



TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER™

School of Nursing

Women's Global Health Initiative: Prevention of Cervical Cancer Using Visual Inspection with Acetic Acid and Cryotherapy

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Learning Outcomes

1. Discuss the global incidence, etiology, and pathophysiology of cervical dysplasia and cervical cancer.

- *Definitions of cervical dysplasia and cervical cancer*
- *Etiology of cervical dysplasia and cervical cancer*
- *Pathophysiology of cervical dysplasia and cervical cancer*
- *Global incidence of cervical dysplasia and cervical cancer*
- *Steps involved in implementation of women's health program in Nicaragua aimed at reducing risk of cervical cancer*



Learning Outcomes

2. Describe the utilization of visual inspection of the cervix with acetic acid (VIA) and cryotherapy in low resource countries.

- *Current strategies identified in the literature to target reduction of cervical dysplasia and cervical cancer globally in low resource countries*
- *Explanation of the VIA process*
- *Explanation of cryotherapy process*
- *Patient follow up*
- *Database tracking*



Definitions, Etiology, and Pathophysiology

Cervical Dysplasia

- *Abnormal cells on cervix (pre-cancerous)*
- *Mild to severe*
- *Untreated → high risk of cancer*
- *Strongly associated with HPV, ↑ incidence for smokers*

Cervical Cancer

- *Abnormal cells spread deeper into cervix or other tissues/organs*
- *HPV causes most cervical cancer...environment & lifestyle choices play a role*



Cervical Cancer Statistics

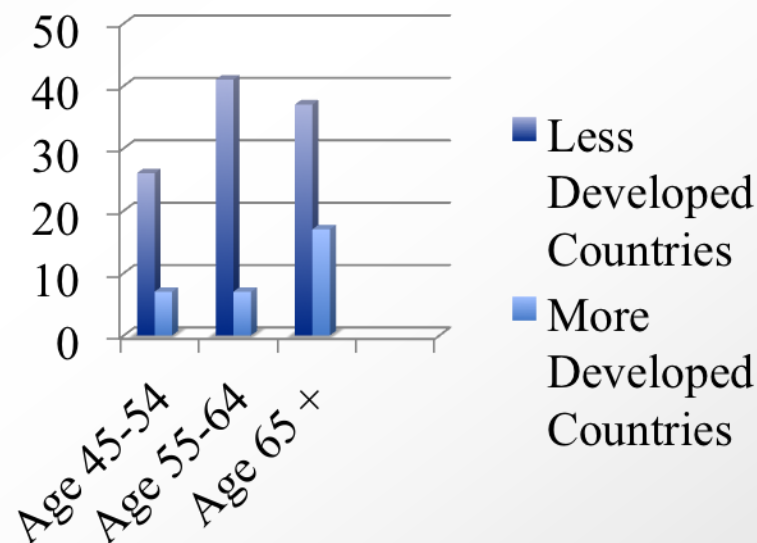
- Cervical Cancer

- *Risks*
- *Diagnosis*
- *Death rate*

- HPV Incidence

- HPV Types

- *Low Grade Lesions*
- *High Grade Lesions*
- *Cervical Cancer Lesions*



International Union Against Cancer 2010.



Strategies to Decrease Cervical Cancer

- Pap Smear
- Advantages
- Disadvantages



Strategies to Decrease Cervical Cancer

- Visual Inspection with Acetic Acid
- Cryotherapy
 - *Methods*
 - *Efficacy*



Partnerships

- Stakeholders
- Gatekeepers
- Policy Makers



Partnerships - Women's Health in Jinotega



Misión
Para
Cristo

- Logistics
- Safety
- Networking
- Community Health Workers

Ministry
of Health

- Clinic Sites
- Training Topics
- Policies
- University

TTUHSC

- Administration
- Office of Global Health
- Resources



Health Care Needs

- Infant/Maternal Mortality
 - Cervical Cancer
 - Pediatric Assessment
 - Community Health Care Worker Education
 - Nursing Education
- 

Women's Health Initiative in Jinotega

- Overview of Goals
 - *Partner with Ministry of Health (MINSA) to set goals and targets – decrease cases of HPV and cervical cancer*
 - *Sustainability – train health care workers in Jinotega*
- Pap Smears/VIA/Cryotherapy
 - *Pap smear screenings*
 - *VIA screenings*
 - *Cryotherapy treatment*
- Education
 - *Train health care workers*
 - *Train nurses/physicians*
- Re-evaluate



Women's Health Initiative in Jinotega

Challenges

- Changes in Political Officials - Minister of Health
- Patient records and data collection
- Inventory and storage of supplies in Nicaragua between trips



Future Plans

- Policies and procedures
- Data collection
- Expansion of VIA training
- Replication of services in other countries



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