



COLLEGE of AMERICAN
PATHOLOGISTS

Surveys and Anatomic Pathology Education Programs

Performance Improvement Program in Surgical Pathology PIP/PIPW-D 2019

Participant Summary

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**2019 PIP/PIPW-D
PARTICIPANT SUMMARY**

Program Update

This report summarizes the diagnostic responses for set D of the 2019 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 # 2019-31

Diagnosis

(1985) Cardiac amyloidosis

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1985	Cardiac amyloidosis	6243	98.6	142	78.5
5640	Cardiac sarcoidosis	45	0.7	1	0.6
5641	Hypertrophic cardiomyopathy	5	0.1	2	1.1
5642	Loeffler endomyocardial fibrosis	33	0.5	30	16.6
5666	Myocardial infarction	4	0.1	6	3.3

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	3145	54.2
002		1166	20.1
003	Satisfactory	1388	23.9
004		98	1.7
005	Unsatisfactory	10	0.2

Case # 2019-32

Diagnosis

(5624) Metaplastic carcinoma with mesenchymal differentiation

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1194	Chondroblastic osteosarcoma	23	0.4	6	3.4
5624	Metaplastic carcinoma with mesenchymal differentiation	6290	99.4	163	92.1
1960	Nodular fasciitis	1	<0.1	0	0.0
5625	Phyllodes tumor, malignant	10	0.1	7	4.0
1812	Pleomorphic adenoma	7	0.1	1	0.6

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2993	52.0
002		1216	21.0
003	Satisfactory	1415	24.5
004		131	2.3
005	Unsatisfactory	10	0.2

Case # 2019-33

Diagnosis

(5627) Poorly cohesive gastric carcinoma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2454	Diffuse large B-cell lymphoma	8	0.1	2	1.2
5626	Malignant gastrointestinal neuroectodermal tumor	16	0.3	12	6.9
1972	Metastatic lobular carcinoma of the breast	21	0.3	5	2.9
5627	Poorly cohesive gastric carcinoma	6285	99.3	153	88.4
2681	Xanthoma	1	<0.1	1	0.6

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2728	48.0
002		1270	22.4
003	Satisfactory	1475	26.0
004		191	3.4
005	Unsatisfactory	19	0.3

Case # 2019-34

Diagnosis

(5628) Splenic diffuse red pulp B-cell lymphoma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2823	Chronic lymphocytic leukemia/small lymphocytic lymphoma	14	0.2	2	1.2
1800	Follicular lymphoma	1	<0.1	1	0.6
1630	Hairy cell leukemia	90	1.4	24	14.4
2334	Mantle cell lymphoma	12	0.2	3	1.8
5628	Splenic diffuse red pulp B-cell lymphoma	6005	94.9	88	52.7
1990	Splenic marginal zone lymphoma	207	3.3	49	29.3

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2829	49.7
002		1294	22.8
003	Satisfactory	1441	25.3
004		118	2.1
005	Unsatisfactory	7	0.1

Case # 2019-35

Diagnosis

(1732) Steatohepatitis

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1771	Alpha-1-antitrypsin deficiency	119	1.9	28	17.2
5643	Antimitochondrial antibody-negative primary biliary cholangitis	102	1.6	28	17.2
1763	Autoimmune hepatitis	76	1.2	37	22.7
1777	Hepatolenticular degeneration (Wilson disease)	66	1.0	22	13.5
5644	Sepsis	10	0.2	1	0.6
1732	Steatohepatitis	5949	94.1	47	28.8

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2795	49.0
002		1256	22.0
003	Satisfactory	1467	25.7
004		157	2.8
005	Unsatisfactory	29	0.5

Case # 2019-36

Diagnosis

(5548) Pulmonary sarcoidosis

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1002	Aspiration pneumonia	2	<0.1	1	0.6
5645	Berylliosis	3	<0.1	6	3.7
5646	Chronic hypersensitivity pneumonitis	58	0.9	22	13.5
5647	Infectious granulomatosis	2	<0.1	1	0.6
5648	Pulmonary sarcoidosis	6250	98.8	125	76.7
5649	Talc granulomatosis	11	0.2	8	4.9

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2914	51.1
002		1202	21.1
003	Satisfactory	1432	25.1
004		146	2.6
005	Unsatisfactory	11	0.2

Case # 2019-37

Diagnosis

(1712) Carcinoid tumor

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2081	Adult granulosa cell tumor	32	0.5	19	11.8
1711	Brenner tumor	13	0.2	6	3.7
1712	Carcinoid tumor	6268	99.1	133	82.6
2070	Endometrioid carcinoma	4	0.1	0	0.0
5629	Mesonephric carcinoma	2	<0.1	1	0.6
2341	Sertoli cell tumor	8	0.1	2	1.2

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	3137	55.0
002		1111	19.5
003	Satisfactory	1345	23.6
004		99	1.7
005	Unsatisfactory	9	0.2

Case # 2019-38

Diagnosis

(5632) Urothelial carcinoma, invasive

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2019	Collecting duct carcinoma	73	1.2	44	27.5
2476	Metastatic carcinoma	13	0.2	7	4.4
5631	Renal cell carcinoma, unclassified	17	0.3	10	6.3
5632	Urothelial carcinoma, invasive	6179	97.7	93	58.1
5633	Urothelial carcinoma with inverted growth pattern	42	0.7	6	3.8

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2954	51.7
002		1228	21.5
003	Satisfactory	1410	24.7
004		116	2.0
005	Unsatisfactory	4	0.3

Case # 2019-39

Diagnosis

(2443) Lipoma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5634	Atypical lipomatous tumor/well-differentiated liposarcoma	73	1.2	55	34.4
1257	Fat necrosis	8	0.1	1	0.6
1799	Hibernoma	5	0.1	1	0.6
2443	Lipoma	6157	97.8	96	60.0
5635	Normal fat	45	0.7	5	3.1
1753	Spindle cell lipoma	9	0.1	2	1.3

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2504	44.5
002		1061	18.9
003	Satisfactory	1471	26.2
004		352	6.3
005	Unsatisfactory	231	4.1

Case # 2019-40

Diagnosis

(5636) Diffuse large B-cell lymphoma, germinal center B-cell subtype

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2453	Burkitt lymphoma	24	0.4	7	4.3
5636	Diffuse large B-cell lymphoma, germinal center B-cell subtype	6069	96.0	110	67.9
5637	Diffuse large B-cell lymphoma, non-germinal center subtype	151	2.4	16	9.9
5638	High grade B-cell lymphoma, with <i>MYC</i> and <i>BCL2</i> and/or <i>BCL6</i> gene rearrangements	17	0.3	7	4.3
5639	Large B-cell lymphoma with <i>IRF4</i> rearrangement	9	0.1	1	0.6
2844	T-cell/histiocyte-rich large B-cell lymphoma	50	0.8	21	13.0

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2894	51.2
002		1223	21.7
003	Satisfactory	1409	25.0
004		105	1.9
005	Unsatisfactory	9	0.2



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