

Actinic Light Colposcopy A new colposcopy for early HPV diagnosis

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Abstract

The study by Pap smear and colposcopy clear field (CCC), has not high sensitive and specific; colposcopy by actinic light (CLA), may be a valid strategy. Objective. Determine the validity of CLA detecting cervical lesions by HPV. Patients and methods. Women over 18 over old, sexually active without cervix cancer (CC). Diagnoses with biopsy, Where performed in all patients independently and blinded to Pap smear result, CCC and CCA. It was considered positive when fluorescence visualization CLA. Stats. Determine sensitivity, specificity, likelihood ratios, positive and negative (+RV and -RV), as predictive values. We analyzed the concordance between CLA and Pap with CLA. Results. A total of 357 patients were included, 39(10.9%) were not performed biopsy and were excluded from this analysis. Cervical biopsy was offered to all 357 patients. 39 patients declined a biopsy and were excluded, 318 biopsied, 210 patients were FNa+, 210 FNa+ patients, 184 had positive biopsies (CIN I or worse = positive. CL was found for a sensitivity of 91.87% (95% CI 72 to 90). A specificity of 80% (95% CI 66-88), a RV + 2.7 (95% CI 1.2 to 4), a RV-0.09 (95% CI 0.03), a positive predictive value of 87.6% (CI 95% 66 to 88) and a negative predictive value of 96.3% (95% CI 77-100). The concordance of the CLA was good with the CCC (Kappa of 80% CI 95% and bad with Pap (Kappa of 35.3%, 59.1% CLA and CCC, 80% CLA and biopsy Conclusions. The CLA is a valid and reliable strategy for the detection of lesions by human papillomavirus. Novel colposcope is easy to use, does not require professional training to differentiate grading of dysplasia, reduced interobserver variability, potentially more effective than Pap smear and traditional colposcope technique with AA at identifying dysplasia. Key words: Biopsy, cervix displasia HPV, colposcopy. fluoresceine.

Biography

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