Cervical Cancer Care in Peru: Leveraging the Pocket Colposcope to Reduce Loss to Follow Up

**BACKGROUND**

**Cervical Cancer Disease Burden**
- Fourth most common cancer in the world with 85% of cases in LMICs
- Most common cancer in Peru for women between the ages of 15-44
- Mortality rates in Peru are highest in rural regions with less access to screening services

**PRELIMINARY FINDINGS**

Surveys and interviews were conducted with patients, social workers, midwives, and physicians to complete a stakeholder analysis.

<table>
<thead>
<tr>
<th>PERCENT OF WOMEN REPORTING</th>
<th>Cost</th>
<th>Fear</th>
<th>Distance</th>
<th>Lack of Knowledge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90</td>
<td>80</td>
<td>70</td>
<td>60</td>
</tr>
</tbody>
</table>

**PROPOSED SOLUTION**

**Eliminate steps in care continuum**

*Current Three Step Paradigm*
- Pap Smear
- HPV Test VIA
- Colposcopy Biopsy
- Treatment

*Envisioned One Step Paradigm*
- Enhanced VIA
- Treatment

**Improve Image Counseling**

Midwives are currently using personal cell phones to take photos of patients’ cervices. While midwives anecdotally cite this technique as effective in promoting follow up rates, the Pocket colposcope can strengthen this practice by linking higher quality images to electronic health records and creating personalized visit summaries for patients.

**FUTURE STUDY**

**Device Implementation**

Compare how follow up rate changes in clinics where the Pocket colposcope is implemented.

---

Follow Up as a Barrier to Care

Records at our partner institution in Peru, La Liga Contra el Cáncer, show that 71% of women who are screened at mobile clinics never return for follow up screening or care. Our team has developed a proposal for improving this rate using the Pocket colposcope. We have also developed a training package to facilitate implementation of the device in the primary care setting.

Contact: Marlee Krieger (marlee.krieger@duke.edu)

For more information please visit: https://bassconnections.duke.edu/project-teams/pocket-colposcope-increased-distribution-and-adoption-2017-2018