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Akash Keshav Chaurewar         M.B.B.S. III, Government Medical College Akola, Maharashtra, India.           Dr. Vijay Badge*         Assistant Professor, Community Medicine, Government Medical College, Akola, Maharashtra, India.*Corresponding Autor           Dr. Arun Humme         Professor & Head of Department, Community Medicine, Government Medical College, Akola, Maharashtra, India.           (i) Background- Cervical cancer is common cause of death from cancer among women in India and in almost all patients, human papilonawas (HPV) has been found. Various studies indicate that the knowledge levia about cervical cancer and HPV in the prevel population is low. It becomes manafactry to assess the knowledge of nursing staff acturities can. Pap smear and the knowledge attitude and practice reparting HPV vaccination and methods of prevention for cervical cancer convenients ampling was used with amplie size of 145. Datas o collected entered in Excel 2007 and open epi software version 2.0 was be used for tata anajstis.           (V) Results- Total 96.6% Respondents were completely unaware of the availability of vaccine for prevention of cervical cancer. Not assign respondent there were hare ner of any available cancer. About 72.4% respondents and on the found any area of the availability of vaccine for prevention of cervical cancer and older who area thigh risk of developing cervical. (V) Results- Total 96.6% Respondents were completely unaware of the availability of vaccine for prevention of cervical cancer and older who area thigh risk of developing cervical. (V) Results- Total 96.6% Respondents were completely unaware of the availability of vaccine for prevention of cervical cancer and older who area thigh risk of developing cervical cancer. Novel 72.4% respondents Unit prevention is more in touch word stabureervin and eachy reperimetaly. India has 14th of cerv	PARIPET RET	PRACTICES OF ERVICAL CANCER AT	<b>KEY WORDS:</b> Cervical Cancer, HPV, Pap smear, Knowledge	
Dr. Vijay Badge*         Assistant Professor, Community Medicine, Government Medical College, Akola, Maharashtra, India.*           Dr. Arun Humme         Professor & Head of Department, Community Medicine, Government Medical College, Akola, Maharashtra, India.*           Upper College, Akola, Maharashtra, India.         Professor & Head of Department, Community Medicine, Government Medical College, Akola, Maharashtra, India.*           Upper College, Akola, Maharashtra, India.*         Professor & Head of Department, Community Medicine, Government Medical College, Akola, Maharashtra, India.*           Upper College, Akola, Maharashtra, India.*         Opper College, Akola, Maharashtra, India.*           Upper College, Akola, Maharashtra, India.*         Opper College, Akola, Maharashtra, India.*           Upper College, Akola, Maharashtra, India.*         Opper College, Akola, Maharashtra, India.*           Upper College, Akola, Maharashtra, India.*         Opper College, Akola, Maharashtra, India.*           Upper College, Akola, Maharashtra, India.*         Opper College, Akola, Maharashtra, India.*           Upper College, Akola, Maharashtra, India.*         Oursing staff Auot cricial cancer and the Nowledge attitude and practice revical cancer and the Nowledge attitude and practice of nursing staff about cricial cancer and the Nowledge attitude and practice of nursing staff about cricial cancer and the Nowledge attitude and practice of nursing staff about cricial cancer and staff about cricial cancer and the Nowledge reparation of the Nowledge attitude and practice of nursing staff about cricial cancer and streem mathod is an esponder attitude and practice of nursin	Akash Keshav Chaurewar	M.B.B.S. III, Government Me	dical College Akola, Mal	harashtra, India.
Dr. Arun Humme         Professor & Head of Department, Community Medicine, Government Medical College, Akola, Maharashtra, India.           (i) Background-Cervical cancer is common cause of death from cancer among women in India and in almost all patients, human general population is low. It becomes mandatory to assess the knowledge of nursing staff regarding cervical cancer and HPV in the semile back staff is a staff about risk factors of cervical cancer and the knowledge attitude and practice regarding HPV vaccination and methods of prevention for cervical cancer. (iii) Methods- This questionnaire based cross-sectional study was conducted among the nursing staff at tertary care centre. Convenients ampling was used with sample is zel 145. Data so collected entered in Excel 2007 and open epi software version 2. (iv) Respondents were completely unaware of the availability of vaccine for prevention of cervical cancer. Not a single respondent knew the name of any available vaccine. About 72.4% respondents had not undergone a Pag smear screening in theri II featment may care and hard worker were completely unaware of the availability of vaccine for prevention of cervical cancer. Not a single respondent knew the name of any available vaccine. About 72.4% respondents had not undergone a Pag smear screening in the II featment may creating awareness about cervical cancer and its prevention is low in general public.           I. Mota has a population of 436.76 million woman - physically, psychologically, socially and financially. India has 144 bout referent scale 200 over 1 jakh Indian women. "If this condution remains same up to 200 over 1 jakh Indian women are newly diagnosed with carcer of the varial taxers." Interviewer Method is a reasonated with 82.7% carcer of the early attage at a more in tudie target and more regorductive health care provide carcer." Narsing staff wouts and thereas a compared to the healt ta cervical cancer Maya	Dr. Vijay Badge*	Assistant Professor, Commu Maharashtra, India.*Corresp	unity Medicine, Govern ponding Author	ment Medical College, Akola,
<ul> <li>(i) Background- Cevical cancer is common cause of death from cancer among women in India and in almost all patients, human papillomavirus (HPV) has been found. Various studies indicate that the knowledge level about cervical cancer and the W- with the seminations of that these will be acta spillar of awareness program regarding cervical a.</li> <li>(ii) Objective - This study was conducted with objectives to assess the knowledge of nursing staff about risk factors of cervical cancer.</li> <li>(iii) Objective - This study was conducted with objective to assess the knowledge of nursing staff about risk factors of cervical cancer.</li> <li>(iii) Methods- This questionnaire based cross-sectional study was conducted among the nursing staff at tertiary care centre. Convenient sampling was used with sample size of 145. Data so collected entered in Excel 2007 and open episoftware version 2.0</li> <li>(iv) Results- Total 96.6% Respondents were completely unaware of the availability of vaccine for prevention of cervical cancer.</li> <li>(v) Interpretation &amp; conclusions- The nursing staff about and pen episoftware version 2.0</li> <li>(v) Interpretation &amp; conclusions- The nursing staff abould be targeted first for successful implementation of cervical ascreening program and subsequently they can play important role in creating awareness among other health care providers and even in general public.</li> <li>ALINTRODUCTION:</li> <li>Cervical cancer afflicts Indian woman - physically, psychologically, socially and financially. India has 14Mb ascreated the availability of vaccines and prevention of cervical ascreening program and subsequently they can play important role in creating awareness about cervical cancer and the prevention of cervical ascreening in their life time and major reason was, they didn't consider its important.</li> <li>(V) Interpretation &amp; Ad3-6.76 million woman - physically, psychologically, socially and financially. India has 14Mb ascreenits about cervica</li></ul>	Dr. Arun Humne	Professor & Head of Depa College, Akola, Maharashtra	rtment, Community M ı, India.	edicine, Government Medical
<ul> <li>A.INTRODUCTION:-         <ul> <li>Cervical cancer afflicts Indian woman - physically, psychologically, socially and financially. India has 1/4th of world's burden of this disease.</li> <li>India has a population of 436.76 million women aged 15 years and older who are a thigh risk of developing cervical cancer". Yearly 1, 34,420 Indian women are newly diagnosed with cancer of the cervix and each year the disease kills an estimated 72,825 Indian women. <sup>III</sup> If this condition remains same up to 2020 over 1 lakh Indian woman will succumb to the disease each year.<sup>III</sup></li> <li>Human Papilloma virus (HPV) infection is seen in about 70% of cervical cancers<sup>III</sup>. Ptvs 16 or 18 are associated with 82.7% cases of invasive cervical cancers<sup>III</sup>.</li> <li>More than 80% of early asymptomatic cases of Cervical Intraepithelial Neoplasia (CIN) can be detected pre-clinically various examinations such as, Papanicolaou smear (Pap smear, which is a primary diagnostic tool for cervical cancer, cold construction with Acid VIA) which is the recent method " see and treat" (Black and Hawks, 2005).</li> <li>The differences observed between developed and developing countries with respect to mortality due to cervical cancer may be attributed directly to the frequency as well as acceptance of the Pap test. Various studies show a positive correlation between reduced mortality and Pa testing.<sup>104</sup></li> <li>Study subject: - A tertiary care hospital.</li> <li>Study Period: - 2 months (10<sup>®</sup> August 2017 to 10<sup>®</sup> October 2017).</li> <li>The WHO estimates that a one-time screening among women around the age of 40 could reduce the chance of fatality due to cervical cancer with developing or due of the cervical scare screening and y due to cervical cancer with eage of 40 could reduce the chance of fatality due to cervical cancer by 2-30% if adequately followed up. Since cervical cancer with devere balve, with the service balow, with the seread eager and t</li></ul></li></ul>	<ul> <li>(I) Background- Cervical papillomavirus (HPV) has general population is low HPV vaccination so that the (II) Objective- This study cancer and the knowledg (III) Methods- This ques Convenient sampling was was be used for data anal (IV) Results- Total 96.69 Not a single respondent screening in their life time (V) Interpretation &amp; con program and subsequent general public</li> </ul>	I cancer is common cause of death fr been found. Various studies indica 7. It becomes mandatory to assess th hese will be act as pillar of awareness 7 was conducted with objectives to 8 attitude and practice regarding HP stionnaire based cross-sectional stud 6 sused with sample size of 145. Data ysis. 6 Respondents were completely una knew the name of any available va e and major reason was, they didn't c <b>nclusions-</b> The nursing staff should tly they can play important role in c	om cancer among women in I ate that the knowledge level he knowledge of nursing staff program regarding cervical ca assess the knowledge, of nurs V vaccination and methods of dy was conducted among the so collected entered in Excel 2 aware of the availability of vac ccine. About 72.4% respond onsider it is important. be targeted first for successfu reating awareness among ot	ndia and in almost all patients, human about cervical cancer and HPV in the f regarding cervical ca, Pap smear and a. sing staff about risk factors of cervical prevention for cervical cancer. e nursing staff at tertiary care centre. 007 and open epi software version 2.0 scine for prevention of cervical cancer. ents had not undergone a Pap smear l implementation of cervical screening her health care providers and even in
<ul> <li>Despite the high prevalence rate of cervical cancer in</li> <li>Despite the high prevalence rate of cervical cancer in</li> </ul>	<ul> <li>Cervical cancer afflicts psychologically, socially and world's burden of this disease</li> <li>India has a population of 436 and older who are at high ris Yearly 1, 34,420 Indian wor cancer of the cervix and each 72,825 Indian women. <sup>[11</sup> If th 2020 over 1 lakh Indian wor each year.<sup>[11]</sup></li> <li>Human Papilloma virus (HPV) cervical cancers <sup>[21]</sup>. HPVs 16 cases of invasive cervical cancers and most common proced cervical areas of concern ar Acid (VIA) which is the recen and Hawks,2005).</li> <li>The differences observed bet countries with respect to mobe attributed directly to the fit the Pap test. Various studies whom reducing mortality<sup>[5-8]</sup>.</li> <li>The WHO estimates that a or around the age of 40 could recervical cancer by 25-30% i cervical cancer prevention-W</li> <li>Despite the high prevaler</li> </ul>	Indian woman - physically, I financially. India has 1/4th of 2. .76 million women aged 15 years k of developing cervical cancer <sup>[1]</sup> . men are newly diagnosed with year the disease kills an estimated his condition remains same up to man will succumb to the disease infection is seen in about 70% of or 18 are associated with 82.7% ers <sup>[2]</sup> . asymptomatic cases of Cervical ) can be detected pre-clinically by ; Papanicolaou smear (Pap smear) tic tool for cervical cancer, cold by collecting a biopsy, Loop edure (LEEP) which is the newest ure performed by excising the nd Visual Inspection with Acetic t method " see and treat" (Black ween developed and developing rtality due to cervical cancer may requency as well as acceptance of ies show a positive correlation nd Pap testing. <sup>[3,4]</sup> near screening programmes for the effectiveness of screening in ethere screening among women duce the chance of fatality due to f adequately followed up. Since gresses slowly, this once-in-a- prevent abnormal cells from alth Organization- Alliance of VHO-ACCP, 2009). the rate of cervical cancer in	<ul> <li>test, awareness about of in developing countriess with the patients a professionals can creat But before that know complete among nursir to general public must becomes necessary to practise of nursing stascreening and HPV vace delves into the reproduct delves into the reproduct delves into the reproduct and HPV vaccination.</li> <li>To assess the knowledge attitude an HPV vaccination.</li> <li>Knowledge attitude an HPV vaccination.</li> <li>Knowledge attitude an Pap smear.</li> <li>C. Materials &amp; Method.</li> <li>Study subject: - Female</li> <li>Sampling: - Non-Proba Enumeration).</li> <li>Sample size: - Out of to care hospital., 145 nursing from job, sick leaves, wen work)</li> <li>Study site: - A tertiary ca 6. Study Period: - 2 mont 2017).</li> <li>Inclusion Criteria: - All F</li> <li>Exclusion Criterion: pathology as they are alrea?</li> <li>Study Instrument: A prepared. The questionnair Department of obstetrics interviewed using this se collected was entered in Exclusion Exclusion for the formation and the prepared. The questionnair pathology as they are alrea?</li> </ul>	<ul> <li><sup>[20]</sup> Nursing staff who is more in touch is low is compared to other health care te a great awareness among patients. vledge regarding the same must being staff so that knowledge propagated be clear and without any ambiguity. It is assess the knowledge attitude and aff about cervical cancer, Pap smear cination. This study is crucial because it ctive health of women.</li> <li>ge of nursing staff about risk factors of and practice of nursing staff regarding the participated (observational study). nursing staff.</li> <li>bility Convenient Sampling (Complete tal 155 nursing staff working at tertiary staff participated (Rest 10 were absent t for training and some were busy in the hospital.</li> <li>hs (10<sup>th</sup> August 2017 to 10<sup>th</sup> October female nursing staff.</li> <li>Nursing staff.</li> <li>Nursing staff.</li> <li>Suff and some were busy in the obspital.</li> <li>hs (10<sup>th</sup> August 2017 to 10<sup>th</sup> October female nursing staff.</li> <li>Nursing staff.</li> <li>Nursing staff.</li> <li>Nursing staff having any uterine ady cautious.</li> <li>Semi structured questionnaire was ewas validated by a group of experts of and gynaecology. Nursing staff was mi-structured questionnaire. Data so cel 2007 and open epi software version</li> </ul>

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## 10. Ethical Consideration: -

Informed consent from every participant was obtained. They were briefed that their participation was voluntary and had full right to withdraw from the study at any time. Ethical clearance was obtained from institutional ethical committee. Data so collected was handled with strict confidentiality.

**Results:** - Responses of 145 female nurses were recorded and analysed.

Table no. 1: - Distribution of	Socio-Demographic Variables
among nursing staff	

Variab	les	Frequency Percentag	
Age in years	21-30	44	30.3
	31-40	21	14.5
	41-50	25	17.2
	51-60	55	37.9
Religion	BUDDHIST	20	13.8
	CHRISTIAN	16	11.0
	HINDU	97	66.9
	MUSLIM	12	8.3
Marital status	MARRIED	132	91.0
	SINGLE	13	8.9
Education	DEGREE	24	16.6
	DIPLOMA	117	80.7
	PG	4	2.8
Family size	1 to 3	52	35.8
	4 to 6	89	61.4
	>6	4	2.8
Family Type	JOINT	44	30.3
	NUCLEAR	98	67.6
	THREE	3	2.1
	GENERATION		
Age at	15-20	10	6.9
marriage(Years)	21-25	70	48.3
	26-30	44	30.3
	>30	8	5.5
	Single	13	8.9
Menstrual cycle	Regular	130	89.7
	Irregular	15	10.3
Menopause	Attained	64	44.1
	Not-attained	81	55.9

 The mean age of the participants is 41.82 ±11.88 years. Majority of women (91%) were married. Maximum were Hindu (69.9%), followed by Buddhist (13.8%). Fifty five percent were married before the age of 25.

#### Knowledge

- One fifth (21.4%) of nursing staff said that cervical cancer cannot present with symptoms at the early stage and cannot be detected at early stage. About 74.5% of nursing staff believed that cervical cancer can be prevented.
- About 53.1% respondent don't think that having intercourse at an early (<16yrs) age is a risk factor for cervical cancer. Having multiple partners for sexual activity or having sex with a person having multiple partners was not perceived as a risk factor by almost two fifth of nursing staff.
- Bleeding per vagina is the commonest symptom mentioned followed by uterine discharge & abdominal pain. Only 16.6% respondent found post coital pain as a symptom of cervical cancer.
- Principle cause of cervical cancer was known to only 15.2% respondents.
- Majority of respondent, 96.6%, were completely unaware of the availability of vaccine for prevention of cervical cancer. Not a single respondent knew the name of any available vaccine. About 68% of nursing staff didn't take HPV vaccination considering it is unnecessary.
- About 82.8% of nursing staff were aware about availability of Pap smear for the early detection of cervical cancer.
- Majority of respondents think that Pap test should not be done without any signs and symptoms of cervical cancer.

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able no. 2.1: - knowledge about cervical cancer،								
Variables	YE	S	N	С	DON	'T		
	FREQ	%	FREQ	%	FREQ	%		
Can cervical cancer present without symptoms in early stage?	99	68.3	31	21.4	15	10.3		
ls it possible to detect it in early stage?	104	71.7	31	21.4	10	6.9		
Is it preventable?	108	74.5	18	12.4	19	13.1		
ls cervical cancer curable?	91	62.8	30	20.7	24	16.6		

### Fig. 1: - knowledge about cervical cancer-symptoms



Tal	bl	e no. 2.2: -	knowle	edge al	bout cervi	ical cance	r-ris	k 1	actors

RISK FACTORS	YI	ES	NC	NO DON'T KNOV		
	FREQ	%	FREQ	%	FREQ	%
Being over 50 years	115	79.3	23	15.9	7	4.8
Having intercourse at an early (<16yrs) age	44	30.3	77	53.1	24	16.6
Infection with strains of Human Papilloma virus	64	44.1	29	20	52	35.9
Having multiple sexual partners	71	48.9	61	42.1	13	8.9
Having sexual activity with a man who has had multiple partners	55	37.9	58	40	32	22.1
Having frequent sexual activity with the same man	34	23.4	72	49.7	39	26.9
History of a sexually transmitted disease	104	71.7	32	22.1	9	6.2
Having several miscarriages	93	64.1	37	25.5	15	10.3
Giving birth to many children	61	42.1	62	42.8	22	15.2
Smoking	62	42.8	65	44.8	18	12.4
Family history of cervical cancer	87	60	54	37.2	4	2.8
Use of oral contraceptive	53	36.6	74	51.0	18	12.4
Intrauterine device (IUD) use	62	42.8	62	42.8	21	14.5

## Table no. 2.3: - knowledge about principle cause of cervical cancer

Variables	Don't know	Bacteria	Fungus	Virus	Parasite	Genetic
Frequency	87	29	4	22	0	3
Percentage	60	20	2.8	15.2	0	2.1

### Table no. 3: - - knowledge regarding HPV vaccination

Variables	YES NO		0	
	FREQ	%	FREQ	%
Is there any vaccine available for prevention of cervical cancer?	5	3.4	140	96.6

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Can you mention the names of available	0	0	145	100
vaccines?				
Do you know the schedule of HPV	2	1.4	143	98.6
vaccination?				
Would you take HPV Vaccination?	113	77.9	32	22.1
Would you advise women to get vaccinated against HPV?	137	94.5	8	5.5

#### Table no. 4: - - knowledge about Screening techniques

Knowledge about Screening Techniques of Cervical Cancer	Number Respondents familiar with technique	%
Pap smear	120	82.8
Colposcopy	10	6.9
Visual inspection with acetic acid (VIA)	5	3.4
Testing for HPV	2	14

### Fig. 2:- Source of information (%)



### Fig 3:- Reasons for not doing Pap smear (%)



## Table no. 5: - Perceived Risk of Cervical Cancer

Category	Frequency	Percentage
High	3	2.1
Moderate	18	12.4
Low	15	10.3
Very Low	34	23.4
No	75	51.7

#### Table no. 6: - Attitude & Practice toward screening

			-				
Questions related to	YES		NO		Don't Know		
Attitude	FREQ	%	FREQ	%	FREQ	%	
Do you think all women should undergo screening for cervical cancer?	122	84.1	22	15.2	1	0.7	
Would you advice you patient to undergo pap test?	126	86.9	16	11.0	3	2.1	
In future would you like to undergo pap smear test?	109	75.2	34	23.4	2	1.4	
Have you ever got Pap test done in your life time as screening procedure?	40	27.6	105	72.4	0	0	

Table no 5 & 6 shows that about 51.7% of the nursing staff perceived themselves not at risk of developing cervical cancer. About 86.9% respondents were willing to advice their patients for Pap test. About 23.4% respondents were not willing to do Pap test in future. About 84.1% respondents believed that all women should undergo screening for cervical cancer but only 27.6% personally went through it after recommended by gynaecologist.

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About 72.4% respondents had not undergone a Pap smear screening voluntarily in their life time. The reason for it was they never considered it important.

### D. DISCUSSION

- The respondents had mean age 41.42±11 years. About 18.6% respondents were unaware of signs and symptoms of cervical cancer.
- In the present study only 19% mentioned abnormal vaginal discharge as symptoms of cervical cancer, while in a study by Nganwai et al [11], 92.4% knew that abnormal leucorrhoea or blood-stained vaginal discharge are the symptoms of cervical ca..
- In a study by Anya et al. [12] 80.6 percent female health personnel's knew that vaginal bleeding is associated with cervical ca. on the other hand in present study Only 55.86% of respondents knew that bleeding per vagina is one of the symptoms of cervical cancer. It may be due to only nursing staff was included in present study and not the other health professionals like doctors, pharmacist and laboratory technicians.
- In our study 71% stated that multiple sexual partners as one of the risk factors, while in a study of Ali et al [13], only 45% participants mentioned mul tiple partners and other promiscuous behaviour as the most common risk factor..
- n the present study, knowledge regarding Pap test was present in 82.8% of respondents. Similar findings (83%) were documented in a study carried out by Mutyaba et al [14].
- In study of Awodele et al [15], 92% of the respondents were aware of the causative organism of cervical cancer (human papillomavirus) but in our study majority of the respondents had no knowledge of principle cause of cervical cancer (87%). Our nursing staff found to have very poor knowledge about human Papilloma virus (HPV). About 29% believed that cervical cancer is a bacterial infection. Their major sources of information were through electronic media and health professionals. This finding is consistent with our study.
- Similar studies done by different authors further strengthen the fact that though nursing staff identify certain aspects of cervical cancer, they don't have proper and complete knowledge of it. Being nursing personnel, complete knowledge of preventable diseases like cervical cancer is expected from them. [14,16-18]
- V. V. Anantharaman, S. Sudharshini, A. Chitra[19],according to their study, About 80.4% felt that they should undergo cervical cancer screening for themselves. But only 18.4% of the female HCPs have ever undergone cervical cancer screening. In our study about 84.1% respondents believed that all women should undergo screening for cervical cancer but only 27.6% personally went through it after recommended by gynaecologist.
- In present study about 51.7% of the nursing staff perceived themselves not at risk 23.4% at a very low risk of developing cervical cancer which is found consistent with results of study conducted by Nganwai et al [11] which stated that regarding attitudes toward the risk of cervical cancer, 6% thought that they had no risk, 48.1% a low risk, 24.8% a moderate risk and 4.5% a high risk.
- Ragin CC et al [21] conducted similar study in general population which mentioned that Eighty-seven percent (87%) of participants had heard of the HPV vaccine. In present study 96.6% of nursing staff didn't know about HPV Vaccine. It is due to nil importance given to HPV vaccination and poor awareness activities.

## E. CONCLUSION

# From this study, we can conclude that: -

- Almost all the nursing staff has a poor to moderate level of knowledge regarding cervical cancer but there are still some major deficits. The levels of knowledge and understanding of cervical cancer as well as its preventable nature should be improved. Educational pamphlets, notices and hospital announcements would be useful in increasing their knowledge.
- Major misconception is found regarding causative organism

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- for cervical cancer. Our data also establishes the fact that knowledge about HPV vaccination is fairly lacking in nursing staff. Not a single respondent knew the names of available vaccines for prevention of cervical cancer. But after knowing about it, majority of respondents were willing to take it and ready to recommend to their patients.
- We found gap between knowledge and practice of nursing staff regarding screening for cervical cancer. About 84.1% believed that all women should undergo screening for cervical cancer but only 27.6% respondent had undergone Pap test after recommendation from gynaecologist. About 72.4% respondents had never undergone Pap test. Misconceptions regarding screening need to be urgently addressed among the nursing staff.
- Thus, it is found in study that seminars and training should be organised periodically for nursing staff to make them more competent in delivering health services regarding cervical cancer
- The nursing staff should be targeted first by education for successful implementation of cervical screening program and they can play important role in creating awareness in society.

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#### REFERENCES

- Ferlay J, Shin 1. HR, Bray F, Forman D, Mathers C, Parkin DM. GLOBOCAN 2008 v1.2, Cancer Incidence and Mortality Worldwide: IARC CancerBase No. 10 [Internet]. Lyon, France: International Agency for Research on Cancer; 2010. Available from: http://globocan.iarc.fr, (accessed on September 11, 2017). WHO/ICO Information Centre on HPV and Cervical cancer. Summary report on HPV
- 2. and cervical cancer statistics in India 2007 3
- Gamarra CJ, Valente JG, Silva GA. Correction for reported cervical cancer mortality data in Brazil, 1996-2005. Rev Saude Publica 2010;44:629-38 Al Sairafi M, Mohamed FA. Knowledge, attitudes, and practice related to cervical 4
- cancer screening among Kuwaiti women. Med Princ Pract 2009;18:35-42 Bergstrom R, Sparen P, Adami HO. Trends in cancer of the cervix uteri in Sweden 5
- following cytological screening. British Journal of Cancer, 1999, 81(1):159–166 6. Mahlck CG, Jonsson H, Lenner P. Pap smear screening and changes in cervical
- cancer mortality in Sweden. International Journal of Gynaecology and Obstetrics, 1994, 44:267-272 7.
- Morris M et al. cervical intraepithelial neoplasia and cervical cancer. Obstetrics & Gynecology Clinics of North America, 1996, 23:347–410 Elovainio L, Nieminen P, Miller AB. Impact of cancer screening on women's health. 8
- International Journal of Gynaecology and Obstetrics, 1997, 58(1):137–147
- 9 Times of India report on 17/1/2017; 07:08pm by Chetna Chaudhary of programme held at Gurugram
- 10. SchilerJT, FrazerIH, Lowy DR.HPV Vaccine. In: PlotkinSA, OrensteinWA, editors.
- Vaccine. 5TH ed. Philadelphia: Saunders; 2008.pp.2431-57 Nganwai P, Truadpon P, Inpa C, Sangpetngam B, Mekjarasnapa M et al (2008) Knowledge, attitudes and practices vis-a-vis cervical cancer among registered 11 nurses at the Faculty of Medicine, Khon Kaen University, Thailand Asian Pac J Cancer Prev 9 15–18
- Anya SE, Oshi DC, Nwosu SO et al. Knowledge, attitude and practice of female 12. health professionals regarding cervical cancer and Pap smear Niger J Med; 2005, 14: 283-6
- 13 Ali SF, Avub S, Manzoor NF, Azim S, Afif M et al (2010) Knowledge and awareness about cervical cancer and its prevention amongst interns and nursing staff in tertiary care hospitals in Karachi, Pakistan PLoS ONE 5(6) e11059.
- Mutyaba T, Mmiro FA, Weiderpass E. Knowledge, Attitude and Practices on 14 Cervical Cancer Screening among Medical Workers of Mulago, Hospital, Uganda. BMC Med Edu.2006;6:13
- Awodele O, Adeyomoye AA, Awodele DF, Kwashi V, Awodele IO, Dolapo DC. A 15. study on cervical cancer screening amongst nurses in Lagos University Teaching Hospital
- Oyedunni SA, Opemipo OM. Perception and utilization of cervical cancer screening 16. among female nurses in University College Hospital, Ibadan, Nigeria. Pan African Medical Journal 2012;11:69
- Oranratanaphan S, Amatyakul P, Iramaneerat K, Srithipayawan S. Knowledge, 17 attitudes and practices about the Pap smear among Medical Workers in Naresuan University Hospital. Asian Pacific Journal of Cancer Prevention 2010;11:1-4
- 18 Bakheit NM, Haroon A I. The Knowledge, attitudes and practices of Pap smear among local School Teachers in Sharjah District.Middle East J of Family Medicine, 2004; 4(4).
- Anantharaman VV, Sudharshini S, Chitra A. A cross-sectional study on knowledge, 19 attitude, and practice on cervical cancer and screening among female health care providers of Chennai Corporation, 2013. J Acad Med Sci 2012; 2:124-8.
- 20 Khanna N, Ramaseshan A, Arnold S, et al. Community Awareness of HPV

## Volume-7 | Issue-8 | August-2018 | PRINT ISSN No 2250-1991

Screening and Vaccination in Odisha. Obstetrics and Gynecology International 2015:01-0

21 Ragin CC, Edwards RP, Jones J, et al. Knowledge about human papillomavirus and the HPV vaccine – a survey of the general population. Infectious Agents and Cancer. 2009; 4(1):1-9.