

3rd Global Microbiologists Annual Meeting

August 15-17, 2016 Portland, Oregon, USA

Diagnosis of *human papillomavirus* infection among heterosexual men and risk factors associated

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According to the World Health Organization (WHO), more than 630 million men and women are infected with HPV. In Brazil, between 9 million to 10 million people are infected and a total of 700,000 new cases are also expected to arise each year. Worldwide, 105 million people are estimated to be positive for types 16 and 18 HPV. From June 2009 to June, we conducted a cross-sectional study of penile lesion prevalence among male partners of women with human papillomavirus using morphological and biological methods. A total of 82 male sexual partners were recruited in the study. These men were submitted to peniscopy, cytology and viral DNA search. The male partners with penile lesion were submitted to biopsy. We investigated the association between cytology and histology. For statistical analysis, we used the X2 test with Yates' correction. Mean age was 34.6 years, peniscopy was positive in 100%, the most common histological finding was the koilocytosis suggestive of HPV infection (76.8%), the viral DNA search was positive in 14% of men and the HPV types found were 16, 31 and 33. There was a significant association among biopsies and cytology, $p=0.0134$. The number of positive peniscopy and biopsies was significant. But the viral DNA does not match with the morphological findings. There was an association between cytology and histology.

Biography

Julia Maria Goncalves Dias is currently a Researcher from Federal University of Sergipe, Brazil. She has concluded her PhD in 2013 and her research line is about human papillomavirus infection in women and male partners. She has published papers in reputed journals.

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