

## 9<sup>th</sup> Indo Global Summit on **Cancer Therapy**

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### **Lao Col-VP: Performance of care HPV™ versus conventional Pap smear for the detection of cervical precancerous and cancerous lesions among HIV infected women in Lao PDR: Preliminary results**

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A new rapid-throughput HPV test called care HPV™ has been shown to have high sensitivity for the detection of high grade cervical intraepithelial neoplasia (CIN). Aim of the study is to assess the performance of HPV screening with care HPV™ versus conventional Pap smear (CPS) for the detection of precancerous and cancerous cervical lesions among HIV-infected women by using a transversal multicenter study in four HIV/AIDS treatment centers from February 2014 to May 2015. All HIV-infected women aged from 25 to 65 years were systematically proposed to participate in the study. Care HPV™, CPS and colposcopy were performed for all enrolled women after obtaining informed consent. Results available for 441 women of 644 enrolled in the study showed the median age is 36 years old. Median time since HIV diagnosis is 4 years. The percentage of patients with positive care HPV™ is 34% and 4.72% with abnormal CPS (HSIL and ASCUS-H). For the detection of CIN 2+ lesions, the sensitivity and specificity of care HPV are 83.3% and 69.6% with the positive predictive value (PPV) and negative predictive value (NPV) are 16.9% and 98.3%, of CPS are 37.9% and 97.7% with the PPV and NPV are 55.0% and 95.5%. Conclusion, care HPV™ has higher sensibility and lower specificity than CPS for the screening of cervical precancerous and cancerous lesions among women living with HIV in Laos. The role of HPV screening in the detection of cervix cancer needs to be further defined in this country. It is recommended to strengthen routine screening of cervical cancer particularly among HIV infected women.

#### **Biography**

Phimpha Paboriboune has completed her MD from University of Health and Sciences in Vientiane, Laos. In 2005, she was awarded a Master's degree in Tropical Medicine and Epidemiology at the Institute de la Francophonie pour la Medecine Tropicale (IFTM) in Laos. Currently she is working as Scientific Director of CICML, Ministry of Health since Jan 2009. She has published around 10 papers in reputed journals.

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