

Supplementary table. Detailed list of system wise arranged category 1 diagnostic discrepancies

Serial No.	Biopsy site	Outside diagnosis	In house diagnosis	No. of cases
Haemato-lymphoid system				
1	Lymph node	Mantle cell lymphoma	Nodal marginal zone lymphoma	1
2	Lymph node	Diffuse large B cell lymphoma	Mantle cell lymphoma	1
3	Lymph node	Plasmablastic lymphoma	Involved by myeloma	1
4	bone marrow	Acute myeloid leukaemia	Myelodysplastic syndrome with excess blast	1
5	Lymph node	Non-Hodgkin lymphoma	Metastatic small cell carcinoma	1
6	Lymph node	Nodular lymphocyte predominant hodgkin lymphoma	Classical Hodgkin lymphoma	1
7	Lymph node	Rhabdoid tumour	Anaplastic large cell lymphoma	1
8	Lymph node	Non-Hodgkin lymphoma	Melanoma metastasis	1
9	bone marrow	Chronic lymphocytic leukaemia	Acute leukaemia	1
10	Lymph node	Hodgkin lymphoma	Angio-immunoblastic T cell lymphoma	1
11	retroperitoneal lymph node mass	Lymphoma	Plasmacytoma	1
Head-neck				
1	Buccal Mucosa	Squamous cell carcinoma	no malignancy	2
2	Buccal Mucosa	Verrucous carcinoma	Moderately differentiated squamous cell carcinoma	1
3	Buccal Mucosa	Low grade mucoepidermoid carcinoma	Pleomorphic salivary adenoma	1
4	Tonsil	Squamous cell carcinoma	necroinflammatory slough	3
5	neck cyst	Squamous cell carcinoma	Keratoacanthoma	1
6	AlveoloBuccal complex	Squamous cell carcinoma	Ameloblastoma	1
7	Alveolus	Plasmablastic lymphoma	Myeloma	1
8	neck mass	Anaplastic large cell lymphoma	Metastatic squamous cell carcinoma	1
9	nasal mass	Follicular lymphoma	Maltoma	1
10	nasal mass	Round cell sarcoma	Extranodal T NK cell lymphoma	1
11	nasal mass	Sinonasal adenocarcinoma	Teratocarcinosarcoma	1
12	nasal mass	Poorly differentiated adenocarcinoma	Sebaceous carcinoma	1
13	nasal mass	Nasopharyngeal carcinoma	Sino-nasal undifferentiated carcinoma	1
14	salivary FNAC	Mucoepidermoid carcinoma	Pleomorphic salivary adenoma	1
15	nasal mass	Small cell carcinoma	Chronic inflammation	1
Endocrine system				
1	Thyroid FNAC	Follicular neoplasm	Suspicious of papillary carcinoma	1
2	Thyroid FNAC	Follicular neoplasm	Papillary carcinoma	1
3	Thyroid FNAC	Atypia of undetermined Significance	Papillary carcinoma	1
4	Thyroid FNAC	Adenomatoid goitre	Atypia of undetermined significance	2
5	Thyroid FNAC	medullary carcinoma	Papillary carcinoma	1
6	Thyroid FNAC	Papillary carcinoma	follicular neoplasm	1
7	Thyroid FNAC	suspicious of papillary carcinoma	Atypia of undetermined significance	1
8	Thyroid (resection)	Encapsulated follicular variant of papillary thyroid carcinoma	Well differentiated tumour of uncertain malignant potential	1
9	Adrenal	Phaeochromocytoma	Adrenocortical carcinoma	1

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Serial No.	Biopsy site	Outside diagnosis	In house diagnosis	No. of cases
Gastro-intestinal tract				
1	esophagus	Adenocarcinoma	No malignancy	1
2	esophagus	Squamous cell carcinoma	Adenosquamous carcinoma	1
3	esophagus	Squamous cell carcinoma	Adenocarcinoma	2
4	esophagus	Adenocarcinoma	Squamous cell carcinoma	1
5	Gall Bladder	Chronic cholecystitis	Adenocarcinoma	2
6	Gall Bladder	primary adenocarcinoma	Metastatic deposit of adenocarcinoma	1
7	distal bile duct	Neuroendocrine carcinoma	Neuroendocrine tumour	1
8	pancreatic mass FNAC	Adenocarcinoma	Neoplastic lesion with papillae favours intraductal papillary neoplasm	1
9	Stomach	poorly cohesive carcinoma	MALToma	1
10	Stomach	Benign neoplasm	Adenocarcinoma	1
11	Stomach	Adenocarcinoma	inflammatory slough	1
12	Ampulla	Neuroendocrine carcinoma	Neuroendocrine tumour	1
13	Ampulla	Adenocarcinoma	No malignancy	2
14	Intestine	Diffuse large B cell lymphoma	Marginal zone lymphoma	1
15	Intestine	Neuroendocrine carcinoma	Adenocarcinoma	1
16	Intestine	Gastro-intestinal stromal tumour	No malignancy	1
17	Rectum	Adenocarcinoma	No malignancy	2
Urinary tract and male genital tract				
1	Kidney	Clear cell renal cell carcinoma, grade 4	Urothelial carcinoma	1
2	Prostate	Round cell sarcoma	Mantle cell lymphoma	1
3	Prostate	acinar adenocarcinoma	Adenomyomatous hyperplasia	1
4	Prostate	Acinar adenocarcinoma	Normal seminal vesicle	1
5	TURBT	prostate adenocarcinoma, urothelial carcinoma	Prostate carcinoma involving bladder	1
6	TURBT	Papilloma	Papillary urothelial neoplasm with uncertain malignant potential	1
7	TURBT	Non-invasive papillary urothelial carcinoma, low grade	Invasive papillary urothelial carcinoma, low grade	2
8	TURBT	invasive high grade urothelial ca	Low grade non invasive urothelial ca	1
8	TURBT	Papillary urothelial neoplasm with uncertain malignant potential	Low-grade non-invasive papillary urothelial carcinoma	1
9	TURBT	low-grade non-invasive papillary urothelial carcinoma	Papillary urothelial neoplasm with uncertain malignant potential	1
Female genital tract				
1	Ovary	Borderline mucinous tumour	Benign mucinous with Brenner tumour	1
2	Ovary	Poorly differentiated carcinoma	High grade serous carcinoma	1
3	Ovary	Immature teratoma	Mature teratoma	1
4	Ovary omentum	mucinous cyst	Low-grade appendiceal mucinous neoplasm	1
5	Ovary omentum	low-grade serous carcinoma	Metastatic adenocarcinoma of pancreato-biliary origin	1
6	Dilatation&evacuation specimen	Product of conception	Hydatidiform mole	1
7	Endometrium	Poorly differentiated malignant neoplasm	Carcinosarcoma	2
8	Endometrium	serous carcinoma endometrium	Endometrioid carcinoma, grade 1	2

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Serial No.	Biopsy site	Outside diagnosis	In house diagnosis	No. of cases
9	Endometrium	Endometrioid endometrial carcinoma	cervical adenocarcinoma	1
10	Uterus	Leiomyoma	Mesenchymal tumour, intermediate grade	1
11	Vault	Invasive poorly differentiated carcinoma	Squamous cell carcinoma	1
12	Omentum	Adenocarcinoma	Peritoneal mesothelioma	1
Breast				
1	Breast	Invasive breast carcinoma, no special type	Mixed ductal & lobular carcinoma	1
2	Breast	Lobular carcinoma of breast	Mixed ductal & lobular carcinoma	1
3	Breast	Invasive breast carcinoma, no special type	Ductal papilloma with ductal carcinoma in-situ	1
4	Breast	Invasive breast carcinoma, no special type	Invasive micropapillary carcinoma	1
5	Breast	Invasive breast carcinoma, no special type	Papillary neoplasm of breast	1
Thorax				
1	Lung	Chronic inflammation	Small cell carcinoma	1
2	Lung	Poorly differentiated adenocarcinoma	Adenosquamous carcinoma	1
3	TBNA	Positive for malignancy	Negative for malignancy	1
4	mediastinal mass	Thymoma	Castleman disease	1
5	chest wall(Posterior mediastinum)	Neuroendocrine tumour	Paraganglioma	1
Skin				
1	abdominal wall	Poorly differentiated carcinoma	Squamous cell carcinoma of cervix origin	1
2	little toe	Squamous cell carcinoma	Pseudoepitheliomatous hyperplasia	1
3	Forearm	Well differentiated squamous cell carcinoma	Verrucous carcinoma	1
4	back mass	Nodular melanoma/atypical hidradenoma	Hidradenocarcinoma	1
Bone & soft tissue				
1	Thigh	Fibrosarcoma	Solitary fibrous tumour	1
2	Leg	Epithelioid neoplasm	low grade mesenchymal neoplasm	1
3	Thigh	Myxoid liposarcoma	Myxofibrosarcoma	1
4	Tibia	Malignant peripheral nerve sheath tumour	Chondroblastic osteosarcoma	1
CNS				
1	Brain	Glioblastoma	Primary CNS lymphoma	1

CNS, central nervous system; TBNA, trans bronchial needle aspiration; FNAC, fine needle aspiration cytology; TURBT, trans urethral resection of bladder tumour