and no training who are homemakers with children.

The study found that more than three fourth of population never heard about cervical cancer which is similar with results of studies conducted in developing and underdeveloped countries by Anorlu and Yifru and Asheber.[7,8] However, these results are contrast with a study conducted by Chande HM *et al.*[9] show more than three-quarters of population are heard about cervical cancer.

In this study, Out of 95 women who had knowledge about cervical cancer majority of them heard form print media (22; 23.15%), television (4; 4.21%), medical personnel (18; 18.94%) and any other source (51; 53.68%). which are similar with findings of study conducted by Abdullahi *et al*.[10]

Out of 95 women who had knowledge about cervical cancer 42.10% women knew that infection is risk factor in our study. This is consistent with findings from a similar study conducted in Northern Uganda by Mukama *et al*.[11]

Still there is a lack of awareness about cervical cancer in women residing at rural area, where there is a need to conduct campaigns to improve their knowledge regarding symptoms, risk factors, and preventive measures. Women who are aware about cervical cancer they are more likely to take up measures of prevention by seeking medical attention and early screening[12].

In this study 82.40% women had positive attitude and 17.60% women had negative attitude about cervical cancer screening & it's vaccine. Some studies report that even providing of screening opportunities to women may not be utilized well due to some barriers such as fear of positive cervical cancer diagnosis, fear of cervical screening, and vaginal examination.[13] Continuous conducting of cervical cancer awareness program will bring change in the attitude and perception of women toward cervical cancer screening.

Conclusion

Women need more information about cervical cancer risk factors, symptoms and screening program. The universal literacy program in the country has helped to improve the knowledge of cervical cancer prevention and reduce the exposure to various risk factors in the younger populations.It's major needs to involve multimedia,print-media,medical persons even ASHA, Anganwadi workers,teachers for awareness about cervical cancer screening.

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