High-risk HPV is a marker for atypical intraanal cytology in immunocompetent women

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Introduction:
Currently there is a worldwide concern about how best to screen for anal intraepithelial lesion. The cytology seems to be a good method, but there are few experts who have skill. The objective of this study was to evaluate whether high-risk HPV identification by PCR may precede cytology this end.

Methods:
This was an cross-sectional study of 147 women attended at the Federal University of Ceará (UFC). A sample of the residual material of liquid-based cytology (Surepath®) was used for RT-PCR on the Cobas 4800 (Roche). Cytological findings were compared with the PCR results. Fisher exact test were applied for a CI of 95%.

Results:
There were 75/147 positives cases for high-risk HPV and 72/140 negative cases. The average age was similar in both groups. The number of sexual partners referred was not significantly different between the two groups. Among the positive cases atypical intra-anal cytology was significantly more frequent. Among the HPV positive = 26/75and in negative = 10/72 (RR = 1.6361). To HPV16 the RR increases to 2.1765).

Conclusion:
The presence of intraanal high-risk HPV, especially 16, is frequent and its presence is associated with an increased risk of abnormal intraanal cytology.

Disclosure of Interest Statement:
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