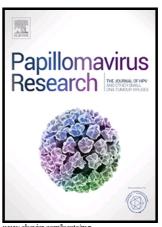
# Author's Accepted Manuscript

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## **ACCEPTED MANUSCRIPT**

Prevalence and correlates of beta human papillomavirus detection in fingernail samples from mid-adult women

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#### Abstract

Cutaneous human papillomaviruses (HPVs) have not been evaluated in fingernails from healthy individuals. To determine prevalence and correlates of  $\beta$ -HPVs in fingernails from healthy mid-adult women, we tested archived samples collected from 2011-2012 using a multiplex PCR combined with Luminex technology for 46  $\beta$ -HPV genotypes. One hundred thirteen (61.0%) of 185 fingernail samples were positive for  $\beta$ -HPV, and the median number of types detected in positive samples was 2 (interquartile range: 1-4). The most common genotypes detected were HPV-23 ( $\beta$ -2) (13.5%), HPV-38 ( $\beta$ -2) (13.0%), HPV-5 ( $\beta$ -1) (9.2%), HPV-107 ( $\beta$ -

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