

ORAL, BREAST AND CERVICAL CANCERS SCREENING IN GANDHI MEDICAL COLLEGE/HOSPITAL SECUNDERABAD-

FINAL PROJECT REPORT

About our Institute:

Gandhi hospital and Medical College is the one of the two main General Hospitals and Medical Colleges of the twin cities- Hyderabad & Secunderabad.

It is the biggest government hospitals in Andhra Pradesh. The hospital is centrally located in a campus spreading over 30 acres of land in the heart of the city. It has its departments distributed in an eight storied building.

The OPD is situated in a separate four storied block adjacent to the hospital building, which also has an MRI and CT scan facility.

The College is situated in the same campus in a very spacious four storied building catering to the needs of 150 students every year.

Gandhi Hospital caters to people of Hyderabad & Secunderabad and adjoining suburban & rural areas.

It is a tertiary referral super specialty hospital with 1,250 beds & all major specialties & super specialties.

There are V Gynecology units and VI Surgery units, 2 ENT units and one Dental unit in our hospital.

The total annual outpatient attendance is around 6,00,000 of which Female outpatient is 2,95,449.

The annual attendance to Gynecology and Obstetric Outpatient Department is 9,862.

The annual attendance to Surgical Female outpatient Department is 8,686.

The annual attendance to Dental Female outpatient Department is 8,583.

The annual attendance to ENT female outpatient Department is 7,592.

Project

This project was the first of its kind and was well received by the hospital and college administrators and staff. Departments of Gynecology, Dentistry, ENT, General Surgery and other relevant departments were sensitized. There was a consensus to start a 'Well Woman Clinic' in the Gynecology Department and to carry out opportunistic screening and case detection for all the female patients who attend the Gynecology Op of Gandhi Hospital.

The project was submitted through proper channel on 21/09/2005. The Project was started on 16th of April 2006 and was continued till 20th of February 2007. It was run meticulously and per the guidelines and specifications agreed upon in the APW(Agreement for Performance of Work) which was sent on 16th March 2006.

Staff of the hospital were trained as per the WHO training manuals as per the training schedule. A WELL WOMAN CLINIC was set up, to carry out the screening of all the women who attend to the Gynecology OP. The staff for the project were employed and trained to collect the details of the patients who were screened and on the mechanism of collection of smears. Then they were taught the procedure of making and maintaining the stains and then the procedure of staining the smears that were collected.

The paramedical staff was also trained. Regular training schedules were held. The staff of the hospital were sensitized and trained. This training was conducted periodically for cancer awareness and thereby its use in early detection and prevention.

Formats were developed for data collection and reporting.

The posters and audiovisual CD's provided by WHO were translated in to Telugu. This helped in imparting the knowledge to the rural people attending the Gynecology OPD.

Information in the form of posters, manuals and audio visual CD's were displayed in the Gynecology OPD and also in other areas of the Hospital. The CDs were shown to the patients by the public address system of the hospital. This helped in sensitizing the patients who come to Gandhi hospital and helped in creating awareness on cancer among them. The posters and CDs are also displayed in Hindi and in English for the benefit of Urban areas and for patients coming from other areas to this hospital.

A presentation of the details of the activities of this project was made in the Department of Gynecology on 10/08/2006 and was again done on 21/ 12/2006. The details regarding the number of patient attended and screened were given. The details of the early malignancies detected in the Cervix, Breast and Oral cavity were given. It was an interactive session, with active participation by junior and senior staff and also by the paramedical staff. This was very well received and was attended by staff of hospital in large numbers. It was also attended by the HODs of Gynecology, Surgery, ENT and Dental. It was presided by the Superintendent of the hospital and by the Principal of the college. The project has thereby helped in creating awareness and sensitizing the staff on early detection and treatment and prevention of cancers.

Screening for cervical cancer

Pap Smears of patients who came to the Gynecology OP were collected. The proforma for all the patients was duly filled after taking complete personal, family, past and present

history. While taking the history, sexual activity of the patient was given importance. Their Obstetric and Gynecological histories were noted. The clinical details, that is per abdomen and per speculum findings were also noted.

Pap Smears were taken and stained by the Papanicolau method. These smears were screened. The smears were reported following the Bethesda system of reporting for Pap smears. The reports of the smears which were screened were written in the prescribed report form.

The reports of the pap smears were made ready by the next day and given to the patient on their next visit to the hospital. The concerned Gynecology Chief was informed about the abnormal Pap smear report so that prompt treatment could be given to those patients.

A biopsy was done to the needy patients, to facilitate early diagnosis and thereby help in early treatment and preventing frank malignancy in those patients, thus reducing the mortality and morbidity due to cancer Cervix.

Clinical breast examination and FNAC

The patients were also examined for any breast mass or lumps. On examination of both breasts, if a lump was palpated, the details of the lump were taken and the Proforma for Breast lesions was duly filled. The history of parity, family history, history of breast feeding and history of any previous breast masses was taken. The details of the clinical breast examination was entered. FNAC- Fine Needle Aspiration Cytology- was done all those patients in whom a breast mass was palpated.

These smears were stained by H&E stain. All the smears were screened. The report of these screened smears was written in the prescribed report form. The report containing the details of the smear screened was made available the next day. These reports were given to the patients on the next visit to the hospital.

The concerned Surgery Chief was informed about the abnormal Breast smear reports so that prompt treatment could be given to those patients. An excision or a lumpectomy was carried out for the benign cases and a Mastectomy was done for the malignant cases. The excised and Mastectomy specimens were sent to the Pathology Department where they processed and a histopathology report was given as early as possibly, and so help to reduce the mortality and morbidity due to Breast cancers.

Oral cancer

These patients were also asked on their Tobacco habits. The Proforma was duly filled, taking the details their Tobacco habits. The duration, type and quantity of tobacco use, along with method of usage was taken into account. The Oral cavity was then thoroughly examined for visible lesions. These patients were then submitted for the Oral Toluidine blue stain which helped in easy identification of the Oral lesion. An Oral Brush Biopsy was then performed on such lesions. The Toluidine blue stain report and the Oral brush biopsy report were then made available to the patients. This helped in early detection and prevention of Oral Cancers. This was later confirmed on routine histopathology.

DISTRIBUTION OF CASES SCREENED-

TOTAL CASES: 4072

I. PAP SMEAR

Total smears	:	2385
Normal smear	:	144
Inflammatory Smears	:	1611
Inadequate	:	298
Reactive smears	:	159

INTRAEPITHELIAL LESION OR MALIGNANCY

ASCUS	:	76
ASC-H	:	08
AGC	:	02
LSIL	:	58
HSIL	:	25

SQUAMOUS CELL CARCINOMA:	:	04
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173

II. BREAST

Total	:	201
Benign	:	97
Malignant	:	26
Non Neoplastic	:	48
Inadequate	:	30

III. ORAL

Total	:	112
Precancerous	:	15
Malignant	:	08
Inadequate	:	05
Positive Toluidine Blue test	:	25
Positive Brush Biopsy	:	25

Awareness programmes

The posters and the audiovisual films on cancer awareness and control have been translated into Telugu, so that the majority of patients attending the Gynecology Op are benefited. In the OP block, all the laminated posters are on display. The Posters being displayed are in all three languages, namely English, Hindi and Telugu which have proved to be very useful to the patients visiting the hospital. The Audiovisual system in the hospital screens the cancer control films in Hindi and Telugu. This project has thus helped in creating cancer awareness in the patients, medical and paramedical staff of this college. It has helped in the early cancer detection and in providing treatment to prevent the mortality and morbidity due to Cervical, Oral and Breast Cancers.

Institutionalizing the service

It has been proposed to the Superintendent and to the Principal of Gandhi Medical College by HOD of Gynecology department of Gandhi Hospital to integrate the services offered by the project into the routine services of Gandhi Hospital and extend it to all the female patients who attend the gynecology Op, even after the completion of this project. This has been accepted and this has become a regular service.

Activities Pertaining to Project

- 1) Procurement of chemicals and equipment, as and when required.
- 2) Maintenance of Lab.
- 3) Liaison with doctors of various faculties.
- 4) On going Training programme for imparting training to doctors, Health workers, facilitators & others as per the WHO manuals (NCD).
- 5) Display of Banners & Posters.
- 6) Screening of films translated into Telugu.. Audiovisual aids
- 7) Distribution of pamphlets to patients.
- 8) Registration of patients.
- 9) Screening for oral, breast and cervical lesions and preparation of cytology smears
- 10) Staining of smears, Reporting of smears and documentation
- 11) Discussion of abnormal cases with concerned doctors
- 12) Arrangement for treatment.

Staff employed:

The following personnel were employed

Ms. T Swarnalatha... ..Lab technician

Ms. Vasnatha Health resource person

Ms Sujatha..... Data entry and compilation

Equipments received from W HO

Computer –details Laptop which make

Microscope-details which make, binocular

Formats

Formats for data collection and reporting were developed (enclosed as annexure1)

IEC materials

IEC materials developed by WHO and Government of India were translated into Telugu and made available (Copy enclosed in Annexure 2). The cancer control films have also been translated into Telugu .

Training

Staff employed were trained as per the following schedule

Staff members were sensitized and were trained as per the following schedule

Seminar was held and Principal investigator presented the project

Date	Name	Designations
27/10/06	Dr. Chaya Devi Dr. Vijayalakshmi Dr. Geetha Vasantha Suvarna Nasreen	Prof. & HOD Asst. Prof Postgraduate Lab Technician Lab Technician Facilitator
03/11/06	Dr. Tripura sunderi Dr. Sunderi Shobha Suvarna Nagaraju	Prof Postgraduate Lab Technician Lab Technician Facilitator
16/11/06	Dr. Jothirmayi Vasantha Krishna Reddy Nasreen	Assoc. Prof Lab Technician Lab Technician Facilitator
02/12/06 GH	Dr. Bala Raju Dr A. Y Chary Dr Chaya Devi Dr. Narmada Dr.Aruna Dr. Neelima Vasantha	Superintendent,GH Principal, GMC Prof and HOD of OBG Asst. Prof Asst. Prof Postgraduate Lab Technician
22/12/06	Dr. Shobha Dr. Venkat Reddy Dr. Krishna Kanth	Asst. Prof Assoc.Prof Postgraduate
18/01/07	Dr. A.Y.Chary Dr. Padmamalini Kishan Kumar	Prof. & HOD Asst. Prof Facilitator
31/01/07	Dr. Manjula Dr. Nageshwar Reddy Balreddy	Assoc. Prof Assoc. Prof Lab Technician
15/02/07	Dr. Purnachander Rao Dr. Hima Bindu Dr. RaviShekar	Asst. Prof Asst. Prof R.M.O

OPPORTUNISTIC SCREENING OF CERVIX, BREAST & ORAL
CANCERS

(GoI-WHO Collaborative Programme 2006-2007)
WELL WOMEN CLINIC, GYNAECOLOGY OUT PATIENT
Pathology Dept.Project, GANDHI HOPSITAL,
MUSHEERABAD

PAP SMEAR REPORT

NAME:

AGE:

UNIT:

DATE:

CLINICAL HISTORY:
ADEQUACY OF SMEAR:
NORMAL COMPONENT:

BENIGN CELLULAR CHANGES:

INFLAMMATION:
INFECTION:
REACTIVE CHANGES:

EPITHELIAL ABNORMALITY:

IMPRESSION:

REMARKS:

SIGNATURE

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PAP SMEAR PROFORMA

	Ward No.	House No.	Individual No.	
1. ID No.	<input type="text"/>	<input type="text"/>	<input type="text"/>	1
2. Date of Interview	<input type="text"/>	<input type="text"/>	<input type="text"/>	2
3. Full Name			
4. Date of Birth	<input type="text"/>	<input type="text"/>	<input type="text"/>	4
5. Age	<input type="text"/>			5
6. Religion	(1. Hindu 2 Muslim, 3. Chirstian, 4. Others, Specify)			6
7. Occupation			
8. Husband's Occupation			
9. Joint Income/month in Rs (Husband & Wife)	<input type="text"/>			9
10. Education: (1. Nil 2. Literate 3. Primary 4. Middle 5. High School 6. College 7. Not known) (0. Nil 1. Current 2. Past)	<input type="text"/>			10
11. Chewing	<input type="text"/>			11
12. Smoking	<input type="text"/>			12
13. Alcohol	<input type="text"/>			13
	A	B	C	D
	Pan no/day	Beedi no/day	Cigarete no/day	Alcohol ml/day
14. Frequency	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15. Duration in yrs	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
16. Marital Status (1. Living with husband, 2. Separated/ Divorced, 3. Temporarily nofliving with husband, 4. Widowed)	<input type="text"/>			16
17. Duraton of marriage in yrs.	<input type="text"/>			17
18. Duration of seperation/ widowhood, if any yrs,	<input type="text"/>			18
19. Age at menarche	<input type="text"/>			19
20. Age at first marriage	<input type="text"/>			20

OPPORTUNISTIC SCREENING OF CERVIX, BREAST & ORAL CANCERS
(GoI-WHO Collaborative Programme 2006-2007)
WELL WOMEN CLINIC, GYNAECOLOGY OUT PATIENT
Pathology Dept.Project, GANDHI HOPSITAL, MUSHEERABAD

BREAST MASS/ORAL LESION REPORT

NAME:

AGE:

UNIT:

DATE:

CLINICAL HISTORY:

CLINICAL FINDINGS:

TYPE OF SAMPLE:

MICROSCOPIC FINDINGS:

IMPRESSION:

REMARKS:

SIGNATURE

OPPORTUNISTIC SCREENING OF CERVIX, BREAST & ORAL CANCERS
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Pathology Dept.Project, GANDHI HOPSITAL, MUSHEERABAD

Oral Lesions Proforma

1. SL NO. DATE:
2. NAME: 3.AGE : 4.SEX :
5. NAME OF FATHER / HUSBAND:
6. ADDRESS:
7. RELIGION 8: EDUCATION
9. OCCUPATION:
10. TOBACCO HABITS:
11. ALCOHOL HABITS:
12. PATCH: SITE: DURATION:
13. LUMP: SITE: DURATION:
14. ULCER: SITE: DURATION:
15. OTHER SYMPTOMS:
16. DETAILS OF TREATMENT IF ANY:

17. TOLUDINE BLUE TEST RESULT:

18. CYTOLOGY REPORT:

Checked

**OPPORTUNISTIC SCREENING OF CERVIX, BREAST & ORAL
CANCERS**

**(GoI-WHO Collaborative Programme 2006-2007)
WELL WOMEN CLINIC, GYNAECOLOGY OUT PATIENT
Pathology Dept.Project, GANDHI HOSPITAL,
MUSHEERABAD**

ORAL LESIONS PROFORMA

1. S.No.

2. Name

Sex 1. Male

3. Age 4.

Femal
e

5. Name of Father/Husband/Wife 6. Ward No

7. House Name

8. House No

9. Panchayat P.O

10. Date of Clinic

11. Place of Clinic

12. Smear No.

13. Religion (1.Hindu, 2.Muslim, 3.Christian) 14. Education (1.Illiterate,
2.School, 3.University)

15. Occupation (1.House Wife, 2.Manual Labour, 3.Skilled Labour, 4.Office
Work,

5. Professional)

16. Tobacco Habits (1.Yes, 2.No, 3.Past)	<input type="checkbox"/>
17. Type of Habit (1.Chewing, 2.Smoking, 3.Pan, 4.Combined)	<input type="checkbox"/>
18. Alcohol Habits (1.Yes, 2.No, 3.Past)	<input type="checkbox"/>

Symptoms

19. Lump (1.Yes, 2.No) 20. Pain (1.Yes,
 2.No)

Site Ulcer (1.Yes,
2.No)

Duration Days Site
Days Duration

21. Other Symptoms

22. Details of Treatment if any

23. CYTOLOGY REPORT

SIGNATURE

OPPORTUNISTIC SCREENING OF CERVIX, BREAST & ORAL CANCERS
(GoI-WHO Collaborative Programme 2006-2007)
WELL WOMEN CLINIC, GYNAECOLOGY OUT PATIENT
Pathology Dept.Project, GANDHI HOSPITAL, MUSHEERABAD
Breast Mass proforma

Sl.no.

SOCIODEMOGRAPHIC DETAILS

1. Name
2. Age
3. Address
4. Tel.No.
5. Residence 1.Rural 2.Urban
6. Religion 1.Hindu 2.Christian 3.Muslim 4.Others
7. Educational qualification 1.SSLC 2.PreDegree 3.Degree 4.Post Graduate
8. Occupation 1.Desk job 2.Technical job
9. Monthly income 1.<5000 2.5000-10,000 3.10,000-15,000 4.>15,000
10. Does your husband or any other member in your family smoke 1.Yes 2.No

MENSTRUAL AND OBSTETRICAL DETAILS

1. Age at menarche
2. Martial status 1. Married 2. Unmarried 3. Widowed 4. Seperate
3. Age of marriage
4. Age of first child birth
5. Have you breast fed or not 1.Yes 2.No
- If yes, duration of breast feeding 1. 2. 3.
6. No. of children
7. Age of menopause, if attained
8. Any history of previous breast biopsy/surgery 1.Yes 2.No
- If Yes, HPR report
9. Diet 1.Veg 2.Non Veg
10. Any history of breast cancer or gynecological cancer/disease in the family 1.Yes 2.No
11. Do you use any oral contraceptive pills 1.Yes 2.No
- If yes, name/nature of pills
- Duration of use
12. History of Oophorectomy/hysterectomy 1.Yes 2.No
- If yes, age at which Oophorectomy done

13. History of previous irradiation to chest 1. Yes 2. No

14. Have you taken any treatment for infertility 1. Yes 2. No

If yes, name of drug

AWARENESS OF BREAST CANCER

1. Do you periodically examine your breasts 1. Yes 2. No

2. Have you felt any lump/skin change/discharge 1. Yes 2. No

3. Are you aware of breast cancer? 1. Yes 2. No

4. Are you aware of cancer treatment? 1. Yes 2. No

5. Are you aware that cancer is treatable if detected early 1. Yes 2. No

6. Do you think all lumps are cancer? 1. Yes 2. No

7. Are you aware of mammography 1. Yes 2. No

OTHER DETAILS

1. Do you have any other medical disease 1. Yes 2. No

If yes, specify

2. Do you have any stress in the family 1. Yes 2. No

GENERAL EXAMINATION

1. Height

2. Weight

CLINICAL BREAST EXAMINATION

1. Lump 1. Yes 2. No

Site

Duration

2. Skin change 1. Yes 2. No

3. Discharge from nipple 1. Yes 2. No

4. Other symptoms

5. Details of treatment, if any

6. FNAC Report

7. Follow up details

8. Advice

