



COLLEGE of AMERICAN  
PATHOLOGISTS

Laboratory Quality Solutions

---

## Surveys and Anatomic Pathology Education Programs

### Performance Improvement Program in Surgical Pathology PIP/PIPW-A 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-A  
PARTICIPANT SUMMARY**

---

**Program Update**

This report summarizes the diagnostic responses for set A 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)

<b>Diagnosis</b>					
<b>(1797) Papillary renal cell carcinoma</b>					
<b>Code</b>	<b>Diagnosis</b>	<b>PIP Participants</b>		<b>PIPW Participants</b>	
		<b>No.</b>	<b>%</b>	<b>No.</b>	<b>%</b>
5818	Clear cell papillary renal cell tumor	71	1.3	7	1.6
1665	Clear cell renal cell carcinoma	21	0.4	5	1.2
1797	Papillary renal cell carcinoma	5489	97.3	402	93.7
5726	Papillary adenoma	46	0.8	10	2.3
1666	Metanephric adenoma	3	0.1	2	0.5
5552	MiT family translocation renal cell carcinomas	3	0.1	3	0.7

<b>Diagnosis</b>					
<b>(1355) Polycystic liver disease</b>					
<b>Code</b>	<b>Diagnosis</b>	<b>PIP Participants</b>		<b>PIPW Participants</b>	
		<b>No.</b>	<b>%</b>	<b>No.</b>	<b>%</b>
1007	Caroli disease	57	1.0	58	14.1
5819	Hydatid cysts	6	0.1	4	1.0
1559	Mucinous cystic neoplasms	6	0.1	3	0.7
1355	Polycystic liver disease	5547	98.5	338	82.4
2171	Simple biliary cysts	18	0.3	7	1.7

<b>Diagnosis</b>					
<b>(5820) Invasive lung adenocarcinoma</b>					
<b>Code</b>	<b>Diagnosis</b>	<b>PIP Participants</b>		<b>PIPW Participants</b>	
		<b>No.</b>	<b>%</b>	<b>No.</b>	<b>%</b>
5820	Invasive lung adenocarcinoma	5626	99.7	393	98.1
1252	Large cell neuroendocrine carcinoma	5	0.1	1	0.2
5821	Metastatic high-grade serous carcinoma of the fallopian tube	1	<0.1	2	0.5
2635	Metastatic papillary renal cell carcinoma	1	<0.1	3	0.7
2314	Squamous cell carcinoma	0	0.0	2	0.5

<b>Diagnosis</b>					
(1674) Metastatic melanoma					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2081	Adult granulosa cell tumor	1	<0.1	1	0.3
2677	Clear cell carcinoma of the ovary	0	0.0	0	0.0
1674	Metastatic melanoma	5623	99.7	389	98.1
2316	Perivascular epithelioid cell tumor (PEComa)	6	<0.1	5	1.3
5694	Small cell carcinoma of the ovary, hypercalcemic type	0	0.0	1	0.3
2546	Steroid cell tumor	4	0.1	0	0.0

<b>Diagnosis</b>					
(1612) Juxta-articular myxoma					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5749	Desmoid-type fibromatosis	21	0.4	15	3.9
1612	Juxta-articular myxoma	5342	94.8	236	60.6
2440	Low-grade fibromyxoid sarcoma	178	3.2	88	22.6
1058	Myxofibrosarcoma	73	1.3	36	9.3
1700	Myxoid liposarcoma	18	0.3	14	3.6

<b>Diagnosis</b>					
(1377) Meningioma					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5822	Intracranial mesenchymal tumor with <i>FET::CREB</i> fusion	4	0.1	3	0.8
5823	Meningeal melanocytoma	6	0.1	5	1.3
1377	Meningioma	5623	99.7	377	97.6
1378	Meningothelial hyperplasia	2	<0.1	1	0.3
2201	Metastatic papillary thyroid carcinoma	0	0.0	0	0.0

<b>Diagnosis</b>					
(2889) Salivary duct carcinoma					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5824	High-grade transformation of acinic cell carcinoma	13	0.2	18	4.7
5825	Metastatic mammary ductal carcinoma	11	0.2	13	3.4
2889	Salivary duct carcinoma	5451	96.8	314	81.0
5826	Salivary gland carcinoma, not otherwise specified	118	2.1	24	6.2
5660	Secretory carcinoma	32	0.6	17	4.4
2314	Squamous cell carcinoma	2	<0.1	1	0.3

<b>Diagnosis</b>					
(5828) Maternal vascular malperfusion					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1143	Acute chorioamnionitis	11	0.2	2	0.5
2807	Chorangioma	57	1.0	43	11.2
5827	Chronic villitis	27	0.5	21	5.5
2375	Fetal vascular malperfusion	232	4.1	60	15.6
5828	Maternal vascular malperfusion	5302	94.2	259	67.3

<b>Diagnosis</b>					
(5835) Hybrid oncocytic renal tumor					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1665	Clear cell renal cell carcinoma	4	0.1	3	0.8
2605	Epithelioid angiomyolipoma	11	0.2	14	3.7
5834	Fumarate hydratase deficient renal cell carcinoma	46	0.8	38	9.9
5835	Hybrid oncocytic renal tumor	5532	98.4	308	80.4
5836	Succinate dehydrogenase-deficient renal cell carcinoma	26	0.5	20	5.2

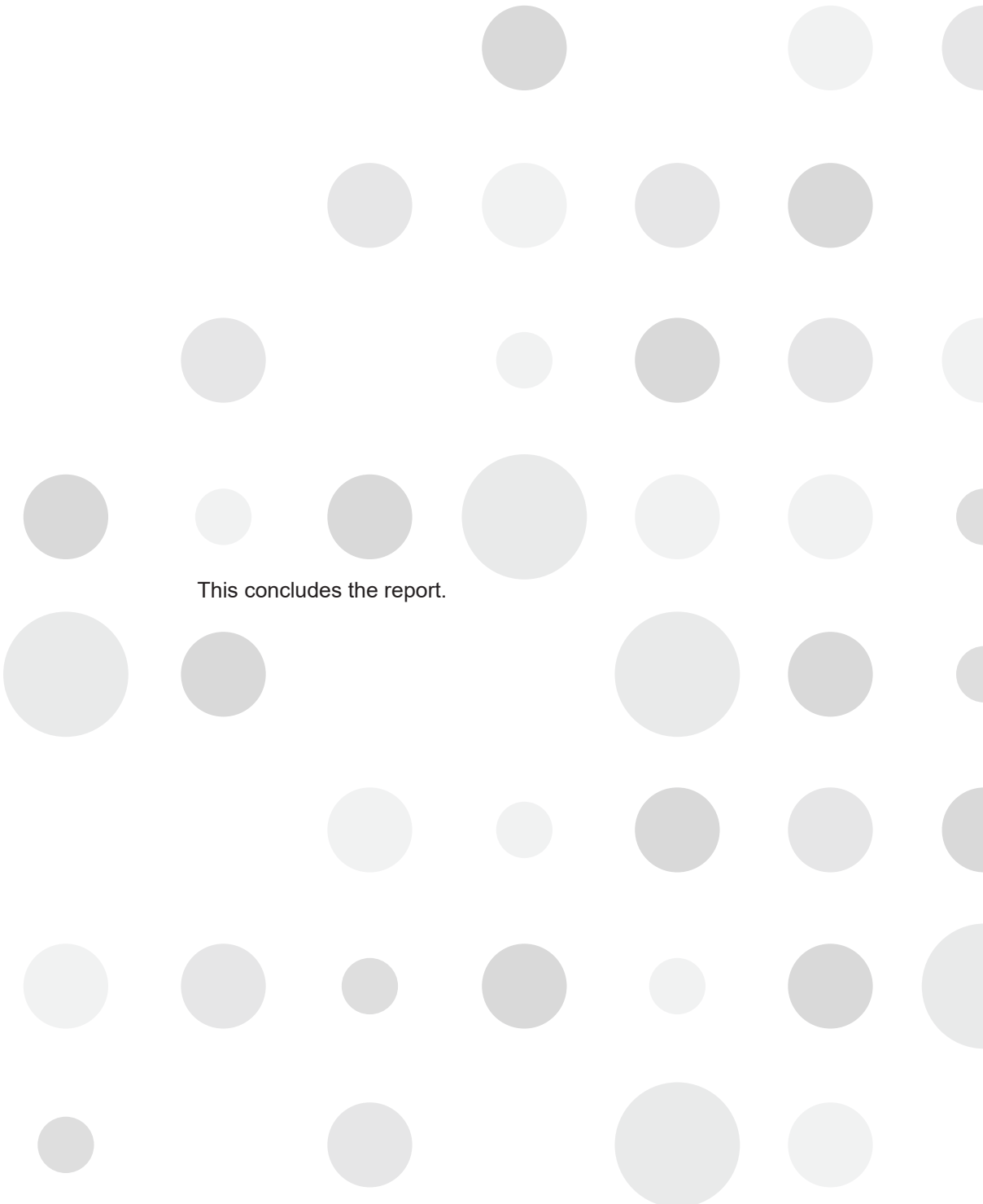
<b>Diagnosis</b>					
(5830) <i>Candida</i> funisitis					
Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5829	<i>Actinomyces</i> funisitis	38	0.7	13	3.4
5830	<i>Candida</i> funisitis	5498	97.7	260	68.4
5831	Herpes simplex virus 2 funisitis	21	0.4	28	7.4
5832	Meconium funisitis	45	0.8	55	14.5
5833	<i>Treponema pallidum</i> funisitis	23	0.4	24	6.3

## NOTES

---

## NOTES

---



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)