Supplementary Table 1. Missing data summary (n=246)

Variable	Available (n)	Missing (n)	Missing (%)
Procedure type (LEEP vs. conization)	246	0	0.0
Age (years)	246	0	0.0
Parity	221	25	10.2
Current smoking	241	5	2.0
Preoperative cytology	208	38	15.4
Preoperative HPV status	166	80	32.5
Colposcopy-directed biopsy	237	9	3.7
Endocervical curettage	245	1	0.4
Cone depth (cm)	218	28	11.4
Final excision histopathology	243	3	1.2
Positive surgical margin (PSM) status	241	5	2.0
Re-conization performed	243	3	1.2
Recurrence	246	0	0.0
Any complication	246	0	0.0
Colposcopic impression vs final histology (agreement analysis)	236	10	4.1
12-month HPV result	24	222	90.2
24-month HPV result	14	232	94.3

Note: The multivariable Firth model for PSM used complete cases with non-missing PSM status, cone depth, final excision histopathology, and procedure type (n=215; 18 PSM events)
HPV: Human papillomavirus, LEEP: Loop electrosurgical excision procedure