



COLLEGE of AMERICAN
PATHOLOGISTS

Surveys and Anatomic Pathology Education Programs

Performance Improvement Program in Surgical Pathology PIP/PIPW-D 2021

Participant Summary

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**2021 PIP/PIPW-D
PARTICIPANT SUMMARY**

Program Update

This report summarizes the diagnostic responses for set D of the 2021 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

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Case # 2021-31

Diagnosis

(2414) Acinar cell carcinoma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2414	Acinar cell carcinoma	6046	99.3	346	89.2
5743	Mixed acinar-neuroendocrine carcinoma	10	0.2	4	1.0
2298	Pancreatic neuroendocrine tumor	13	0.2	14	3.6
2418	Pancreatoblastoma	4	0.1	5	1.3
2300	Solid pseudopapillary neoplasm	13	0.2	19	4.9

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	3159	56.6
002		1022	18.3
003	Satisfactory	1289	23.1
004		99	1.8
005	Unsatisfactory	11	0.2

Case # 2021-32

Diagnosis

(2664) Complete hydatidiform mole

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5744	Abnormal villous morphology associated with trisomy	4	<0.1	5	1.3
2664	Complete hydatidiform mole	6050	99.5	341	90.9
2524	Partial hydatidiform mole	22	0.4	18	4.8
5745	Placental mesenchymal dysplasia	3	<0.1	2	0.5
5746	Spontaneous hydropic abortion	3	<0.1	9	2.4

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	3015	54.4
002		1088	19.6
003	Satisfactory	1305	23.5
004		126	2.3
005	Unsatisfactory	10	0.2

Case # 2021-33

Diagnosis

(2468) Embryonal rhabdomyosarcoma, metastatic

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2136	Desmoplastic small round cell tumor	32	0.5	28	7.7
2468	Embryonal rhabdomyosarcoma, metastatic	6034	99.1	303	82.8
5747	Hepatoblastoma, small cell undifferentiated type	11	0.2	14	3.8
2068	Synovial sarcoma	4	0.1	6	1.6
5748	Wilms tumor, metastatic	8	0.1	15	4.1

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2912	53.0
002		1134	20.7
003	Satisfactory	1321	24.1
004		106	1.9
005	Unsatisfactory	16	0.3

Case # 2021-34

Diagnosis

(5749) Desmoid-type fibromatosis

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2499	Dermatofibrosarcoma protuberans	19	0.3	12	3.3
5749	Desmoid-type fibromatosis	6057	99.5	341	93.9
1361	Epithelioid trophoblastic tumor	0	0.0	5	1.4
2795	Inflammatory myofibroblastic tumor	10	0.2	2	0.6
5750	Keloid	0	0.0	3	0.8

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	3107	58.6
002		913	17.2
003	Satisfactory	1194	22.5
004		72	1.4
005	Unsatisfactory	13	0.3

Case # 2021-35

Diagnosis

(5751) Invasive high-grade urothelial carcinoma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2019	Collecting duct carcinoma	42	0.7	44	12.3
5751	Invasive high-grade urothelial carcinoma	6024	99.0	282	79.0
1849	Medullary carcinoma	8	0.1	7	2.0
5752	Metastatic squamous cell carcinoma	9	0.1	20	5.6
1797	Papillary renal cell carcinoma	4	0.1	4	1.1

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2816	51.6
002		1114	20.4
003	Satisfactory	1392	25.5
004		116	2.1
005	Unsatisfactory	20	0.4

Case # 2021-36

Diagnosis

(5733) High-grade serous carcinoma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5733	High-grade serous carcinoma	6030	99.2	307	86.7
5734	Low-grade serous carcinoma	30	0.5	12	3.4
2414	Metastatic carcinoma of the breast	1	<0.1	4	1.1
5753	Metastatic clear cell carcinoma of the ovary	4	<0.1	7	2.0
5754	Metastatic endometrioid carcinoma of the ovary	17	0.3	24	6.8
5755	Metastatic HPV-related endocervical adenocarcinoma	0	0.0	0	0.0

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2989	54.7
002		1047	19.2
003	Satisfactory	1306	23.9
004		108	2.0
005	Unsatisfactory	13	0.2

Case # 2021-37

Diagnosis

(2352) Oncocytoma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1663	Chromophobe renal cell carcinoma, eosinophilic variant	66	1.1	41	11.6
1665	Clear cell renal cell carcinoma	2	<0.1	5	1.4
5756	Embryonal rhabdomyosarcoma	27	0.4	29	8.2
1538	High-grade B-cell lymphoma with <i>MYC</i> and <i>BCL2</i> rearrangements	40	0.7	15	4.2
2352	Oncocytoma	5942	97.7	260	73.8
2344	Tubulocystic renal cell carcinoma	5	0.1	3	0.8

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2729	50.5
002		1086	20.1
003	Satisfactory	1388	25.7
004		151	2.8
005	Unsatisfactory	51	0.9

Case # 2021-38

Diagnosis

(1649) Solitary fibrous tumor

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5749	Desmoid-type fibromatosis	18	0.3	8	2.3
1441	Mesenchymal chondrosarcoma	1	<0.1	3	0.9
1649	Solitary fibrous tumor	5953	97.8	251	72.1
1753	Spindle cell lipoma, fat poor	97	1.6	68	19.5
2068	Synovial sarcoma	15	0.3	18	5.2

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2649	48.9
002		1088	20.1
003	Satisfactory	1365	25.2
004		170	3.1
005	Unsatisfactory	147	2.7

Case # 2021-39

Diagnosis

(2081) Adult granulosa cell tumor

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2081	Adult granulosa cell tumor	6045	99.4	313	90.4
2690	Endometrioid adenocarcinoma with sex cord-like differentiation	13	0.2	11	3.2
1886	Juvenile granulosa cell tumor	10	0.2	10	2.9
2343	Small cell carcinoma, hypercalcemic type	2	<0.1	1	0.3
2546	Steroid cell tumor	13	0.2	11	3.2

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2671	49.5
002		971	18.0
003	Satisfactory	1388	25.8
004		268	5.0
005	Unsatisfactory	92	1.7

Case # 2021-40

Diagnosis

(2716) Diffuse large B-cell lymphoma, not otherwise specified

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2268	Classic Hodgkin lymphoma	9	0.1	4	1.1
2716	Diffuse large B-cell lymphoma, not otherwise specified	5961	98.4	294	86.0
5757	EBV-positive diffuse large B cell lymphoma, not otherwise specified	52	0.9	3	0.9
5758	High-grade B-cell lymphoma with MYC and BCL2 and/or BCL6 rearrangement	37	0.6	39	11.4
2476	Metastatic carcinoma	1	<0.1	2	0.6

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2937	54.5
002		1046	19.4
003	Satisfactory	1292	23.9
004		110	2.0
005	Unsatisfactory	13	0.2

The CAP Surgical Pathology Committee relies on the donations of tissue blocks to sustain the PIP glass slide Proficiency Testing Survey and greatly appreciates and thanks all who have donated tissue blocks for use in the PIP Surveys. At the end of each year, case donors who submitted cases during the year will be listed in the PIP-D PSR by individual or institution. Due to patient confidentiality, individual cases will not be listed by institution.

The CAP Surgical Pathology Committee would like to thank the following individual or institution for its generous donations of tissue blocks in 2021 for use in PIP Proficiency Testing Surveys:

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This concludes the report.



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