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PATHOLOGISTS

Laboratory Quality Solutions

Surveys and Anatomic Pathology Education Programs

Performance Improvement Program in Surgical Pathology PIP/PIPW-A 2022

Participant Summary

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**2022 PIP/PIPW-A
PARTICIPANT SUMMARY**

Program Update

This report summarizes the diagnostic responses for set A of the 2022 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 # 2022-01

Diagnosis

(1632) Adrenal cortical carcinoma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1891	Adrenal cortical adenoma	644	10.9	12	3.1
1632	Adrenal cortical carcinoma	5231	88.6	338	87.6
1984	Chromophobe renal cell carcinoma	4	0.1	2	0.5
2485	Hepatocellular carcinoma	1	<0.1	6	1.6
1185	Melanoma	4	0.1	5	1.3
2250	Neuroendocrine carcinoma	2	<0.1	2	0.5
2246	Pheochromocytoma	9	0.1	21	5.4

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2915	55.4
002		969	18.4
003	Satisfactory	1266	24.0
004		106	2.0
005	Unsatisfactory	10	0.2

Case # 2022-02

Diagnosis

(5759) Micronodular thymoma with lymphoid stroma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5759	Micronodular thymoma with lymphoid stroma	5829	99.0	308	85.8
5760	Non-necrotizing granulomatous inflammation	12	0.2	0	0.0
2383	Seminoma	1	<0.1	4	1.1
5761	Typical carcinoid tumor	0	0.0	1	0.3
2385	Thymic carcinoma	37	0.6	43	12.0
2069	Thymic follicular hyperplasia	12	0.2	3	0.8

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2956	57.0
002		912	17.6
003	Satisfactory	1205	23.3
004		92	1.8
005	Unsatisfactory	13	0.3

Case # 2022-03

Diagnosis

(5763) Gliomatosis peritonei

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5762	Ectopic decidua	3	0.1	2	0.6
5763	Gliomatosis peritonei	5848	99.1	318	90.6
5764	Leiomyomatosis peritonealis disseminata	18	0.3	5	1.4
2429	Low-grade endometrioid stromal sarcoma	2	<0.1	3	0.8
5765	Metastatic immature teratoma	23	0.4	23	6.6

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2879	55.5
002		958	18.5
003	Satisfactory	1223	23.6
004		103	2.0
005	Unsatisfactory	21	0.4

Case # 2022-04

Diagnosis

(1901) Gastrointestinal stromal tumor

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
2302	Desmoid fibromatosis	1	<0.1	0	0.0
1901	Gastrointestinal stromal tumor	5885	99.7	337	99.1
2351	Inflammatory fibroid polyp	0	0.0	0	0.0
2795	Inflammatory myofibroblastic tumor	2	<0.1	3	0.9
1646	Leiomyoma	1	<0.1	0	0.0
1780	Schwannoma	0	0.0	0	0.0

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2820	54.6
002		944	18.2
003	Satisfactory	1270	24.5
004		131	2.5
005	Unsatisfactory	12	0.2

Diagnosis

(2543) Hypertrophic cardiomyopathy

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1985	Cardiac amyloidosis	25	0.4	19	5.6
2909	Fabry disease	9	0.1	11	3.3
3051	Hypertensive heart disease	54	0.9	4	1.2
2543	Hypertrophic cardiomyopathy	5797	98.4	289	85.5
5766	Physiologic hypertrophy (athlete's heart)	11	0.2	15	4.4

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2803	54.5
002		974	18.9
003	Satisfactory	1233	24.0
004		113	2.2
005	Unsatisfactory	17	0.3

Diagnosis

(2551) Elastofibroma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5767	Amyloidoma	4	0.1	1	0.3
5749	Desmoid-type fibromatosis	22	0.4	13	3.9
2551	Elastofibroma	5848	99.2	305	91.0
1961	Nuchal-type/Gardner fibroma	5	0.1	8	2.4
1753	Spindle cell lipoma	15	0.3	8	2.4

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2842	55.3
002		967	18.8
003	Satisfactory	1232	24.0
004		84	1.6
005	Unsatisfactory	14	0.3

Case # 2022-07

Diagnosis

(5769) High-grade myxofibrosarcoma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
5768	Cellular myxoma	11	0.2	7	2.1
1283	Dedifferentiated liposarcoma	51	0.9	47	14.2
5769	High-grade myxofibrosarcoma	5709	96.9	244	73.7
3023	Myxoinflammatory fibroblastic sarcoma	120	2.0	33	10.0

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2865	55.8
002		987	19.2
003	Satisfactory	1180	23.0
004		94	1.8
005	Unsatisfactory	9	0.2

Case # 2022-08

Diagnosis

(1990) Splenic marginal zone lymphoma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1800	Follicular lymphoma	4	0.1	3	0.9
1630	Hairy cell leukemia	41	0.7	51	15.5
1809	Lymphoplasmacytic lymphoma	12	0.2	6	1.8
2334	Mantle cell lymphoma	18	0.3	5	1.5
2411	Small lymphocytic lymphoma/chronic lymphocytic leukemia	6	0.1	2	0.6
5628	Splenic diffuse red pulp B-cell lymphoma	67	0.1	20	6.1
1990	Splenic marginal zone lymphoma	5746	97.5	242	73.6

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2451	47.2
002		1014	19.6
003	Satisfactory	1385	26.8
004		282	5.5
005	Unsatisfactory	45	0.9

Case # 2022-09

Diagnosis

(5771) Sacrococcygeal immature teratoma

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1942	Chordoma	20	0.3	25	7.7
5662	Nephroblastoma	3	0.1	3	0.9
1012	Neuroblastoma	15	0.3	8	2.5
5770	Retrorectal tailgut duplication cyst	7	0.1	6	1.8
5771	Sacrococcygeal immature teratoma	5836	99.2	283	87.1

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2671	53.9
002		881	17.8
003	Satisfactory	1254	25.3
004		104	2.1
005	Unsatisfactory	46	0.9

Case # 2022-10

Diagnosis

(5772) Cytomegalovirus placentitis

Code	Diagnosis	PIP Participants		PIPW Participants	
		No.	%	No.	%
1143	Acute chorioamnionitis	7	0.1	3	0.9
2606	Chronic villitis of unknown etiology	70	1.2	22	6.8
5772	Cytomegalovirus placentitis	5793	98.3	287	88.9
1623	Herpetic placentitis	19	0.3	7	2.2
5773	Listeria placentitis	7	0.1	4	1.2

Technical Quality of Slide

Rating	Glass Slide Evaluation	PIP Participants	
		No.	%
001	Excellent	2412	48.7
002		975	19.7
003	Satisfactory	1328	26.8
004		175	3.5
005	Unsatisfactory	66	1.3

This concludes the report.



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