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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 β -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 β -HPV genotypes. One hundred thirteen (61.0%) of 185 fingernail samples were positive for β -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 (β -2) (13.5%), HPV-38 (β -2) (13.0%), HPV-5 (β -1) (9.2%), HPV-107 (β -

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