

**Screening Women
For
Cervical Cancer
in
Low Resource Setting**

Presented By

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GREETINGS FROM INDIA



Cervical Cancer

1,20,000 women suffer in India

80,000 die of it

“Preventable but not prevented”

The reality today

VISUAL INSPECTION WITH ACETIC ACID VIA

- × New approach – Experimental stage
- × Suitable for areas where
 - + Labs not adequate
 - + Advanced disease is common
- × Available personnel to be trained
- × VIA+ve
 - VIA-ve
 - Benign
 - Suspicious
 - Malignant

VIA +VE 10 – 15%

- × See and Screen.
- × See and Treat with Cryotherapy.
- × Single Visit Approach
- × Successfully implemented in Thailand and South Africa
- × Where possible at least 2 visits to plan Rx

VIA (2003)

	Sensitivity	Specificity
Sankaranarayanan	67% - 79%	49% - 86%
Gaffikin	64% - 98%	64% - 98%

LOW RESOURCE SETTING

OTHER MODALITIES

VIA - Visual inspection of cervix with 3 % acetic acid

VIAM - with magnification

VILI - with Lugol's Iodine



Can be done by Paramedical staff

TO IMPROVE COVERAGE WE ORGANISE RURAL CYTOLOGY CAMPS

- ✘ District laboratory conducts rural cytology camps
 - ✘ Current aims
 - + To create awareness
 - + Impart knowledge of cancer
 - + Data collection of incidence/prevalence
 - + To co-operate with other camp activities
 - + Help in comprehensive health care
- Gynaecological check-up



DISTRICT TEAM



CAMP PICTURE



LECTURE



- ◆ **Protocols cannot be followed strictly**
- ◆ **Only guidelines can be given**
- ◆ **Individualized treatment is finally the answer**



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- × **Visual Inspection advocated in a large camp**
 - × **VIA + ve selected for Pap smears**
 - × **Smears brought back to District Lab**
 - × **Reports sent out**
 - × **Treatment carried out at district hospital**
 - × **2 visits patient's & family get time to think and plan**

HUMAN PAPILLOMA VIRUS
IMPLICATED IN DEVELOPMENT
OF
CERVICAL CANCER

HPV DNA TESTING –

GREATER PROTECTION AGAINST
CERVICAL DISEASE

VACCINES AGAINST HPV

- × **Prophylactic vaccine**
 - + **Given to all girls – boys at age of 10 – 12 years**
 - + **Efficacy of L1-VLP Vaccine in Prevention of HPV 16 and 18**
- × **Randomized controlled trials in USA and Brazil**
- × **Lancet 2004; 364: 1757**



Emphasis in 21st Century

Public Education

Screening. Early Detection

HPV Testing

Vaccines

Thank You