# Improving HPV & precancer treatment among WLWH in LMICs: The Low Hanging Fruit

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## Disclosures

- No financial disclosures
- Personal disclosure/my lens





# Precancer Treatment in LMICs: On field experience

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SCHOOL OF MEDICINE "Kwa ground, vitu (things) are different...."

- And we can (feasibly) do much better

# **Tremendous progress so far**



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# Yet, Still so far to go....



Integration of cervical cancer screening into HIV/AIDS care in low-income countries: a moral imperative

Chemtai Mungo<sup>1</sup>, Emily Barker<sup>2</sup>, Magdalene Randa<sup>3</sup>, Jeniffer Ambaka<sup>3</sup> and Cirilus Ogollah Osongo<sup>3</sup>

#### Case Report: Mungo et al (2021)

- 34 y/o HIV+ female, 8<sup>th</sup> grade education, unemployed
- HIV care since 2010 diagnosis, quarterly visits, virally suppressed
- Jan 2020: Research study, HPV+ on self-test, ill appearing, fungating lesion, stage IIB, confirmed on biopsy

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- Screening history? 2011: VIA +, biopsy taken, not followed up
  - -- April 2020: Radiation started
- Jan 2021: Died from radiation complications
- Her story isn't uncommon, repeats itself often

# Limitations of current treatments methods

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- Greene (JAMA, 2019): Cryotherapy vs LEEP RCT, HIV+ women in Kenya, 24-month CIN2/3 recurrence: 30% cryotherapy, 19% LEEP
- Mungo (2021, IPVC): Thermal ablation, single-arm, HPV+/HIV+ women in Kenya, 12month CIN2/3 recurrence: 34%
- High rates of HPV-persistence: Chung (JAMA, 2021): 12-months: 61% cryotherapy vs 49% LEEP
- How are we mitigating this? Do we know how many WLWH with CIN2/3 have had recurrence? Are they followed up and managed? Is the urgency appreciated?

## What can we learn from the HIV care continuum?

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- What about cervical precancer treatment and outcomes? What is our 95/95/95 cascade?
  - Screened "positive" & treated > seen for 12-month post-treatment visit > recurrence diagnosed & treated
  - We **urgently** need a treatment & outcomes cascade



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How many nurses can correctly identify a Type III transformation zone and hence not ablate it?

Why not have a record of a "positive" lesion for these highest risk women?

Acknowledge limits to service integration and limited training

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#### Safety and Acceptability of Thermal Ablation for Treatment of Human Papillomavirus Among Women Living With HIV in Western Kenya

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- How many microinvasive cancers are inadvertently ablated and not recognized?
- Mungo et al (2020): 1.9% ablated had microinvasive carcinoma on biopsy
- How many endocervical lesions aren't recognized and not treated in Screen & Treat?
- Can we introduce (random or routine) preablation biopsy for QA/QC?



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Loop Electrosurgical Excision Procedure: Safety and Tolerability Among Human Immunodeficiency Virus-Positive Kenyan Women

Victoria G. Woo, BA<sup>1</sup>, Craig R. Cohen, MD, MPH<sup>2</sup>, Elizabeth A. Bukusi, MB, PhD<sup>3</sup>, and Megan Huchko, MD, MPH<sup>2</sup>



- Urgent need for in-house biopsy & LEEP within HIV clinics in LMICs (stop the "ping-pong")
  - Woo et al (2011): 180 LEEPs by nonphysicians, no adverse events
  - Delays in referrals cost lives
- We can very feasibly create in-house 'experts' among nurses, physician assistants (COs) with regular mentorship, supervision
- Need guidelines, metrics, accountability

Cannot rely on gynecologists alone



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"It makes no sense to save a woman's life from AIDS, only to let her die from a treatable or preventable cancer."

U.S President George W. Bush (2015)

"Women are not dying because of untreatable diseases. They are dying because societies have yet to make the decision that their lives are worth saving."

Professor Mahmoud Fathalla (2006)

Urgent need to close this "Know-Do" gap for WLWH

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