



COLLEGE of AMERICAN  
PATHOLOGISTS

Laboratory Quality Solutions

---

## Surveys and Anatomic Pathology Education Programs

### Performance Improvement Program in Surgical Pathology PIP/PIPW-B 2023

Participant Summary

---

This document is available online in e-LAB Solutions Suite.

© 2023 College of American Pathologists. The CAP does not permit reproduction of any substantial portion of the material in this Report without its written authorization. The CAP hereby authorizes participants in the program to use the material in this Report solely for educational purposes within their own institutions. The CAP prohibits use of the material in the Report — and any unauthorized use of the CAP'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 CAP 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 CAP's name or logo in connection with promotional efforts by marketers of laboratory equipment, reagents, materials, or services.

**2023 PIP/PIPW-B  
PARTICIPANT SUMMARY**

---

**Program Update**

This report summarizes the diagnostic responses for set B of the 2023 Performance Improvement Program in Surgical Pathology (PIP & PIPW).

A tabulation of the responses to the supplementary questions is not included since these are intended for educational purposes only.

**SURGICAL PATHOLOGY COMMITTEE**

Raul Gonzalez, MD, FCAP, Chair  
Vinita Parkash, MBBS, MPH, FCAP, Vice Chair

Aaron Auerbach, MD, MPH, FCAP, Advisor	Xiaoyin Jiang, MD, FCAP
Nadine S. Aguilera MD, FCAP	Mitra Mehrad, MD, FCAP
Phyu P. Aung, MD, FCAP	Ekene Okoye MD, FCAP
John M. Carney MD, FCAP	Anwar Sultana Sabiha Raza, MD FCAP
Bonnie Choy, MD, FCAP	Nicole D. Riddle, MD, FCAP
Miriam Conces, MD, FCAP	Lauren Schwartz MD, FCAP
Kossivi Dantey, MD, FCAP	Robert Alan Schwartz, MD, FCAP
Patrick Henn MD, BS, FCAP	Steven S. Shen, MD, PhD, FCAP
Juan C. Hernandez-Prera, MD, FCAP	Sabrina C. Sopha, MD, FCAP
Mojgan Hosseini, MD, FCAP	Sara E. Wobker MD, MPH, FCAP
Taylor McAneney Jenkins, MD, FCAP	Maximillian Weigelt, MD, (Jr. Member)

Case # 2023-11

**Diagnosis**

(5627) Poorly cohesive gastric carcinoma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1934	Extranodal marginal zone lymphoma of mucosa-associated lymphoid tissue (MALT lymphoma)	5	0.1	6	1.3
2883	Gastric carcinoma with lymphoid stroma	39	0.7	19	4.1
1402	Metastatic breast carcinoma	6	0.1	1	0.2
5627	Poorly cohesive gastric carcinoma	5586	98.1	436	93.6
1539	Poorly differentiated neuroendocrine carcinoma	57	1.0	4	0.9

Case # 2023-12

**Diagnosis**

(5837) Osteochondral loose body

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2698	Chondromyxoid fibroma	18	0.3	15	3.3
1047	Chondrosarcoma	39	0.7	38	8.3
5837	Osteochondral loose body	5542	97.4	304	66.5
5838	Osteosarcoma	7	0.1	4	0.9
2034	Synovial chondromatosis	86	1.5	96	21.0

Case # 2023-13

**Diagnosis**

(1587) Epithelioid leiomyosarcoma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1270	Clear cell sarcoma of soft tissue	15	0.3	9	2.0
1587	Epithelioid leiomyosarcoma	5610	98.5	420	93.1
1055	Epithelioid mesothelioma	37	0.7	7	1.6
1901	Gastrointestinal stromal tumor	3	0.1	5	1.1
2316	Perivascular epithelioid cell tumor	25	0.4	10	2.2

<b>Diagnosis</b>					
(5605) Poorly differentiated squamous cell carcinoma					
<b>Code</b>	<b>Diagnosis</b>	<b>PIP Participants</b>		<b>PIPW Participants</b>	
		<b>No.</b>	<b>%</b>	<b>No.</b>	<b>%</b>
2056	Angiosarcoma	2	<0.1	1	0.2
1668	Epithelioid sarcoma	13	0.2	19	4.3
1165	Melanoma	4	0.1	3	0.7
5839	Pleomorphic dermal sarcoma	10	0.2	12	2.7
5605	Poorly differentiated squamous cell carcinoma	5664	99.4	412	92.1

<b>Diagnosis</b>					
(1675) Chronic lymphocytic thyroiditis					
<b>Code</b>	<b>Diagnosis</b>	<b>PIP Participants</b>		<b>PIPW Participants</b>	
		<b>No.</b>	<b>%</b>	<b>No.</b>	<b>%</b>
1675	Chronic lymphocytic thyroiditis	5667	99.4	429	96.8
5840	Infectious thyroiditis	4	0.1	1	0.2
5568	Marginal zone lymphoma	3	0.1	5	1.1
1600	Riedel thyroiditis	2	<0.1	2	0.5
1601	Subacute thyroiditis	14	0.3	6	1.4

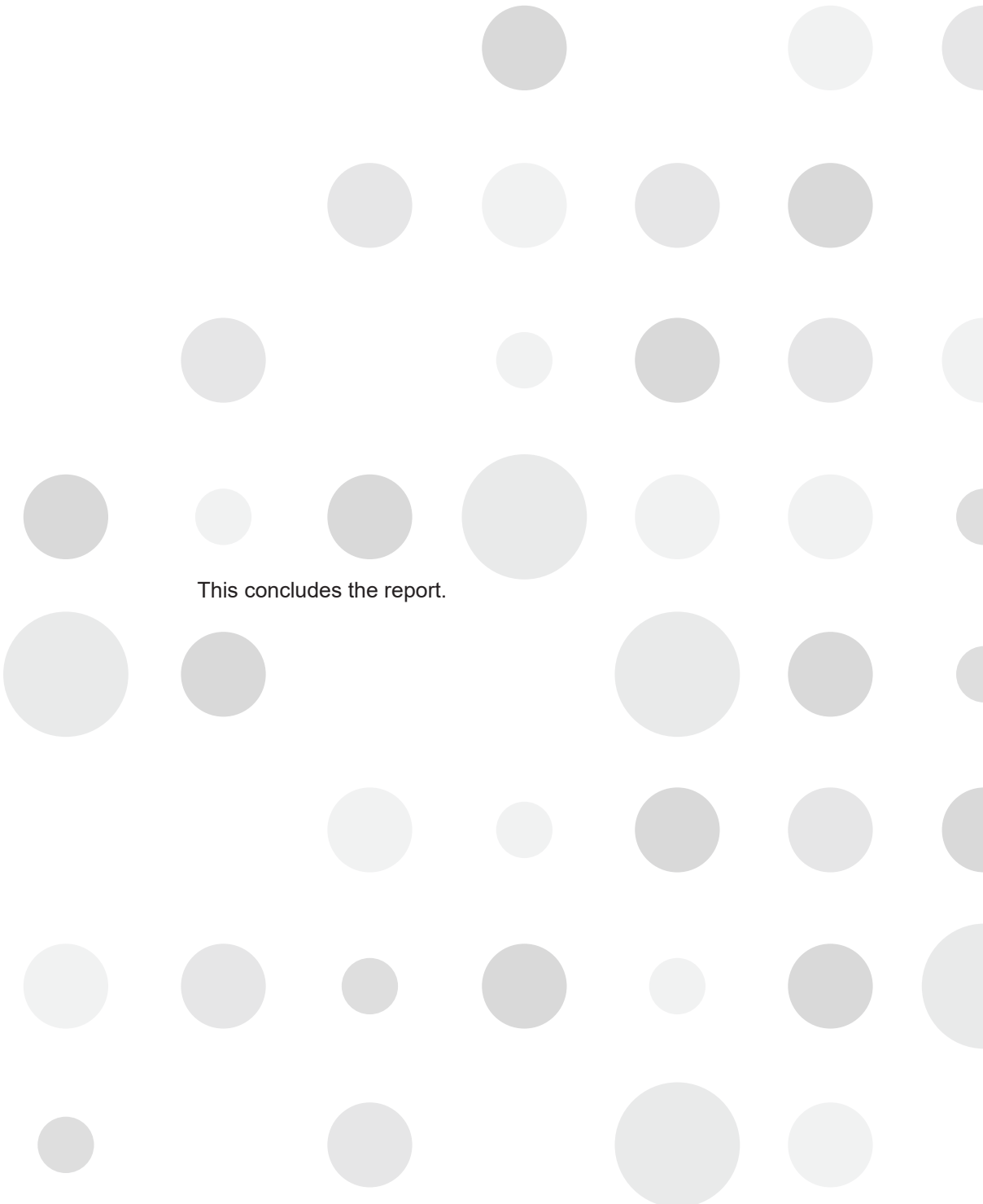
<b>Diagnosis</b>					
(5842) Metastatic signet-ring cell adenocarcinoma of gastrointestinal origin					
<b>Code</b>	<b>Diagnosis</b>	<b>PIP Participants</b>		<b>PIPW Participants</b>	
		<b>No.</b>	<b>%</b>	<b>No.</b>	<b>%</b>
5841	Metastatic appendiceal goblet cell adenocarcinoma	153	2.7	59	13.4
1931	Metastatic adenocarcinoma, HPV-independent, gastric type, of uterine cervix	6	0.1	6	1.4
1972	Metastatic lobular carcinoma of the breast	1	<0.1	2	0.5
5842	Metastatic signet ring cell adenocarcinoma of gastrointestinal origin	5497	96.5	355	80.7
5698	Mucinous carcinoma of the ovary	35	0.6	18	4.1

Case # 2023-17	Diagnosis					
	(5786) Low-grade endometrial stromal sarcoma					
	Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%	
	2841	Cellular leiomyoma	1	<0.1	2	0.5
	2426	Endometrial stromal nodule	106	1.9	59	13.5
	5711	High-grade endometrial stromal sarcoma	37	0.7	22	5.0
	2389	Leiomyosarcoma	4	0.1	1	0.2
	5786	Low-grade endometrial stromal sarcoma	5541	97.1	351	80.3
	5843	NTRK-rearranged spindle cell neoplasm	1	<0.1	2	0.5

Case # 2023-18	Diagnosis					
	(2807) Chorangioma					
	Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%	
	2807	Chorangioma	5572	97.8	393	90.6
	1996	Chorangiomas	30	0.5	18	4.1
	2520	Chorangiomas	83	1.5	16	3.7
	2087	Placental infarct	3	0.1	5	1.2
	5745	Placental mesenchymal dysplasia	3	0.1	2	0.5

Case # 2023-19	Diagnosis					
	(2290) Papillary urothelial carcinoma of the renal pelvis					
	Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%	
	2019	Collecting duct carcinoma	8	0.1	8	1.9
	5844	Metastatic lung squamous cell carcinoma	4	0.1	5	1.2
	1726	Nephrogenic adenoma	1	<0.1	2	0.5
	2290	Papillary urothelial carcinoma of the renal pelvis	5660	99.6	411	95.4
	5631	Renal cell carcinoma, unclassified type	4	0.1	5	1.2

Case # 2023-20	Diagnosis					
	(2022) Xp11 translocation renal cell carcinoma					
	Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%	
	1665	Clear cell renal cell carcinoma	32	0.6	23	5.4
	2605	Epithelioid angiomyolipoma	4	0.1	2	0.5
	1797	Papillary renal cell carcinoma	62	1.1	22	5.1
	5836	Succinate dehydrogenase-deficient renal cell carcinoma	30	0.5	22	5.1
	2022	Xp11 translocation renal cell carcinoma	5549	97.7	360	83.9



This concludes the report.



COLLEGE of AMERICAN  
PATHOLOGISTS

Laboratory Quality Solutions

325 Waukegan Road  
Northfield, IL 60093-2750  
800-323-4040  
847-832-7000 (Country code: 1)