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Use of PapCone® in the Thinprep®-process

During the period from December 10, 2008 to January 10, 2009, clients of my cytology lab prospectively used the PapCone® sampling device for the collection of cell material from the portio and cervix for the Thinprep®-process by Cytyc/Hologic.

After brief instruction about proper handling, sampling was conducted and the suspensions were prepared as part of the daily routine in the practitioners' offices. To rinse the device, it was rotated vigorously clockwise and counter-clockwise in the conservation liquid. The devices were also gently squeezed out at the wall of the vial prior to removal.

A total of 205 preparations from women with an age ranging from 16 to 73 were evaluated. In 204 cases (99.5%) the material yield was good to very good and the cell material was representative. 90% of the samples of portio and cervix contained endocervical cells. Compared to the lab's benchmark this is considered to be very good. Only one sample showed an insufficient number of cells due to an age-related atrophy.

The subjective feedback of the practitioners was positive overall. The number of cases of iatrogenic bleeding was not recorded, but only very few were reported. This is considered evidence of a gentle process for obtaining cells.

Based on this application on 205 samples, I am able to assert that using the PapCone® for liquid-based cytology does not result in any functional impairment of the sample quality. The representativeness of the cell material in the samples and the yield of endocervical cells is above average.

