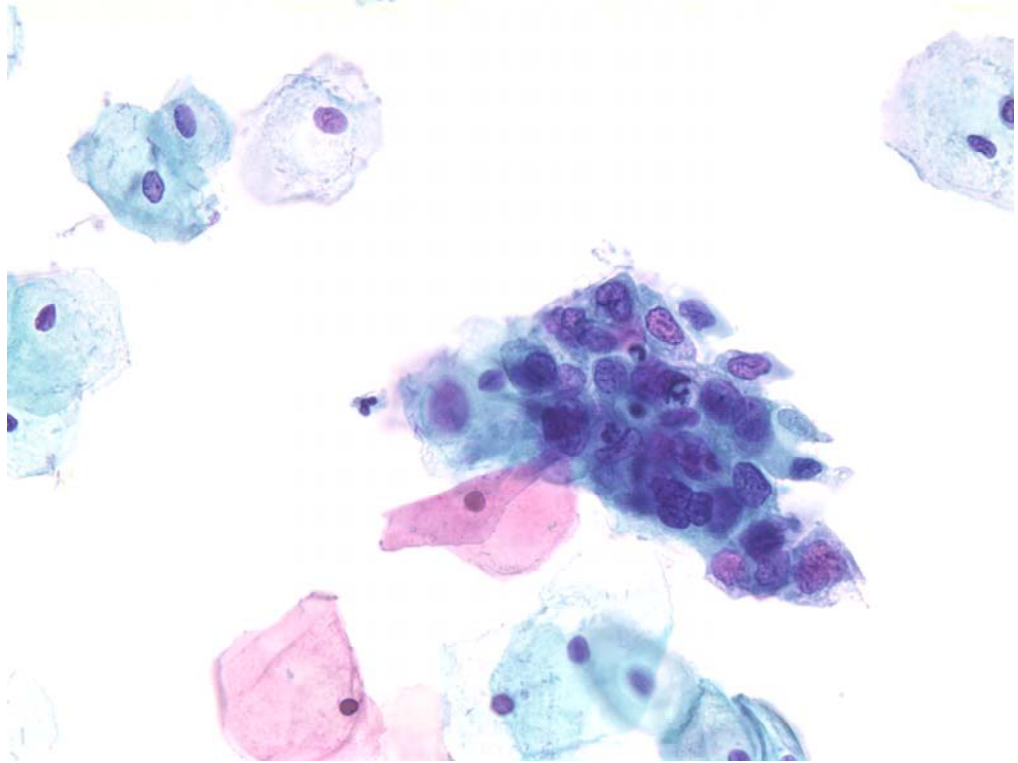


2005

Surveys and Educational
Anatomic Pathology Programs

PAP

Interlaboratory Comparison Program in
Cervicovaginal Cytopathology (PAP)



YEAR END SUMMARY REPORT

© 2005 College of American Pathologists. The College does not permit reproduction of any substantial portion of the material in this Report without its written authorization. The College hereby authorizes participants in the program to use the material in this Report solely for educational purposes within their own institutions. The College prohibits use of the material in the Report - and any unauthorized use of the College's name or logo - in connection with promotional efforts by marketers of laboratory equipment, reagents, materials, or services.

Data from this program do not necessarily indicate the superiority or inferiority of instruments, reagents, or other materials used by participating laboratories. Use of these data to suggest such superiority or inferiority may be deceptive and misleading. The College will take all steps open to it under the law to prevent unauthorized reproduction of substantial portions of the material in this Report, deceptive use of any such material, and any unauthorized use of the College's name or logo in connection with promotional efforts by marketers of laboratory equipment, reagents, materials, or services.



Advancing Excellence

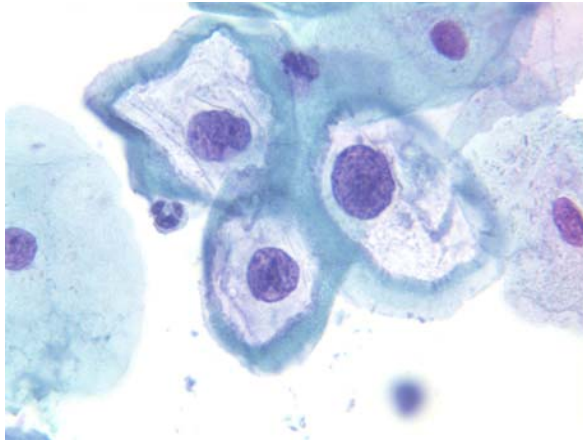


Image 1: Classic koilocytic changes seen in LSIL was not problematic in mock PT (ThinPrep®)

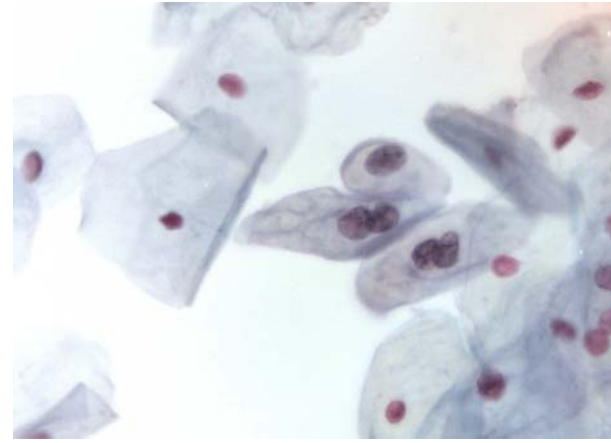


Image 2: Cases demonstrating binucleation and nuclear enlargement without koilocytic features. These cases were problematic in mock PT. (ThinPrep®)

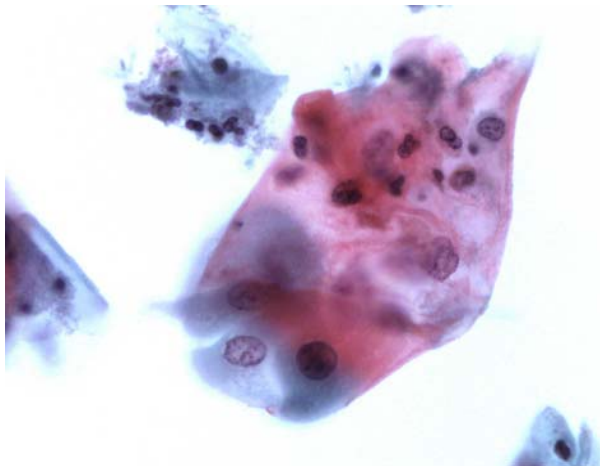


Image 3: Inflammatory changes may cause enlarged nuclei with degenerative features as seen in this image. These cases may be interpreted as LSIL in mock PT. (ThinPrep®)

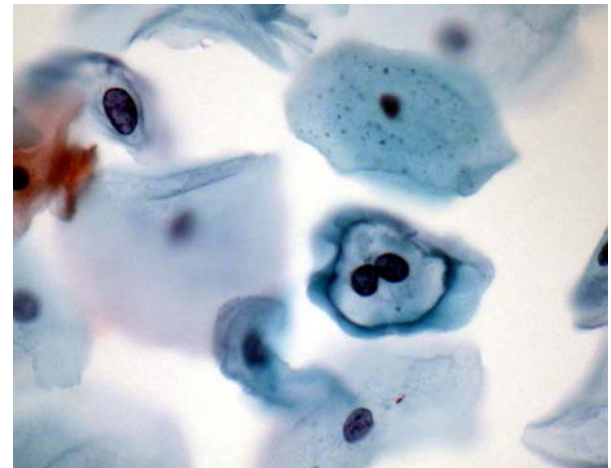


Image 4: Differentiation of LSIL from HSIL is problematic in cases with classic koilocytes and rare single, atypical metaplastic type cells.

TABLE OF CONTENTS

Participant profiles in the PAP Program Overview.....	1
Slide selection for the PAP program.....	2
Interpretive Menu.....	2
PAP criteria for slide grading/validation.....	3
Mock Proficiency Testing.....	4
Limitations of educational and proficiency slide testing.....	5
Criteria and importance of recognizing the unsatisfactory preparation.....	5
Discussion of Sensitivity Rates and Trends.....	6
Conclusion.....	7
General and Committee References.....	8
Table 1 Total Laboratory Interpretations and Concordance Rates (to Series) by Reference Diagnosis.....	10
Tables 2a-2k -Individual Participant Interpretations for Slides in Each Reference Diagnosis Validated Conventional Slides.....	11
Tables 3a-3k -Individual Participant Interpretations for Slides in Each Reference Diagnosis Validated ThinPrep Slides.....	15
Tables 4a-4k -Individual Participant Interpretations for Slides in Each Reference Diagnosis Validated SurePath Slides.....	19

CYTOPATHOLOGY COMMITTEE

Dina R. Mody MD, Chair

David C. Wilbur MD (Vice Chair)	Jonathan H. Hughes MD,PhD
Joel S. Bentz MD	Ann T. Moriarty MD
Barbara Dubray Benstein SCT(ASCP) PhD (Consultant)	Margaret H. Neal MD
George G. Birdsong MD	Marianne Unger Prey MD
Christine Noga Booth MD	Andrew A. Renshaw MD
Karen M. Clary MD	Mary R. Schwartz MD
Amy C. Clayton MD	Tamela M. Snyder MD
Camilla J. Cobb MD	William D. Tench MD
Terence J. Colgan MD	Theresa M. Voytek MD
Teresa Marie Darragh MD	Nancy A. Young MD
Barbara S. Ducatman MD	Sue Zaleski MA,HT(ASCP),SCT (Consultant)
Michael Ross Henry MD	

Front cover image: High Grade Squamous Intraepithelial Lesion on ThinPrep Pap test. The syncytial fragment demonstrates metaplastic cells with smaller irregular, hyperchromatic nuclei.

American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology. *Arch Pathol Lab Med.* 2003; 127: 1413-1420.

11. Renshaw AA, Young NA, Birdsong GG, Styer PE, Davey DD, Mody DR, Colgan TJ. Comparison of Performance of Conventional and ThinPrep Gynecologic Preparations in the College of American Pathologists Gynecologic Cytology Program. *Arch Pathol Lab Med.* 2004; 128:17-22.
12. Renshaw AA, Mody DR, Lozano RL, Volk EE, Walsh MK, Davey DD, Birdsong GG. Detection of adenocarcinoma in situ of the cervix in Papanicolaou tests. *Arch Pathol Lab Med.* 2004; 128: 153 – 157.
13. Davey DD, Neal MH, Wilbur DC, Colgan TJ, Styer PE, Mody DR. Bethesda 2001 implementation and reporting rates: 2003 practices of participants in the College of American Pathologists interlaboratory comparison program in cervicovaginal cytopathology. *Arch Pathol Lab Med* 2004; 128: 1224 – 1229.
14. Gagnon MB, Inhorn S, Hancock J et al. Comparison of cytology proficiency testing glass slides vs. virtual slides. *Acta Cytol* 2004; 48: 788 – 794.
15. Renshaw AA, Dubray-Benstein B, Haja J, Hughes JH. Cytologic features of low-grade squamous intraepithelial lesion in ThinPrep Papanicolaou test slides and conventional smears. *Arch Pathol Lab Med* 2005; 129: 23 – 25.
16. Renshaw AA, Wang E, Mody DR, Wilbur DC, Davey DD, Colgan TJ. Measuring the significance of field validation in the College of American Pathologists Interlaboratory Comparison Program in cervicovaginal cytology: how good are the experts? *Arch Pathol Lab Med.* 2005; 129:609-613
17. Snyder TM, Renshaw AA, Styer PE, Mody DR, Colgan TJ. Altered recognition of reparative changes in ThinPrep® specimens in the College of American Pathologists Gynecologic Cytology Program. *Arch Pathol Lab Med.* 2005; 129:861-65.
18. Renshaw AA, Mody DR, Wang E, Wilbur D, Colgan TJ. Measuring the significance of participant evaluation of acceptability of cases in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology. *Arch Pathol Lab Med.* 2005; 129:1093-1096.
19. Renshaw AA, Walsh M, Blond B, Moriarty A, Mody D, Colgan TJ: 'Robustness' of validation criteria in the College of American Pathologists Interlaboratory Comparison Program in Cervicovaginal Cytology. *Arch Pathol Lab Med.* (In press)

TABLE 1
Interlaboratory Comparison Program in Cervicovaginal Cytopathology (PAP)
Total Laboratory Interpretations and Concordance Rates (to Series) by Reference Diagnosis
Validated Conventional, ThinPrep, and SurePath Slides for 2004-2005

	Conventional				ThinPrep				SurePath			
	2004		2005		2004		2005		2004		2005	
Reference Diagnosis	N	%	N	%	N	%	N	%	N	%	N	%
Unsatisfactory	17	100.0	792	97.3	0	-	675	96.6	0	-	238	97.1
Negative for intraepithelial lesion or malignancy	2,579	98.7	1,045	96.7	773	99.1	1256	98.0	7	85.7	284	97.9
Fungal organisms c/w Candida	869	99.4	355	98.3	607	99.5	1000	99.3	5	100.0	183	99.5
Trichomonas vaginalis	1,475	98.5	570	96.7	415	99.3	594	99.0	6	100.0	143	98.6
Cellular changes c/w Herpes simplex virus	347	99.4	193	97.4	113	99.1	303	99.3	12	100.0	66	95.5
Reparative changes	246	95.9	147	91.2	12	100.0	11	90.9	0	-	1	100.0
Atrophic vaginitis	56	100.0	2	100.0	38	97.4	0	-	0	-	0	-
Low grade squamous intraepithelial lesion	1,719	97.4	631	98.3	797	98.4	924	98.2	16	93.8	206	99.0
High grade squamous intraepithelial lesion	2,367	98.6	1,017	98.5	830	98.3	1313	97.6	14	100.0	250	98.4
Adenocarcinoma in situ	25	92.0	0	-	51	96.1	3	100.0	0	-	0	-
Squamous cell carcinoma	1,386	99.1	720	99.2	175	98.3	493	97.0	0	-	66	100.0
Adenocarcinoma, not otherwise specified	1,222	98.0	624	98.2	291	98.6	655	96.9	7	100.0	96	99.0
HSIL/Carcinoma, not otherwise specified	41	97.6	59	98.3	23	100.0	25	92.0	3	100.0	17	100.0
Total	12,349	98.5	6,155	97.7	4,125	98.8	7,252	97.9	70	97.1	1,550	98.3

**2005 Pap Mock PT Program
Individual Participant Interpretations for Slides in Each Reference Diagnosis
Validated Conventional Slides**

Table 2a

Reference Diagnosis: Unsatisfactory for evaluation

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	1587	96.65%	1308	97.61%
Category B (Negative)	48	2.92%	21	1.57%
Category C (LSIL)	1	0.06%	2	0.15%
Category D (HSIL+)	5	0.30%	6	0.45%
No response	1	0.06%	3	0.22%
Total	1642	100.00%	1340	100.00%

Table 2b

Reference Diagnosis: Negative for intraepithelial lesion or malignancy, NOS

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	77	3.80%	34	2.27%
Category B (Negative)	1865	92.10%	1421	94.80%
Category C (LSIL)	44	2.17%	27	1.80%
Category D (HSIL+)	35	1.73%	16	1.07%
No response	4	0.20%	1	0.07%
Total	2025	100.00%	1499	100.00%

Table 2c

Reference Diagnosis: Fungal organisms consistent with Candida

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	9	1.36%	5	1.16%
Category B (Negative)	638	96.67%	420	97.67%
Category C (LSIL)	11	1.67%	5	1.16%
Category D (HSIL+)	2	0.30%	0	0.00%
No response	0	0.00%	0	0.00%
Total	660	100.00%	430	100.00%

**2005 Pap Mock PT Program
Individual Participant Interpretations for Slides in Each Reference Diagnosis
Validated Conventional Slides**

Table 2d

Reference Diagnosis: Trichomonas vaginalis

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	36	3.09%	17	2.13%
Category B (Negative)	1067	91.59%	759	95.23%
Category C (LSIL)	44	3.78%	10	1.25%
Category D (HSIL+)	16	1.37%	10	1.25%
No response	2	0.17%	1	0.13%
Total	1165	100.00%	797	100.00%

Table 2e

Reference Diagnosis: Cellular changes consistent with Herpes simplex virus

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	3	0.75%	2	0.72%
Category B (Negative)	386	96.98%	242	87.36%
Category C (LSIL)	6	1.51%	31	11.19%
Category D (HSIL+)	3	0.75%	2	0.72%
No response	0	0.00%	0	0.00%
Total	398	100.00%	277	100.00%

Table 2f

Reference Diagnosis: Reparative changes

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	7	2.56%	2	1.32%
Category B (Negative)	242	88.64%	140	92.11%
Category C (LSIL)	13	4.76%	5	3.29%
Category D (HSIL+)	10	3.66%	5	3.29%
No response	1	0.37%	0	0.00%
Total	273	100.00%	152	100.00%

**2005 Pap Mock PT Program
Individual Participant Interpretations for Slides in Each Reference Diagnosis
Validated Conventional Slides**

Table 2g

Reference Diagnosis: Low grade squamous intraepithelial lesion

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	7	0.56%	0	0.00%
Category B (Negative)	33	2.64%	5	0.50%
Category C (LSIL)	1181	94.40%	966	96.31%
Category D (HSIL+)	29	2.32%	32	3.19%
No response	1	0.08%	0	0.00%
Total	1251	100.00%	1003	100.00%

Table 2h

Reference Diagnosis: High grade squamous intraepithelial lesion

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	5	0.24%	2	0.13%
Category B (Negative)	36	1.74%	18	1.15%
Category C (LSIL)	112	5.41%	99	6.30%
Category D (HSIL+)	1911	92.32%	1451	92.36%
No response	6	0.29%	1	0.06%
Total	2070	100.00%	1571	100.00%

Table 2i

Reference Diagnosis: Squamous cell carcinoma

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	8	0.55%	2	0.16%
Category B (Negative)	11	0.75%	2	0.16%
Category C (LSIL)	11	0.75%	19	1.48%
Category D (HSIL+)	1436	97.89%	1261	98.13%
No response	1	0.07%	1	0.08%
Total	1467	100.00%	1285	100.00%

**2005 Pap Mock PT Program
Individual Participant Interpretations for Slides in Each Reference Diagnosis
Validated Conventional Slides**

Table 2j

Reference Diagnosis: Adenocarcinoma, NOS

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	10	0.81%	8	0.74%
Category B (Negative)	35	2.85%	18	1.66%
Category C (LSIL)	6	0.49%	7	0.65%
Category D (HSIL+)	1176	95.77%	1050	96.95%
No response	1	0.08%	0	0.00%
Total	1228	100.00%	1083	100.00%

Table 2k

Reference Diagnosis: HSIL/Carcinoma, NOS

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	1	0.72%	3	1.89%
Category B (Negative)	0	0.00%	0	0.00%
Category C (LSIL)	1	0.72%	2	1.26%
Category D (HSIL+)	137	98.56%	154	96.86%
No response	0	0.00%	0	0.00%
Total	139	100.00%	159	100.00%

**2005 Pap Mock PT Program
Individual Participant Interpretations for Slides in Each Reference Diagnosis
Validated ThinPrep Slide1**

Table 3a

Reference Diagnosis: Unsatisfactory for evaluation

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	1433	93.97%	1538	94.59%
Category B (Negative)	65	4.26%	65	4.00%
Category C (LSIL)	6	0.39%	5	0.31%
Category D (HSIL+)	19	1.25%	17	1.05%
No response	2	0.13%	1	0.06%
Total	1525	100.00%	1626	100.00%

Table 3b

Reference Diagnosis: Negative for intraepithelial lesion or malignancy, NOS

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	26	0.91%	16	0.56%
Category B (Negative)	2742	95.87%	2766	96.68%
Category C (LSIL)	46	1.61%	42	1.47%
Category D (HSIL+)	43	1.50%	34	1.19%
No response	3	0.10%	3	0.10%
Total	2860	100.00%	2861	100.00%

Table 3c

Reference Diagnosis: Fungal organisms consistent with Candida

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	7	0.31%	5	0.22%
Category B (Negative)	2233	97.38%	2200	98.70%
Category C (LSIL)	43	1.88%	21	0.94%
Category D (HSIL+)	8	0.35%	3	0.13%
No response	2	0.09%	0	0.00%
Total	2293	100.00%	2229	100.00%

**2005 Pap Mock PT Program
Individual Participant Interpretations for Slides in Each Reference Diagnosis
Validated ThinPrep Slides**

Table 3d

Reference Diagnosis: Trichomonas vaginalis

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	13	0.98%	10	0.78%
Category B (Negative)	1288	96.91%	1259	97.67%
Category C (LSIL)	20	1.50%	13	1.01%
Category D (HSIL+)	8	0.60%	6	0.47%
No response	0	0.00%	1	0.08%
Total	1329	100.00%	1289	100.00%

Table 3e

Reference Diagnosis: Cellular changes consistent with Herpes simplex virus

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	0	0.00%	3	0.42%
Category B (Negative)	683	97.99%	699	97.35%
Category C (LSIL)	7	1.00%	7	0.97%
Category D (HSIL+)	7	1.00%	9	1.25%
No response	0	0.00%	0	0.00%
Total	697	100.00%	718	100.00%

Table 3f

Reference Diagnosis: Reparative changes

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	0	0.00%	0	0.00%
Category B (Negative)	17	94.44%	10	71.43%
Category C (LSIL)	0	0.00%	2	14.29%
Category D (HSIL+)	1	5.56%	2	14.29%
No response	0	0.00%	0	0.00%
Total	18	100.00%	14	100.00%

**2005 Pap Mock PT Program
Individual Participant Interpretations for Slides in Each Reference Diagnosis
Validated ThinPrep Slides**

Table 3g

Reference Diagnosis: Low grade squamous intraepithelial lesion

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	4	0.19%	1	0.05%
Category B (Negative)	63	3.00%	47	2.20%
Category C (LSIL)	1984	94.48%	2041	95.37%
Category D (HSIL+)	48	2.29%	50	2.34%
No response	1	0.05%	1	0.05%
Total	2100	100.00%	2140	100.00%

Table 3h

Reference Diagnosis: High grade squamous intraepithelial lesion

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	7	0.23%	8	0.27%
Category B (Negative)	137	4.60%	68	2.27%
Category C (LSIL)	219	7.35%	267	8.90%
Category D (HSIL+)	2616	87.76%	2654	88.50%
No response	2	0.07%	2	0.07%
Total	2981	100.00%	2999	100.00%

Table 3i

Reference Diagnosis: Squamous cell carcinoma

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	8	0.70%	10	0.99%
Category B (Negative)	38	3.35%	15	1.49%
Category C (LSIL)	22	1.94%	22	2.19%
Category D (HSIL+)	1066	93.92%	959	95.33%
No response	1	0.09%	0	0.00%
Total	1135	100.00%	1006	100.00%

**2005 Pap Mock PT Program
Individual Participant Interpretations for Slides in Each Reference Diagnosis
Validated ThinPrep Slides**

Table 3j

Reference Diagnosis: Adenocarcinoma, NOS

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	14	0.91%	7	0.50%
Category B (Negative)	44	2.87%	20	1.44%
Category C (LSIL)	6	0.39%	5	0.36%
Category D (HSIL+)	1467	95.82%	1360	97.63%
No response	0	0.00%	1	0.07%
Total	1531	100.00%	1393	100.00%

Table 3k

Reference Diagnosis: HSIL/Carcinoma, NOS

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	0	0.00%	0	0.00%
Category B (Negative)	6	8.11%	4	9.09%
Category C (LSIL)	0	0.00%	1	2.27%
Category D (HSIL+)	68	91.89%	39	88.64%
No response	0	0.00%	0	0.00%
Total	74	100.00%	44	100.00%

**2005 Pap Mock PT Program
Individual Participant Interpretations for Slides in Each Reference Diagnosis
Validated SurePath Slides**

Table 4a

Reference Diagnosis: Unsatisfactory for evaluation

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	468	96.30%	370	95.36%
Category B (Negative)	15	3.09%	18	4.64%
Category C (LSIL)	1	0.21%	0	0.00%
Category D (HSIL+)	1	0.21%	0	0.00%
No response	1	0.21%	0	0.00%
Total	486	100.00%	388	100.00%

Table 4b

Reference Diagnosis: Negative for intraepithelial lesion or malignancy, NOS

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	5	0.85%	3	0.57%
Category B (Negative)	563	96.08%	501	95.07%
Category C (LSIL)	10	1.71%	18	3.42%
Category D (HSIL+)	8	1.37%	5	0.95%
No response	0	0.00%	0	0.00%
Total	586	100.00%	527	100.00%

Table 4c

Reference Diagnosis: Fungal organisms consistent with Candida

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	1	0.28%	1	0.30%
Category B (Negative)	345	97.46%	333	98.52%
Category C (LSIL)	6	1.69%	3	0.89%
Category D (HSIL+)	1	0.28%	1	0.30%
No response	1	0.28%	0	0.00%
Total	354	100.00%	338	100.00%

**2005 Pap Mock PT Program
Individual Participant Interpretations for Slides in Each Reference Diagnosis
Validated SurePath Slides**

Table 4d

Reference Diagnosis: Trichomonas vaginalis

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	0	0.00%	2	0.67%
Category B (Negative)	272	96.45%	288	96.00%
Category C (LSIL)	9	3.19%	5	1.67%
Category D (HSIL+)	1	0.35%	4	1.33%
No response	0	0.00%	1	0.33%
Total	282	100.00%	300	100.00%

Table 4e

Reference Diagnosis: Cellular changes consistent with Herpes simplex virus

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	1	0.72%	3	1.31%
Category B (Negative)	130	94.20%	224	97.82%
Category C (LSIL)	6	4.35%	2	0.87%
Category D (HSIL+)	1	0.72%	0	0.00%
No response	0	0.00%	0	0.00%
Total	138	100.00%	229	100.00%

Table 4f

Reference Diagnosis: Reparative changes

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	0	0.00%	0	0.00%
Category B (Negative)	2	100.00%	0	0.00%
Category C (LSIL)	0	0.00%	0	0.00%
Category D (HSIL+)	0	0.00%	0	0.00%
No response	0	0.00%	0	0.00%
Total	2	100.00%	0	0.00%

**2005 Pap Mock PT Program
Individual Participant Interpretations for Slides in Each Reference Diagnosis
Validated SurePath Slides**

Table 4g

Reference Diagnosis: Low grade squamous intraepithelial lesion

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	0	0.00%	0	0.00%
Category B (Negative)	7	1.76%	3	0.92%
Category C (LSIL)	387	97.24%	317	97.54%
Category D (HSIL+)	3	0.75%	5	1.54%
No response	1	0.25%	0	0.00%
Total	398	100.00%	325	100.00%

Table 4h

Reference Diagnosis: High grade squamous intraepithelial lesion

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	0	0.00%	0	0.00%
Category B (Negative)	20	4.03%	17	3.15%
Category C (LSIL)	68	13.71%	105	19.44%
Category D (HSIL+)	405	81.65%	417	77.22%
No response	3	0.60%	1	0.19%
Total	496	100.00%	540	100.00%

Table 4i

Reference Diagnosis: Squamous cell carcinoma

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	0	0.00%	0	0.00%
Category B (Negative)	1	0.80%	0	0.00%
Category C (LSIL)	2	1.60%	0	0.00%
Category D (HSIL+)	122	97.60%	125	100.00%
No response	0	0.00%	0	0.00%
Total	125	100.00%	125	100.00%

**2005 Pap Mock PT Program
Individual Participant Interpretations for Slides in Each Reference Diagnosis
Validated SurePath Slides**

Table 4j

Reference Diagnosis: Adenocarcinoma, NOS

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	0	0.00%	0	0.00%
Category B (Negative)	1	0.56%	1	0.52%
Category C (LSIL)	0	0.00%	0	0.00%
Category D (HSIL+)	178	99.44%	193	99.48%
No response	0	0.00%	0	0.00%
Total	179	100.00%	194	100.00%

Table 4k

Reference Diagnosis: HSIL/Carcinoma, NOS

Participant Interpretation	Pathologist		Cytotech	
	N	%	N	%
Category A (Unsat)	0	0.00%	0	0.00%
Category B (Negative)	0	0.00%	1	4.76%
Category C (LSIL)	1	3.85%	0	0.00%
Category D (HSIL+)	25	96.15%	20	95.24%
No response	0	0.00%	0	0.00%
Total	26	100.00%	21	100.00%

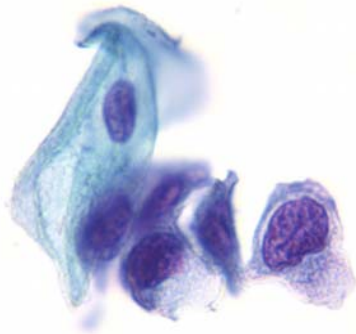


Image 5: HSIL. Small metaplastic cells in a liquid based preparation (LBP) may be overlooked if participants are not experienced in the interpretation of LBP. If overlooked, an automatic failure ensues with PT. (ThinPrep®)

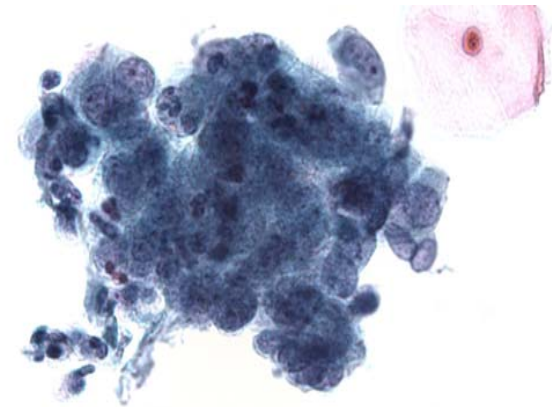


Image 6: HSIL cases with many cells demonstrating nuclear enlargement and coarse chromatin patterns are easily identified. (ThinPrep®)

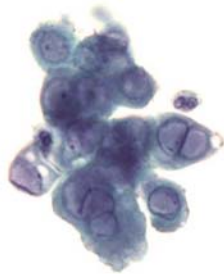


Image 7: Herpes simplex usually performs well in the CAP interlaboratory comparison program, but performance was not as strong in the mock PT. (ThinPrep®)

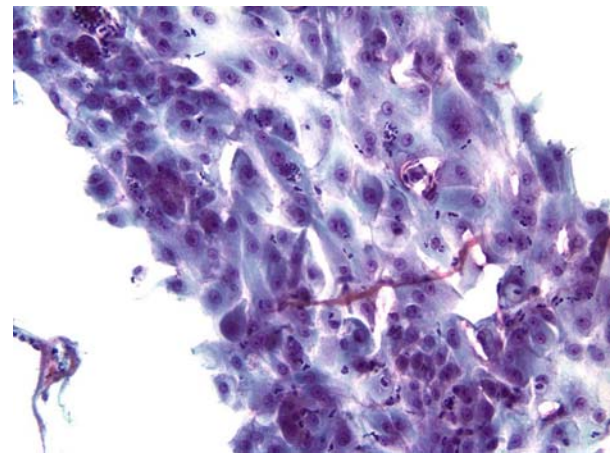


Image 8: Repair is historically difficult to validate and shows low sensitivity in mock PT. (ThinPrep®)

NOTES



Advancing Excellence

College of American Pathologists
325 Waukegan Road
Northfield, Illinois 60093-2750
800-323-4040, 847-832-7000 option 1 #
www.cap.org