

ref	Code	Case	Diagnosis	Comment	Score
3198	109	AP277	Haemangiopericytoma. (100%)	CD34 positive, EMA negative	100
3345	222	AP277	Atypical SFT	nil	80
3261	246	AP277	Haemangiopericytoma. 100%	To be confirmed by CD34, CD99.	100
3359	333	AP277	Hemangiopericytoma	nil	100
3207	338	AP277	Hemangiopericytoma.	Reticulin highlights dense pericellular reticulin. CD34+ and CD31 highlights vessels.	100
3191	369	AP277	Solitary fibrous tumor/hemangiopericytoma.(100%)	Do CD34 stain to help in diagnosis of solitary fibrous tumor.	100
3100	448	AP277	Right temporal brain tumour - haemangiopericytoma 100%	nil	100
3279	515	AP277	Hemangiopericytoma >90%, Differential diagnoses: Solitary fibrous tumor (<10%), synovial sarcoma, monophasic (<10%)	More sampling of tumor to see any other patterns. Immunostaining for CD34 (SFT usually positive), cytokeratin and EMA (positive in synovial sarcoma)	100
3245	517	AP277	Haemangiopericytoma. 100%.	nil	100
3311	530	AP277	Anaplastic hemangiopericytoma, WHO grade III.	nil	90
3144	663	AP277	BRAIN, right temporal tumour - HEMANGIOPERICYTOMA	nil	100
3325	762	AP277	Anaplastic hemangiopericytoma (100%)	nil	90
3218	763	AP277	Hemangiopericytoma of meninges	nil	100
3295	794	AP277	hemangiopericytoma (100%)	nil	100
3133	873	AP277	Favour high grade tumour with necrosis, ddx: hemangiopericytoma, sarcoma	nil	50
3164	911	AP277	Hemangiopericytoma.	nil	100

3202	109	AP278	Subependymoma. (100%)	nil	100
3347	222	AP278	subependymoma	nil	100
3348	222	AP278	subependymoma	nil	100
3262	246	AP278	Subependymoma. 100%	nil	100
3360	333	AP278	Subependymoma	nil	100
3211	338	AP278	Subependymoma.	nil	100
3178	369	AP278	Subependymoma.(100%)	nil	100
3101	448	AP278	Intraventricular brain tumour - subependymoma 100%	nil	100
3280	515	AP278	Subependymoma. 100%	nil	100
3246	517	AP278	Subependymoma. 100%	nil	100
3312	530	AP278	Subependymoma.	nil	100
3155	663	AP278	BRAIN, intraventricular tumour - SUBEPENDYMOMA.	nil	100
3326	762	AP278	Subependymoma (100%)	nil	100
3219	763	AP278	Subependymoma	nil	100
3296	794	AP278	subependymoma (100%)	nil	100
3134	873	AP278	Subependymoma (100% Probability)	nil	100
3165	911	AP278	Subependymoma.	nil	100
3204	109	AP279	Meningioma (100%), consistent with primary cutaneous meningioma, need to rule out intracranial tumour.	nil	100
3349	222	AP279	meningioma	nil	100
3263	246	AP279	Meningioma. 100%	nil	100

3361	333	AP279	Meningioma (extracranial)	Confirm by immunohistochemical stain for epithelial membrane antigen	100
3221	338	AP279	Extracranial meningioma. 100%	To exclude a primary intracranial meningioma clinically. To confirm dx by EMA+. Other stains eg. actin, S100, CK to exclude other soft tissue tumors.	100
3180	369	AP279	Ectopic meningioma.(100%)	Do EMA stain.	100
3102	448	AP279	Post-auricular mass - Ectopic meningioma 100%	nil	100
3281	515	AP279	Extra-cranial meningioma. 100%	Immunostaining for EMA (positive).	100
3247	517	AP279	Benign spindle cell neoplasm. 100%. Differential diagnoses include plexiform schwannoma and meningioma.	Immunohistochemical studies, including S-100 and EMA, are needed.	80
3313	530	AP279	Invasive meningioma.	nil	100
3152	663	AP279	Extracranial meningioma	nil	100
3327	762	AP279	Meningioma (100%)	nil	100
3220	763	AP279	Soft tissue meningioma	nil	100
3297	794	AP279	cutaneous meningioma (100%)	nil	100
3135	873	AP279	Ectopic meningioma, perform EMA (100% Probability)	nil	100
3166	911	AP279	Extracranial meningioma.	nil	100
3206	109	AP280	Intraductal papilloma with florid epitheliosis. (100%)	nil	100
3350	222	AP280	peripheral intraductal papilloma	nil	100

3264	246	AP280	Intraductal papilloma with florid epithelial hyperplasia. 100%	nil	100
3362	333	AP280	Intraductal papilloma with epitheliosis	nil	100
3227	338	AP280	Florid epitheliosis on intraduct papilloma. 100%	DDX is atypical ductal hyperplasia. use p63 to highlight the underlying myoepithelial cell architecture of intraduct papilloma. For florid epitheliosis (usual ductal hyperplasia), ER staining will be heterogenous and CK5/6 will be preserved.	100
3181	369	AP280	Papilloma with florid epithelial hyperplasia.(100%)	nil	100
3103	448	AP280	Right breast mass - Intraductal papilloma 100%	Nil	100
3282	515	AP280	Intraductal papilloma with epitheliosis. 100%	Immunostaining for smooth muscle actin and p63 highlights an intact myoepithelial layer.	100
3248	517	AP280	Ductal hyperplasia, probably in an intraductal papilloma. 100%.	nil	100
3314	530	AP280	Atypical papilloma. Ductal carcinoma in-situ to be excluded.	nil	50
3142	663	AP280	Right BREAST mass, core biopsy:- Papillary neoplasm, best fit with INTRADUCTAL PAPILLOMA with epithelial hyperplasia.	nil	100
3331	762	AP280	Papillary lesion, suggestive of intraductal papilloma with hyperplasia. (Please see comment)	Do a p63 stain to confirm the presence of myoepithelial layer. Do Estrogen receptor and CK14 to exclude papillary ductal carcinoma in-situ.	100
3222	763	AP280	Intraductal papillary neoplasm	Advise complete excision	50

3298	794	AP280	ductal papilloma with florid epithelial hyperplasia (100%)	nil	100
3136	873	AP280	Usual ductal hyperplasia (100% Probability)	nil	100
3167	911	AP280	Intraduct papilloma with usual ductal hyperplasia.	nil	100
3215	109	AP281	Invasive micropapillary carcinoma. (100%)	nil	100
3352	222	AP281	micropapillary carcinoma	nil	100
3266	246	AP281	Invasive micropapillary carcinoma. 100%	nil	100
3265	246	AP281	Invasive micropapillary carcinoma. 100%	nil	100
3363	333	AP281	Invasive micropapillary carcinoma	nil	100
3229	338	AP281	Invasive micropapillary carcinoma	nil	100
3182	369	AP281	Invasive micropapillary carcinoma of breast.(100%)	nil	100
3104	448	AP281	Left breast mass - Invasive micropapillary carcinoma 100%	nil	100
3283	515	AP281	Invasive micropapillary carcinoma. 100%	nil	100
3249	517	AP281	Invasive micropapillary carcinoma. 100%.	nil	100
3315	530	AP281	Invasive micropapillary carcinoma.	nil	100
3117	663	AP281	BREAST, left mass, excision - INVASIVE MICROPAPILLARY CARCINOMA	nil	100
3328	762	AP281	Invasive micropapillary carcinoma. (100%)	nil	100
3223	763	AP281	Micropapillary carcinoma	nil	100
3299	794	AP281	invasive micropapillary carcinoma (100%)	nil	100
3137	873	AP281	Invasive micropapillary carcinoma (100% Probability)	nil	100
3235	911	AP281	Invasive micropapillary carcinoma (90%). Differential diagnosis includes metastatic ovarian papillary serous carcinoma (10%).	Immunostaining for WT-1, GCDFP-15 and EMA to help establish the	100

				diagnosis.	
3228	109	AP282	Malignant small round cell tumour. (100%). Differential diagnoses include small cell carcinoma, Merkel cell carcinoma and hematolymphoid malignancy.	Immunostains for CK, CK20, synaptophysin, B & T-cell markers, TdT.	100
3354	222	AP282	small cell carcinoma	nil	100
3267	246	AP282	Neuroendocrine carcinoma (grade 3, W.H.O.) 90%. Poorly differentiated carcinoma, high grade. 10%	To be confirmed by immunohistochemical stains for synaptophysin, chromogranin, CD56, cytokeratin.	100
3364	333	AP282	Small cell carcinoma	nil	100
3231	338	AP282	Small cell carcinoma.	Confirm by chromogranin+, synaptophysin+, CK+ (perinuclear dots), LCA-.	100
3183	369	AP282	Small cell neuroendocrine carcinoma.(100%)	nil	100
3105	448	AP282	Anal polyp - Carcinoma 100% (favor small cell CA/neuroendocrine carcinoma)	Immunostains with keratin and neuroendocrine markers for confirmation	100
3284	515	AP282	Neuroendocrine carcinoma 90%, malignant melanoma 10%	Immunostaining for neuroendocrine markers (synaptophysin, chromogranin) positive for neuroendocrine carcinoma), S-100 protein and HMB45 (positive for malignant melanoma).	100
3250	517	AP282	Poorly differentiated neuroendocrine carcinoma. 100%.	Differential diagnoses include other poorly differentiated carcinoma and high	100

				grade lymphoma. Immunohistochemical studies, including epithelial markers (like Cam 5.2), chromogranin, synaptophysin, NSE, etc, are advised to confirm the diagnosis. LCA may help to exclude a high grade lymphoma.	
3316	530	AP282	Neuroendocrine carcinoma, small cell type.	nil	100
3147	663	AP282	ANUS - SMALL CELL (NEUROENDOCRINE) CARCINOMA	nil	100
3334	762	AP282	Malignant tumor, in favor of neuroendocrine carcinoma. (Please see comment for differential diagnosis)	Differential diagnosis includes hematolymphoid malignancy, small cell variant of malignant melanoma and Ewing sarcoma/PNET. A panel of immunohistochemical stains is needed for definitive diagnosis. They include AE11/3, synaptophysin, chromogranin, leucocyte common antigen, MPO, HMB45, S-100, CD99 and FLi1 stain.	100
3224	763	AP282	Poorly differentiated neuroendocrine carcinoma (small cell type)	nil	100
3300	794	AP282	small cell carcinoma (100%)	nil	100
3138	873	AP282	Small round cell tumour , favour poorly differentiated carcinoma, need to rule out neuroendocrine carcinoma, perform chromogranin,	nil	100

			synaptophysin, CD56 (100% Probability)		
3236	911	AP282	Malignant small round cell tumour, favour small cell carcinoma (80%). Differential diagnoses include Merkel cell carcinoma (10%) and malignant melanoma (10%).	Immunostaining for cytokeratin, neuroendocrine markers (synaptophysin, chromogranin), CK20 and S-100 protein to help establish the diagnosis.	100
3230	109	AP283	Amoebic colitis (100%)	nil	100
3355	222	AP283	Ameba	nil	100
3268	246	AP283	Amoebic colitis. 100%	PAS stain.	100
3365	333	AP283	Amoebic colitis	nil	100
3232	338	AP283	Amoebic colitis.	nil	100
3185	369	AP283	Amebiasis.(100%)	nil	100
3106	448	AP283	Ascending colon biopsy - amoebiasis 100%	nil	100
3285	515	AP283	Amoebiasis, with reactive glandular changes. 100%	PAS stain highlights amoeba.	100
3251	517	AP283	Amoebiasis. 100%.	nil	100
3317	530	AP283	Amebiasis.	nil	100
3149	663	AP283	Ascending COLON, biopsy - AMEBIASIS.	nil	100
3329	762	AP283	Amebic colitis.(100%)	nil	100
3225	763	AP283	Amoebic colitis	nil	100
3301	794	AP283	amoebiasis (100%)	nil	100
3139	873	AP283	Amoebic colitis (100% Probability)	nil	100
3168	911	AP283	Amoebiasis.	nil	100

3233	109	AP284	Serous microcystic cystadenoma. (100%)	nil	95
3357	222	AP284	serous cystic neoplasm of the pancreas	nil	85
3269	246	AP284	Serous cystadenoma. 100%	nil	95
3366	333	AP284	Serous cystadenoma	nil	95
3234	338	AP284	Serous cystadenoma (microcystic adenoma)	nil	95
3187	369	AP284	Serous cystadenoma.(100%)	nil	95
3107	448	AP284	Pancreas head - serous cystadenoma (microcystic adenoma) 100%	nil	95
3286	515	AP284	Microcystic adenoma 100%	PAS and PASD highlights presence of glycogen.	95
3252	517	AP284	Serous cystadenoma. 100%	nil	95
3318	530	AP284	Serous cystadenoma, microcystic type.	nil	95
3154	663	AP284	PANCREAS - SEROUS MICROCYSTIC ADENOMA.	nil	95
3330	762	AP284	Serous cystic neoplasm, consistent with serous cystadenoma. (100%)	More sampling to exclude invasion.	95
3226	763	AP284	Serous microcystic adenoma	nil	95
3302	794	AP284	serous cystadenoma (100%)	nil	95
3140	873	AP284	Serous microcystic adenoma (100% Probability)	nil	95
3169	911	AP284	Microcystic serous cystadenoma.	nil	95