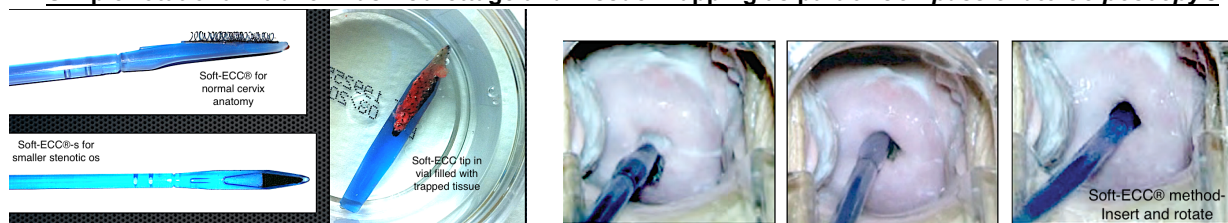


Single-Use Fabric-Based Endocervical Curettage with Tissue Capture: Evidence

MOVE INTO THE 21st Century!

Simple rotational Fabric-Brush Curettage and Tissue Trapping as part of *Compassionate Colposcopy*[®]



Devices and Yield

Procedure

Evidence-based replacement of the Kevorkian Curette with the Soft-ECC[®] FDA Registered Dual-Purpose hooked Kylon[®] Fabric-Based Biopsy and Tissue Trap Containment Curettage Brush

High-yield frictional brush biopsy using a hooked fabric (Kylon[®]) tapered-tip disposable “frictional” curette with a 360-degree rotational method significantly reduces the incidence of “insufficient” histological diagnoses that lead to patient recall. The tissue-filled fabric covered tip is detached and placed in the vial for lab transport, unlike any other curette. Diedrich et al (1) studied a stable practice of 81 physician and nurse colposcopists and pathologists blinded to the retrospectively conducted audit, converting their practice from conventional stainless-steel Kevorkian endocervical curettage (n=9234) (insertion and withdrawal sharp curettage method with separate tissue collection) to rotational frictional curettage using the Soft-ECC[®] device (n=774). Fabric based curettage reduced the insufficient rate of curettage (requiring patient recall and repeat curettage) from 4.2% (Kevorkian) to 0.6% (Fabric-based) (p<.001), while increasing the rate of CIN 2+ diagnosis to 3.9% from the 2.3% rate obtained with sharp curettage (p<.01).

A published peer-reviewed randomized trial by Winter et al. (2) has already established the rotational brush biopsy and simultaneous tissue trapping using Soft-ECC[®] resulted in a median (self-reported) patient pain score of 2/10 compared with the cohort which received the “sharp insert-withdraw method” of Kevorkian curettage that sustained a median pain score of 6/10 Likert scale (p<.0001). A similar statistically significant reduction in pain and bleeding was seen with ectocervical biopsy with frictional/rotational fabric tipped devices versus conventional punch biopsy forceps (SoftBiopsy[®]).

Research shows that Kevorkian curettage has limitations including missing canal surface lesions during the “insert/withdraw” method. Even with much variation in the scraping force of the examiner, an endocervical sample can add up to 8.6% more diagnoses of high grade CIN or cancer than can be achieved with ectocervical sampling alone. Investigators conclude that by adding ECC to the colposcopic workup, the highest-grade dysplasia or occult carcinoma can be diagnosed in some cases (3-6).

Histologics LLC, the manufacturer of the Soft-ECC[®] endocervical brush curette and the Soft-ECC-S[®] brush curette (for stenotic, short, or shallow services) invites colposcopists to practice the gentle approach allowing for a consistently abundant and reliable histologic sample to be obtained that may aid in diagnosis and guide therapy. This may enhance procedure compliance and reduce the need for repeat procedure(s).

1. Diedrich J, Bentz J, Rathore S. Comparison of tissue yield using frictional fabric brush versus sharp curettage for endocervical curettage. J. Lower Genital Tract Dis July 2017, epub ahead of print.
2. Winter M, Cestero RM, Burg A, Felix JC, Han C, Raffo AM, Vasilev S. Fabric-based ectocervical and endocervical biopsy in comparison with punch biopsy and sharp curettage. J Low Genit Tract Dis. 2012 Apr;16(2):80-7.
3. Diedrich JT, Felix JC, Lonky NM. Contribution of Exocervical Biopsy, Endocervical Curettage, and Colposcopic Grading in Diagnosing High-Grade Cervical Intraepithelial Neoplasia. J Low Genit Tract Dis. 2016 Jan;20(1):52-6.
4. Gage JC, Duggan MA, Nation JG, Gao S, Castle PE. Detection of cervical cancer and its precursors by endocervical curettage in 13,115 colposcopically guided biopsy examinations. Am J Obstet Gynecol. 2010 Nov;203(5):481.e1-9. Epub 2010 Aug 30.
5. Pretorius RG, Belinson JL, Peterson P, Burchette RJ. Which Colposcopies Should Include Endocervical Curettage? J Low Genit Tract Dis. 2015 Oct;19(4):278-81.
6. Pretorius RG, Belinson JL, Azizi F, Peterson PC, Belinson S. Utility of random cervical biopsy and endocervical curettage in a low-risk population. J Low Genit Tract Dis. 2012 Oct;16(4):333-8.