

Acceptance and Safety of Invasive Procedures in a Study among HIV Infected and Uninfected Adults in East Africa

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Background

- Studying the viral dynamics and immune-biology of HIV across anatomic compartments is key to the understanding of latent virus reservoirs.
- Conducting invasive procedures in clinical trials has become attractive to obtain biological samples to study HIV reservoirs in several biological sites.
- There is currently limited data on

- Across sites, a total of 56 participants were screened and 38 enrolled, 52.6% (n=20/38) HIV infected.
- The median age of enrolled participants was 28; and more than three quarters were female (n=29/38).
- At time of analysis, participants had consented to a total of 89 invasive procedures (27 lumbar puncture, 36

Although participants could have consented for more than one procedure, one procedure, of their choice, could be performed per visit.

- Eight adverse events related to the study invasive procedures were reported;
 2 related to lymph node biopsy and 6 post lumbar puncture headache.
- Seven of the 8 adverse events were generally mild and resolved with simple analgesia and counseling. One participant

Poster Number 65



Results

acceptability and safety of performing invasive procedures in the context of clinical research in low and middle income countries.

Objectives

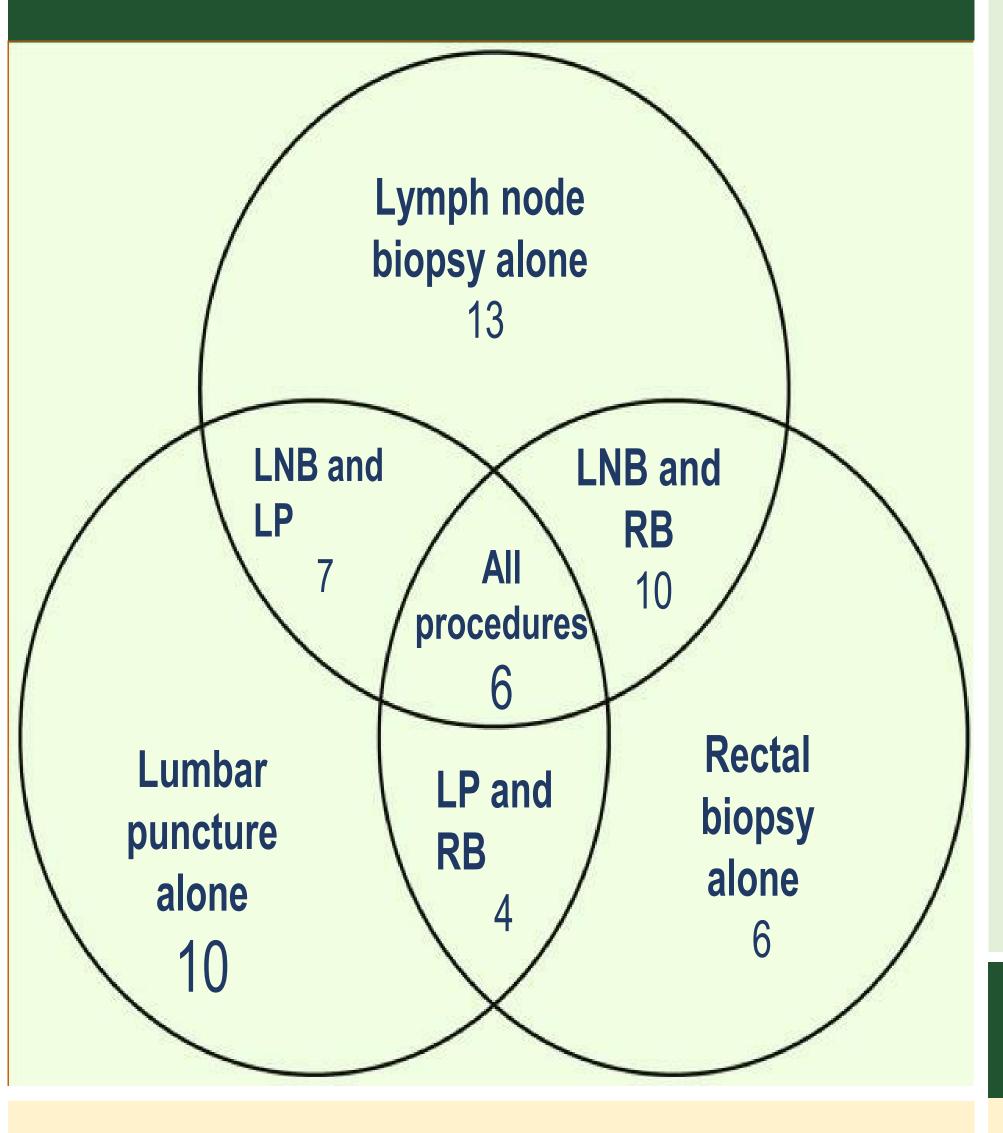
• To describe the acceptability and safety of performing invasive procedures in the context of a specimen collection and analysis study at three clinical sites in East Africa.

Methods

- RV419 is a multi-site specimen collection protocol enrolling HIV infected and uninfected adult participants at clinical sites in East Africa.
- Potential participants are recruited from the

lymph node biopsy, 26 rectal biopsy).

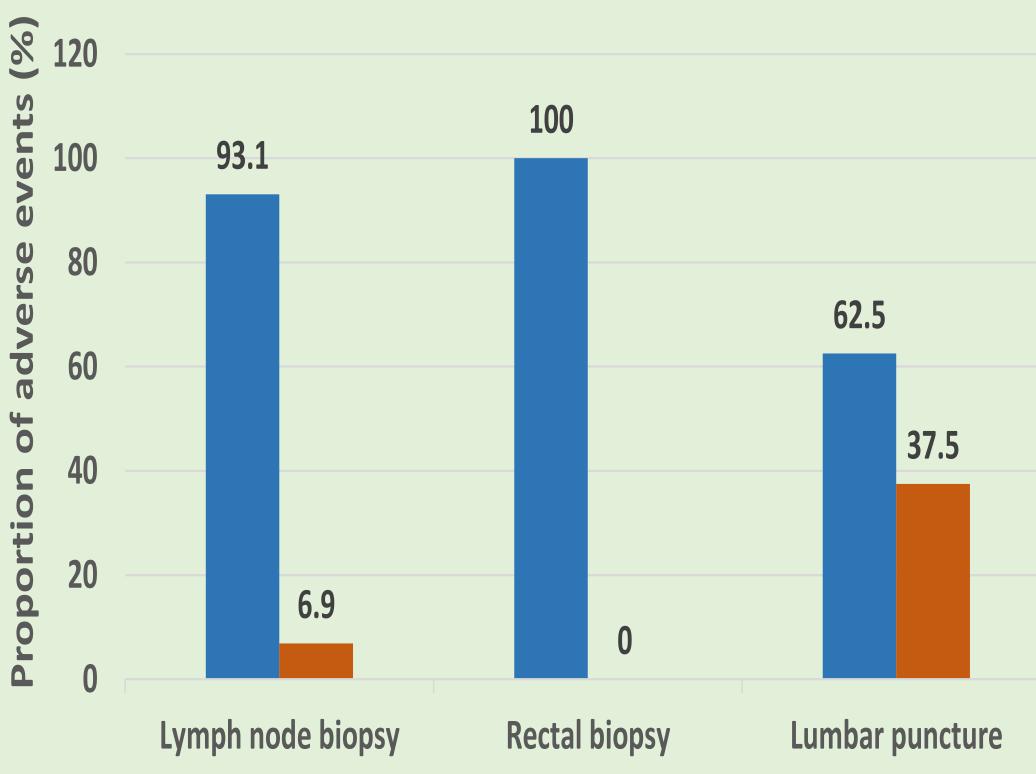
Figure 1: Venn diagram illustrating the acceptability of the different invasive procedures



with post lumbar puncture headache required hospitalization.

Figure 3: Proportion of participants experiencing adverse events by type of invasive procedure

Reports no AE Reports AE



- general community and high-risk cohort studies.
- Participants consent for at least one of three invasive procedures; lumbar puncture (LP), lymph node biopsy (LNB) and rectal biopsy (RB).
- At the subsequent visits participants are free to drop all invasive procedures, select a different procedure or continue with the one they had at enrollment.
- For this analysis we conducted a retrospective review of the participant study.

Measurements

- Demographic data.
- Safety data including AEs.
- Procedures consented for.

 Overall, 100% (n=56) of participants consented for at least one invasive procedure; 51.8% (n=29) consented for only one procedure; 48.2% (n=27) consented for at least two procedures; and 10.7% (n=6) consented for all three procedures.

Figure 2: Comparisons of invasive procedures consented with procedure actually performed



Type of invasive procedure

Conclusions

 Invasive procedures among a small subset of both HIV infected and uninfected individuals living in East Africa is generally well accepted and well tolerated.

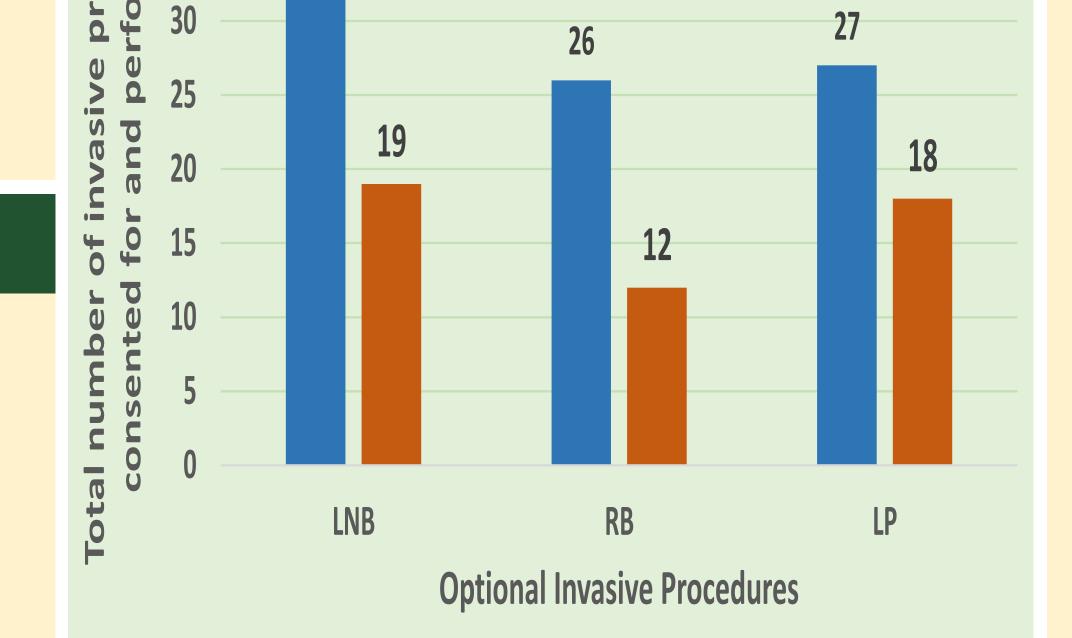
Acknowledgements

- The authors thank the participants and the entire RV419 team
- This work was supported by a cooperative agreement (W81XWH-07-2-0067) between the Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc., and the U.S. Department of

• Actual procedures performed.

Analysis

• We used simple descriptive analysis to describe the acceptability and safety of performing invasive procedures.



Defense (DoD). The views expressed are those of the authors and should not be construed to represent the positions of the DoD. The investigators have adhered to the policies for protection of human subjects as prescribed in AR 70–25.

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