

Annexure 1

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PROFORMA:

(COMPARATIVE STUDY OF TISSUE PROCESSING AND STAINING BY MICROWAVE AND ROUTINE METHOD)

Coded slide no.

Histopathology No.

Type of specimen:

Gross findings				
	Before processing	After processing	Remark	
Colour				
Consistency				
Dimensions(cm)				
Microscopic findings				
Criteria	Poor - 1 mark	Average -2 marks	Good - 3 marks	Excellent - 4 marks
A. Cellular details				
1) Cellular outline				
2) Clarity				
3) Integrity of tissue				
B. Cytoplasmic details				
4) Nuclear cytoplasmic contrast				
5) Eosinophilia/Granularity				
C. Nuclear details				
6) Clarity of nucleus & nucleoli				
7) Clarity of nuclear membrane				
8) Clarity of chromatin				
D. Staining characteristics				
9) Colour intensity				
10) Uniformity				
Marks				
Total Marks				
Grade*				

*Grade I(Poor)- Less than 10

Grade II(Average)- Between 11 to 20

Grade III(Good)-Between 21 to 30

Grade IV(Excellent)- Between 31 to 40

ANNEXURE 2 - LIST OF SPECIMENS

No.	HP. No.	Routine	Microwave	HP Diagnosis
1	3965/18	1A	1B	Paraganglioma (retroperitoneum)
2	4069/18	2B	2A	Adenomyosis of uterus
3	4179/18	3A	3B	Chronic cholecystitis
4	3488/18	4B	4A	Benign phylloides tumor
5	3445/18	5A	5B	Peritoneum- inflammatory infiltrate
6	3693/18	6A	6B	Fibroadenoma with adenosis of breast
7	3958/18	7B	7A	Immature teratoma (testis)
8	3740/18	8A	8B	Endometrioid adenocarcinoma of ovary
9	3803/18	9B	9A	Chorioamnionitis
10	4174/18	10A	10B	Hashimoto thyroiditis
11	4057/18	11A	11B	Squamous cell carcinoma of thigh
12	4027/18	12B	12A	Follicular adenoma
13	3942/18	13B	13A	Hydatid cyst of spleen
14	4215/18	14B	14A	Infiltrating ductal carcinoma of breast
15	2283/18	15A	15B	Mature cystic teratoma of ovary
16	2216/18	16B	16A	Dermatofibrosarcoma Protuberans (anterior abdominal wall)
17	2467/18	17A	17B	Fibroadenoma of breast
18	2087/18	18A	18B	Small round cell tumor scalp
19	2281/18	19B	19A	Pleomorphic adenoma
20	2307/18	20A	20B	DLBCL of breast
21	2392/18	21B	21A	Ectopic tubal pregnancy
22	2398/18	22B	22A	Respiratory epithelial adenomatous hamartoma
23	2256/18	23A	23B	Appendix
24	2394/18	24A	24B	keratinous cyst
25	2393/18	25B	25A	Benign Prostatic Hyperplasia
26	2387/18	26A	26B	Squamous Cell Carcinoma
27	4363/18	27B	27A	Follicular adenomas- Thyroid
28	4235/18	28A	28B	Liposarcoma
29	4178/18	29B	29A	Lipoma
30	4431/18	30A	30B	Periampullary adenocarcinoma
31	4521/18	31B	31A	Mandibulectomy
32	4276/18	32B	32A	Benign phyllodes tumor
33	4373/18	33A	33B	Myxoid liposarcoma
34	4482/18	34A	34B	Renal cell carcinoma
35	4176/18	35B	35A	Granulosa cell tumor
36	4178/18	36A	36B	Spindle cell lipoma
37	4273/18	37A	37B	Gynecomastia
38	4438/18	38B	38A	Adenoid cystic carcinoma of eccrine gland
39	4167/18	39A	39B	Tubular adenoma

No.	HP. No.	Routine	Microwave	HP Diagnosis
40	4142/18	40A	40B	Mucinous adenocarcinoma of appendix
41	4270/18	41B	41A	Keloid
42	4449/18	42A	42B	Cervical polyp
43	4215/18	43B	43A	Infiltrating ductal carcinoma breast
44	4601/18	44B	44A	Dermatofibrosarcoma Protuberans
45	4482/18	45B	45A	Renal Cell Carcinoma
46	4635/18	46B	46A	Torsion of testis
47	4699/18	47A	47B	Prostate
48	4678/18	48A	48B	Colloid goiter
49	4647/18	49B	49A	Chromophobe Renal Cell Carcinoma
50	4389/18	50A	50B	Hyperkeratotic epidermis
51	4507/18	51A	51B	Squamous Cell Carcinoma
52	4350/18	52B	52A	Metastatic adenocarcinoma
53	4639/18	53A	53B	Dedifferentiated liposarcoma
54	4482/18	54B	54A	Clear cell Renal Cell Carcinoma
55	4688/18	55A	55B	Tuberculosis Lymphnode
56	4699/18	56A	56B	Benign Prostatic Hyperplasia
57	4746/18	57 B	57 A	Moderately differentiated Squamous Cell Carcinoma
58	4343/18	58A	58B	Angiofibroma
59	4887/18	59A	59B	Decidual tissue with hypertrophic muscle
60	5032/18	60B	60A	Pleomorphic adenoma
61	4871/18	61B	61A	Immature teratoma
62	4819/18	62A	62B	Mucinous cystadenocarcinoma with infarct
63	4813/18	63A	63B	Infected keratinous cyst
64	4915/18	64B	64A	Borderline phyllodes tumor
65	5186/18	65A	65B	Serous papillary cystadenocarcinoma
66	5205/18	66A	66B	Umbilical fistula
67	5015/18	67A	67B	Uterus-endometrium
68	5105/18	68A	68B	Placenta accrete
69	5122/18	69A	69B	Chronic Pyelonephritis
70	5094/18	70B	70A	Serous cystadenoma
71	5058/18	71B	71A	Squamous Cell Carcinoma-Intestine
72	5012/18	72A	72B	Leiomyoma
73	5014/18	73A	73B	Hyperplastic cervical epithelium
74	5061/18	74A	74B	Chronic lymphoid hyperplasia of tonsil
75	5044/18	75B	75A	Mature cystic teratoma
76	4784/18	76A	76B	Pleomorphic adenoma
77	5050/18	77B	77A	Metastatic IDC with sarcoid granuloma in LN
78	5161/18	78A	78B	Compound nevus
79	5045/16	79B	79A	Micropapillary carcinoma of ovary

No.	HP. No.	Routine	Microwave	HP Diagnosis
80	5105/18	80B	80A	Umbilical cord
81	5400/18	81B	81A	Cecum ascending colon reactive LN
82	5302/18	82A	82B	Normal ovary
83	5310/18	83A	83B	Multiple keratinous cyst on scrotum
84	5308/18	84B	84A	Calcinosis cutis
85	5302/18	85A	85B	Leiomyosarcoma
86	5288/18	86B	86A	Low grade Endometrial stromal sarcoma
87	5299/18	87A	87B	Phyllodes tumor
88	5216/18	88B	88A	Ovary
89	5275/18	89A	89B	Hemorrhoids
90	5221/18	90B	90A	Follicular adenoma
91	5186/18	91A	91B	Serous papillary cystadenocarcinoma
92	5143/18	92B	92A	Granulomatous mastitis
93	5230/18	93A	93B	Endometrioid carcinoma
94	5335/18	94B	94A	Lymphangioma
95	5192/18	95A	95B	Endometrial polyp
96	5215/18	96B	96A	Corpus luteum cyst of ovary
97	5305/18	97A	97B	Acute appendicitis
98	5302/18	98A	98B	Leiomyosarcoma
99	5479/18	99B	99A	Jejunum
100	5531/18	100A	100B	Lipoma
101	5529/18	101B	101A	Gall bladder; chronic cholecystitis
102	5509/18	102A	102B	Sternocleidomastoid muscle
103	5425/18	103B	103A	Tuberculosis intestine
104	5485/18	104A	104B	Tonsil
105	5560/18	105A	105B	Acute appendicitis with periappendicular abscess
106	5599/18	106B	106A	Inflammatory nasal polyp
107	5525/18	107A	107B	Ganglion on ankle
108	5623/18	108B	108A	Mucinous cystadenocarcinoma with mural nodule
109	5527/18	109A	109B	Benign Prostatic Hyperplasia
110	5579/18	110B	110A	Eccrine acrospiroma
111	5574/18	111A	111B	Hemangioma
112	5586/18	112B	112A	Fibroepithelial polyp
113	5531/18	113A	113B	Lipoma
114	5556/18	114B	114A	Intestine
115	5609/18	115A	115B	Dermoid cyst
116	5501/18	116B	116A	Invasive Ductal Carcinoma
117	5611/18	117A	117B	Fallopian tube(Tubal ectopic pregnancy)
118	5654/18	118B	118A	Ruptured spleen
119	5629/18	119B	119A	Fibroadenoma
120	18/19	120B	120A	Ileal colostomy

No.	HP. No.	Routine	Microwave	HP Diagnosis
121	23/19	121B	121A	Ovary
122	6/19	122A	122B	Endometrium
123	23/19	123A	123B	Tuberculosis of Fallopian tube
124	85/19	124B	124A	Transurethral Resection of Prostate
125	11A/19	125A	125B	Fibroadenoma
126	69/19	126A	126B	Pleomorphic adenoma
127	76/19	127B	127A	External piles
128	R-1/19	128A	128B	Seminoma embryonal carcinoma and YST
129	12/19	129B	129A	Testicular infarct
130	19/19	130A	130B	Appendix
131	93/19	131A	131B	Carcinosarcoma of salivary gland
132	94/19	132B	132A	Gall bladder
133	99/19	133A	133B	Spleen
134	144/19	134B	134A	Tonsil
135	157/19	135A	135B	Ileum
136	116/19	136B	136A	Colostomy
137	173/19	137A	137B	Cervix
138	196/19	138A	138B	Keratinous cyst
139	170/19	139A	139B	Gall bladder
140	105/19	140A	140B	Immature teratoma
141	198/19	141B	141A	Placenta
142	198/19	142B	142A	Umbilical cord
143	117/19	143B	143A	Gall Bladder
144	157/19	144A	144B	Inflammatory bowel disease
145	185/19	145B	145A	Cervical polyp
146	221/19	146A	146B	Lymphangioma
147	222/19	147B	147A	Keratinous cyst
148	223/19	148A	148B	Moderately differentiated endometrial adenocarcinoma
149	242/19	149B	149A	Appendix- Acute appendicitis
150	243/19	150A	150B	Perianal sinus
151	270/19	151B	151A	Fibroadenoma
152	213/19	152A	152B	Symplastic leiomyoma
153	5639/18	153A	153B	Tubal ectopic pregnancy
154	5582/18	154B	154A	Lipoma
155	5543/18	155A	155B	Caecum serositis
156	5548/18	156B	156A	Serous cystadenoma
157	297/19	157A	157B	Endometrium
158	298/19	158B	158A	Well differentiated SCC
159	271/19	159A	159B	Placenta
160	297/19	160A	160B	Hemorrhagic infarct in ovarian cyst
161	291/19	161B	161A	Bursitis

No.	HP. No.	Routine	Microwave	HP Diagnosis
162	304/19	162A	162B	Pelvic cyst wall
163	263/19	163B	163A	Leiomyoma
164	304A/19	164A	164B	Hydatid cyst wall
165	273/19	165A	165B	Fallopian tube and part of ovary
166	311/19	166B	166A	Lipoma
167	315/19	167A	167B	Uterus myometrium
168	312/19	168B	168A	Chronic cholecystitis
169	300B/19	169B	169A	Leiomyomatous polyp
170	303/19	170B	170A	Appendix
171	341/19	171B	171A	Inflamed keratinous cyst
172	390/19	172B	172A	Pleomorphic adenoma
173	355/19	173B	173A	Endometrium with myometrium
174	357/19	174B	174A	kidney hemorrhage congestion necrosis
175	382/19	175A	175B	Umbilical swelling sq. epi with inflammation
176	375/19	176B	176A	Lipoma
177	371/19	177B	177A	Mucinous adenocarcinoma-colorectal
178	334/19	178B	178A	Clear cell carcinoma of kidney
179	347/19	179B	179A	Uterus myometrium
180	365/19	180A	180B	Dermoid cyst
181	356/19	181A	181B	Chronic cholecystitis
182	350/19	182B	182A	Uterus myometrium
183	401/19	183B	183A	Infiltrating ductal ca breast
184	372/19	184B	184A	Breast IDC with desmoplasia and infarct
185	432/19	185B	185A	Complete mole
186	439/19	186B	186A	Fibroadenoma
187	469/19	187A	187B	Leiomyoma
188	435/19	188A	188B	Mature cystic teratoma
189	461/19	189A	189B	Benign fibrous histiocytoma
190	427/19	190A	190B	Glioblastoma
191	495/19	191A	191B	Follicular adenoma
192	467/19	192B	192A	Endometrioid carcinoma
193	407/19	193A	193B	Well differentiated SSC
194	445/19	194A	194B	Pancreas
195	513/19	195B	195A	Endometrioid polyp
196	534/19	196B	196A	Tubal ectopic pregnancy
197	539/19	197A	197B	Reactive lymphoid hyperplasia
198	568/19	198A	198B	Keloid
199	563/19	199A	199B	Leiomyosarcoma

No.	HP. No.	Routine	Microwave	HP Diagnosis
200	590/19	200A	200B	Synovial tissue from knee joint
201	595/19	201A	201B	Tuberculous inflammation-intestine
202	560/19	202A	202B	Intestine-diverticulitis
203	635/19	203A	203B	Sacral region swelling-myelocele
204	607/19	204B	204A	Testis
205	623/19	205B	205A	Normal salivary gland (Parotid gland)
206	627/19	206B	206A	D&C Simple hyperplasia
207	648/19	207B	207A	Chronic Pyelonephritis
208	675/19	208B	208A	Cervix
209	690/19	209B	209A	Fibroadenoma
210	698/19	210B	210A	Appendix
211	701/19	211A	211B	Perianal sinus tract
212	726/19	212B	212A	Well differentiated SCC in testis and vas deference
213	746/19	213A	213B	Cecum Tuberculosis
214	752/19	214A	214B	Solid pseudopapillary tumor of Pancreas
215	766/19	215A	215B	Complete mole
216	776/19	216A	216B	Fibroadenoma
217	791/19	217A	217B	Basal cell adenoma Parotid gland
218	796/19	218A	218B	Leiomyoma
219	805/19	219B	219A	Intraabdominal fibromatosis
220	806/19	220A	220B	Chronic cholecystitis
221	808/19	221A	221B	Gynecomastia
222	864/19	222A	222B	AV malformation-fibrofatty tissue
223	876/19	223A	223B	Reactive lymphoid hyperplasia of LN
224	832/19	224B	224A	Mature cystic teratoma
225	836/19	225A	225B	Serous cyst of ovary
226	917/19	226B	226A	Periductal mastitis
227	924/19	227B	227A	Mature cystic teratoma of ovary
228	949/19	228A	228B	Reactive hyperplasia of tonsil
229	957/19	229B	229A	Endometrial polyp
230	963/19	230B	230A	Well differentiated adenocarcinoma
231	967/19	231A	231B	Pilonidal sinus
232	986/19	232B	232A	Acute appendicitis
233	1023/19	233A	233B	Appendix – Reactive lymphoid hyperplasia
234	1028/19	234B	234A	Endometrium
235	1053/19	235A	235B	Product of gestation
236	1122/19	236B	236A	Moderately differentiated SCC
237	1137/19	237A	237B	Classical Hodgkin lymphoma
238	1175/19	238B	238A	Sacroccocygeal teratoma
239	1203/19	239A	239B	Keloid
240	1207/19	240B	240A	Adenomatous goiter

No.	HP. No.	Routine	Microwave	HP Diagnosis
241	1244/19	241A	241B	Endometrial adenocarcinoma
242	1228/19	242B	242A	Dermoid cyst of ovary
243	1249/19	243A	243B	Corpus luteum cyst
244	1253/19	244B	244A	Corpus luteum cyst
245	1303/19	245A	245B	Gartner duct cyst
246	1201/19	246B	246A	Fibroadenoma
247	1233/19	247A	247B	Benign Prostatic Hyperplasia
248	1359/19	248B	248A	Pancreas (whipple procedure)
249	1376/19	249A	249B	Salivary gland (Hemiglossectomy SCC)
250	1380/19	250B	250A	Meningothelial meningioma
251	1393/19	251A	251B	Fallopian tube (Tubal ectopic pregnancy)
252	1421/19	252B	252A	Papillary thyroid carcinoma
253	1444/19	253A	253B	Cervical Lymphnode
254	A125/19	254A	254B	Lung
255	A125/19	255A	255B	Kidney
256	A125/19	256A	256B	Heart
257	A125/19	257A	257B	Spleen
258	A125/19	258A	258B	Brain
259	A123/19	259A	259B	Liver
260	A123/19	260A	260B	Coronary artery
261	1528/19	261B	261A	Ectopic pregnancy
262	1812/19	262A	262B	Infiltrating ductal Carcinoma
263	1931/19	263B	263A	Torsion of testis
264	1962/19	264A	264B	Placenta previa
265	1964/19	265A	265B	Fibrocystic change with inflammation
266	1973/19	266B	266A	Uterus
267	1982/19	267A	267B	Uterus with leomyoma
268	2045/19	268B	268A	Central neurocytoma
269	2093/19	269A	269B	Pleomorphic adenoma
270	2081/19	270A	270B	Colloid goiter
271	2132/19	271B	271A	Keratinous cyst
272	2033/19	272A	272B	Acute appendicitis
273	2136/19	273A	273B	Adenocarcinoma colon
274	2157/19	274B	274A	Fibroadenoma
275	2173/19	275A	275B	Follicular adenoma thyroid
276	2228/19	276B	276A	Hyperplastic myometrium
277	2248/19	277B	277A	Leiomyosarcoma
278	2259/19	278A	278B	Wilms tumor
279	2298/19	279A	279B	Infiltrating Ductal Carcinoma of breast
280	2312/19	280B	280A	Benign Prostatic Hyperplasia
281	2343/19	281B	281A	Acute on chronic appendicitis
282	2380/19	282A	282B	Benign Prostatic Hyperplasia
283	2287/19	283A	283B	Cervix

No.	HP. No.	Routine	Microwave	HP Diagnosis
284	2420/19	284A	284B	Endocervical polyp
285	2451/19	285B	285A	High grade salivary duct carcinoma
286	2453/19	286B	286A	Reactive lymphoid hyperplasia of tonsil
287	2459/19	287A	287B	Myometrium -uterus
288	2492/19	288A	288B	Tuberculosis LN
289	2563/19	289B	289A	Simple serous cyst with ill defined papillae
290	2511/19	290A	290B	Idiopathic calcinosis
291	2508/19	291A	291B	Cervix
292	2580/19	292B	292A	Tuberculous inflammation of ileum
293	2609/19	293B	293A	Follicular adenoma
294	2618/19	294B	294A	Well differentiated Squamous Cell Carcinoma
295	2611/19	295A	295B	Follicular adenoma
296	2629/19	296B	296A	Fibroadenoma
297	2751/19	297A	297B	Chronic appendicitis
298	2674/19	298B	298A	Skin with underlying fibroconnective tissue
299	2724/19	299A	299B	Secretory endometrium
300	2721/19	300B	300A	Fibroadenoma
301	2731/19	301B	301A	Tubular adenoma
302	2779/19	302B	302A	Ulcerated mucosa and inflammation
303	2794/19	303A	303B	Trichilemmal cyst
304	2804/19	304A	304B	Serous cystadenoma ovary
305	2809/19	305B	305A	Pleomorphic adenoma
306	2816/19	306A	306B	Acute appendicitis
307	2819/19	307A	307B	Benign Prostatic Hyperplasia
308	2840/19	308A	308B	Cervix
309	2852/19	309B	309A	IDC-Desmoplastic breast tissue
310	2864/19	310A	310B	Intramuscular hemangioma
311	2862/19	311B	311A	Follicular adenoma
312	2878/19	312A	312B	Intestine
313	2906/19	313B	313A	Follicular adenoma
314	2908/19	314A	314B	Metastatic epithelial malignancy
315	2914/19	315A	315B	Inflammatory nasal polyp
316	2923/19	316B	316A	Hashimoto thyroiditis
317	2945/19	317A	317B	Chronic cholecystitis
318	3005/19	318A	318B	IDC metastasis in LN
319	3009/19	319A	319B	IDC metastasis in LN
320	3049/19	320A	320B	Goiter with cystic change
321	3055/19	321A	321B	Gynecomastia
322	3062/19	322B	322A	Adenocarcinoma

No.	HP. No.	Routine	Microwave	HP Diagnosis
323	3059/19	323A	323B	Pilonidal sinus
324	3094/19	324A	324B	Normal ovary of mucinous cystadenoma
325	3103/19	325A	325B	Synovial cyst
326	3113/19	326A	326B	Fibroadenoma
327	3122/19	327B	327A	Inflammatory nasal polyp
328	3150/19	328B	328A	Schwannoma
329	3182/19	329A	329B	Basal cell adenoma of parotid gland
330	275/20	330A	330B	Chronic pyelonephritis
331	562/20	331B	331A	Mature cystic teratoma
332	1057/20	332A	332B	Adenomyoma
333	1182/20	333A	333B	Dysgerminoma
334	1242/20	334B	334A	Granulosa cell tumor
335	1270/20	335B	335A	Hepatocellular carcinoma
336	1344/20	336A	336B	Mammary analogue secretory carcinoma
337	1364/20	337B	337A	Gynecomastia
338	1379/20	338A	338B	Adenocarcinoma colon
339	1423/20	339A	339B	Transitional cell carcinoma of ovary
340	3395/19	340B	340A	Liposarcoma
341	5388/19	341B	341A	Solid pseudopapillary neoplasm of pancreas
342	1661/20	342B	342A	Benign seromucinous cystadenoma
343	959/20	343A	343B	Infiltrating ductal carcinoma of breast
344	1396/20	344B	344A	Dermoid cyst
345	1543/20	345A	345B	Endometrial polyp
346	1550/20	346B	346A	Nonkeratinizing squamous cell carcinoma of cervix
347	1557/20	347B	347A	Mesenteric lymphoma DLBCL
348	1607/20	348A	348B	Seminoma of testis
349	1695/20	349B	349A	Tuberculosis of intestine
350	1697/20	350A	350B	Nonkeratinizing squamous cell carcinoma of cervix

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4.5	Parameters and subparameters for stained slide assessment.	
4.6	Result evaluation proforma	
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5.1	Average dimensions of tissue before processing and after processing:	
5.2	Statistical analysis of samples processed by DMWTP and CTP with independent sample t-test	
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7.1	Comparison of Turn around time of various studies	

ANNEXURE 4 - LIST OF FIGURES

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Results		
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Figure 5.2	Cconsistency wise Distribution of tissue	
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Figure 5.4	Comparison of cytoplasmic outline average marks for routine method and microwave method.	
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Figure 5.6	Comparison of integrity of tissue average marks for routine method and microwave method.	
Figure 5.7	Comparison of Nuclear:cytoplasmic contrast average marks for routine method and microwave method.	
Figure 5.8	Comparison of Eosinophilia/granularity average marks for routine method and microwave method.	
Figure 5.9	Comparison of Clarity of nucleus and nucleoli average marks for routine method and microwave method.	
Figure 5.10	Comparison of clarity of nuclear membrane average marks for routine method and microwave method.	
Figure 5.11	Comparison of Clarity of chromatin average marks for routine method and microwave method.	
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LIST OF PUBLICATION, PAPER AND POSTER PRESENTATION DURING 2018-2021.

Publications:

Sr No	Name of author/faculty	Title of the article	Journal name and details	Type of article
1	Mital Bharat Lakhani, Neema Ankur Rana, Hiral Samir Shah, Meena Rajiv Daveswar, Kuldeep Pravin Prajapati	Analysis of Abnormal Epithelial Lesions in Cervical Papsmears: Tertiary Care Hospital	International Journal of Health and Clinical Research, 2021;4(13):215-218	Original article
2	Dr. Vishwa Manishkumar Patel, Dr. Meena Rajiv Daveswar Dr. Hiral Samir Shah	Histopathological Spectrum of Appendectomy Specimen	International Journal of Health and Clinical Research, 2020; 3(7):7-13	Original article
3	Hiral Samir Shah, Shilpi Rajiv Daveswar, Meena Rajiv Daveswar, Neema Ankur Rana	Analysis of histopathological patterns of lung and pleural biopsy in correlation with immunohistochemistry	International Journal of Health and Clinical Research, 2020;3(7):55-60	Original article
4	Hiral Samir Shah , Neema Ankur Rana, Meena Rajiv Daveswar, Amrish N Shah , Pankti I Macwan, Hena D Sodha, Kinjal D Patel	Correlation of Estrogen Receptor(ER), Progesterone Receptor(PR) and Her2/neu expression with Clinicopathological Parameters in Primary Breast Carcinoma -A Study of 175 cases	National Journal of Medical Research. Volume 10, Issue2, Apr –Jun 2020	Original article
5	Trusha Thakor, Meena Rajiv Daveswar, Hiral Samir Shah	Cytomorphological Study of Thyroid Lesions Using the Bethesda System for Reporting Thyroid Cytology and Its Correlation with Thyroid Function Test	Journal of Evolution of Medical and Dental Sciences. Vol.9, Issue 12, Mar. 23, 2020.	Original article
6	Dr. Neema Ankur Rana, Dr. Hiral Samir Shah, Dr. Meena Rajiv Daveswar, Dr. Rinkal Patel, Dr. Jinal Shah, Dr. Kishna Vasoya Dr. Brijesha A Patel	Histopathological subtypes of breast cancer and its correlation with various prognostic factors	International Journal of Clinical and Diagnostic Pathology 2020; 3(1): 323-327	Original article

Sr No	Name of author/faculty	Title of the article	Journal name and details	Type of article
7	Shilpi Daveswar, Hiral Samir Shah, Meena Rajiv Daveswar	Retrospective study of the clinical and histopathological parameters of the dental lesions	MedPulse – International Journal of Dentistry, Volume 12, Issue 3, December 2019 pp 19-24	Original article
8	Hiral Samir Shah, Meena Rajiv Daveswar, Neema Ankur Rana	Correlation of intraoperative frozen section report and histopathological diagnosis	MedPulse International Journal of Pathology. Volume 12, Issue 3, December 2019 pp 161-165	Original article
9	Dr. Meena Rajiv Daveswar, Dr. Hiral Samir Shah Dr. Ankit Zaveri	Study of Serum Homocysteine Level in Young Patients with Myocardial Infarction and Cerebrovascular Stroke	Annals of Pathology and Laboratory Medicine, Vol. 6, Issue 11, November, 2019.	Original article
10	Dr. Neema Ankur Rana, Dr. Neelam Shah, Dr. Meena Daveswar, Dr. Hiral Shah Dr. Hemali Tailor, Dr. Smita C. Patel	Diagnostic Utility of Bone Marrow Aspiration and Bone Marrow Biopsy in Hematological Practice	Journal of Medical Sciences and Clinical Research. Volume 07, Issue 12, December 2019	Original article

Paper Presentation:

Topic: Analysis of Histopathological Patterns Of Lung and Pleural Biopsy In Correlation with Immunohistochemistry.

Date: 2-4 October 2020

Venue: KAPCON 2020 Virtual conference held online

Poster presentation:

Topic: Primary Diffuse Large B cell Lymphoma Of The Breast: A rare case

Date: 2-4 October 2020

Venue: KAPCON 2020 Virtual conference held online

Sr. No.	HP. No.	HP Diagnosis	Routine	Marks	Color	consistency	Dimentions Before processing			Dimentions after processing			Cellular outline	Clarity	Integrity of tissue	N:C contrast	Eosinophilia/Granularity	Clarity of nucleus and nucleoli	Clarity of nuclear membrane	Clarity of chromatin	Colour intensity	Uniformity	Microwave	Marks	Color	consistency	Dimentions Before processing			Dimentions after processing			Cellular outline	Clarity	Integrity of tissue	N:C contrast	Eosinophilia/Granularity	Clarity of nucleus and nucleoli	Clarity of nuclear membrane	Clarity of chromatin	Colour intensity	Uniformity			
1	3965/18	Paraganglioma (retroperitoneum)	1A	38	Grey	Firm	1.5	1.2	0.3	1.4	1.2	0.2	3	4	4	3	4	4	4	4	4	4	1B	38	Grey	Firm	1.5	1.2	0.3	1.4	1.2	0.2	3	4	4	3	4	4	4	4	4	4	4	4	
2	4069/18	Endometrium and myometrium show adenomyosis	2B	37	Grey	Firm	1.2	1.2	0.3	1.1	1.1	0.2	4	4	4	3	3	4	4	4	3	4	2A	37	Grey	Firm	1.2	1.2	0.3	1.1	1.1	0.2	4	4	4	3	3	4	4	4	4	4	3	4	
3	4179/18	Chronic cholecystitis	3A	36	Brown	Soft	1.5	0.4	0.3	1.4	0.3	0.2	3	4	4	4	3	3	4	4	3	4	3B	37	Brown	Soft	1.5	0.4	0.3	1.4	0.3	0.2	3	4	4	4	4	3	3	4	4	4	4	4	
4	3488/18	Benign phyllodes tumor	4B	35	Grey	Firm	1.2	1.1	0.3	1.1	1	0.2	3	4	4	3	3	3	4	3	4	4	4A	36	Grey	Firm	1.2	1.1	0.3	1.1	1	0.2	3	4	4	3	4	3	4	3	4	4	4	4	
5	3445/18	Peritoneum- inflammatory infiltrate	5A	36	Grey	Firm	1.2	1.2	0.3	1.1	1.1	0.2	3	4	4	3	4	3	4	3	4	4	5B	36	Grey	Firm	1.2	1.2	0.3	1	1	0.2	3	4	4	3	4	3	4	3	4	3	4	4	
6	3693/18	Fibroadenoma with adenosis of breast	6A	37	Grey	Firm	1	1	0.3	0.9	0.8	0.2	3	4	4	3	4	3	4	4	4	4	6B	38	Grey	Firm	1	1	0.3	0.9	0.9	0.2	3	4	4	4	4	4	3	4	4	4	4	4	
7	3958/18	Immature teratoma (testis)	7B	37	Brown	Firm	1.1	1.1	0.3	1	1	0.3	3	4	4	4	4	4	3	3	4	4	7A	37	Brown	Firm	1.1	1.1	0.3	1	0.9	0.3	3	4	4	4	4	4	3	4	4	3	4	4	
8	3740/18	Endometrioid adenocarcinoma of ovary	8A	37	Grey	Firm	1.1	1	0.3	1	1	0.2	3	4	4	4	4	3	4	3	4	4	8B	37	Grey	Firm	1.1	1	0.3	1	1	0.2	3	4	4	4	4	3	4	4	3	4	4	4	
9	3803/18	Chorioamnionitis	9B	37	Grey	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	4	4	3	4	3	4	4	9A	38	Grey	Firm	1.1	1.1	0.3	1	0.9	0.2	3	4	4	4	4	4	3	4	4	4	4	4	
10	4174/18	Hashimoto thyroiditis	10A	36	Grey	Firm	1.2	1.1	0.3	1	1	0.2	3	4	4	3	4	3	4	3	4	4	10B	37	Grey	Firm	1.2	1.1	0.3	1	1	0.2	3	4	4	4	4	3	4	4	3	4	4	4	
11	4057/18	Squamous cell carcinoma of thigh	11A	37	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	3	4	4	11B	39	Grey	Firm	1.1	1.1	0.4	1	0.9	0.3	3	4	4	4	4	4	4	4	4	4	4	4	
12	4027/18	Follicular adenoma	12B	37	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	3	4	4	12A	37	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	4	4	3	4	4	
13	3942/18	Hydatid cyst of spleen	13B	36	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	3	4	4	13A	37	Grey	Firm	1.1	1.1	0.4	0.9	0.9	0.3	3	4	4	3	4	3	4	4	3	4	4	4	
14	4215/18	Infiltrating ductal carcinoma of breast	14B	36	Grey	Firm	1.4	1.4	0.4	1.3	1.2	0.3	3	4	4	3	4	4	4	3	4	4	14A	36	Grey	Firm	1.4	1.4	0.4	1.2	1.2	0.3	3	4	4	3	4	4	4	4	4	3	3	4	
15	2283/18	Mature cystic teratoma of ovary	15A	37	Grey	Firm	0.8	0.8	0.4	0.7	0.7	0.3	3	4	4	3	4	4	4	3	4	4	15B	37	Grey	Firm	0.8	0.8	0.4	0.7	0.7	0.3	3	4	4	3	4	4	4	4	4	3	4	4	
16	2216/18	DFSP (anterior abdominal wall)	16B	38	Grey	Firm	1	1	0.4	0.9	0.9	0.3	3	4	4	3	4	4	4	4	4	4	16A	38	Grey	Firm	1	1	0.4	0.9	0.9	0.3	3	4	4	3	4	4	4	4	4	4	4	4	
17	2467/18	Fibroadenoma of breast	17A	36	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	3	3	4	17B	38	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	4	4	4	4	4	
18	2087/18	Small round cell tumor scalp	18A	37	Grey	Firm	0.9	0.9	0.4	0.8	0.8	0.3	3	4	4	3	4	4	4	3	4	4	18B	39	Grey	Firm	0.9	0.9	0.4	0.8	0.8	0.3	3	4	4	4	4	4	4	4	4	4	4	4	
19	2281/18	Pleomorphic adenoma	19B	38	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	4	4	4	19A	38	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	4	4	4	4	4	
20	2307/18	DLBCL of breast	20A	36	Grey	Firm	0.8	0.8	0.3	0.7	0.7	0.2	3	4	4	3	4	3	4	3	4	4	20B	36	Grey	Firm	0.8	0.8	0.3	0.7	0.7	0.2	3	4	4	3	4	4	3	4	4	3	4	4	
21	2392/18	Ectopic tubal pregnancy	21B	37	Brown	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	3	4	4	21A	37	Brown	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	3	4	4	3	4	4	
22	2398/18	Respiratory epithelial adenomatous hamartoma	22B	36	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	3	4	4	22A	39	Grey	Firm	1.1	1.1	0.4	0.9	0.9	0.3	4	4	4	3	4	4	4	4	4	4	4	4	
23	2256/18	Appendix-reactive lymphoid hyperplasia	23A	36	Grey	Firm	0.6	0.5	0.4	0.5	0.4	0.3	3	4	4	3	4	4	4	3	3	4	23B	38	Grey	Firm	0.6	0.5	0.4	0.5	0.5	0.3	3	4	4	4	4	4	4	4	4	3	4	4	
24	2394/18	keratinous cyst	24A	37	Grey	Firm	1.1	0.7	0.4	1	0.6	0.3	3	4	4	3	4	4	4	3	4	4	24B	37	Grey	Firm	1.1	0.7	0.4	1	0.6	0.3	3	4	4	3	4	4	3	4	4	3	4	4	
25	2393/18	Benign Prostatic Hyperplasia	25B	37	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	3	4	4	25A	39	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	4	4	4	4	4	4	4	4	4	
26	2387/18	Squamous Cell Carcinoma	26A	36	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	3	4	4	26B	38	Grey	Firm	1.1	1.1	0.4	1	1	0.3	4	4	4	3	4	4	4	4	4	3	4	4	
27	4363/18	Follicular adenomas- Thyroid	27B	38	Grey	Firm	1.3	1.3	0.4	1.1	1.1	0.3	3	4	4	3	4	4	4	4	4	4	27A	38	Grey	Firm	1.3	1.3	0.4	1.1	1.1	0.3	3	4	4	3	4	4	4	4	4	4	4	4	
28	4235/18	Liposarcoma	28A	36	Yellow	Soft	1.2	1.1	0.4	1.1	1.1	0.3	3	4	4	3	4	4	4	3	3	4	28B	36	Yellow	Soft	1.2	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	4	4	4	3	3	4
29	4178/18	Lipoma	29B	36	Yellow	Soft	1.2	1.2	0.4	1.1	1.1	0.3	3	4	4	3	4	4	4	3	3	4	29A	38	Yellow	Soft	1.2	1.2	0.4	1	1	0.2	3	4	4	4	4	4	4	4	4	4	3	4	4
30	4431/18	Periapillary adenocarcinoma	30A	37	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	4	3	4	4	30B	39	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	4	4	4	4	4	4	4	4	4	
31	4521/18	Squamous cell carcinoma(Mandibulectomy)	31B	37	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	4	4	3	4	31A	38	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	4	4	4	4	4	4	
32	4276/18	Benign phyllodes tumor	32B	37	Grey	Firm	1.2	1.2	0.4	1.1	1.1	0.3	3	4	4	3	4	4	4	4	4	3	32A	39	Grey	Firm	1.2	1.2	0.4	1.1	1.1	0.3	3	4	4	4	4	4	4	4	4	4	4	4	
33	4373/18	Myxoid liposarcoma	33A	37	Yellow	Soft	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	4	3	4	33B	38	Yellow	Soft	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	4	4	4	4	4	
34	4482/18	Renal cell carcinoma	34A	37	Grey	Firm	1.2	1.2	0.4	1.1	1.1	0.3	3	4	4	3	4	4	4	4	3	4	34B	39	Grey	Firm	1.2	1.2	0.4	1.1	1.1	0.3	4	4	4	3	4	4	4	4	4	4	4	4	
35	4176/18	Granulosa cell tumor	35B	37	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	4	4	3	35A	37	Grey	Firm	1.1	1.1	0.4	1	0.9	0.3	3	4	4	3	4	4	4	4	4	3	4	4	
36	4178/18	Spindle cell lipoma	36A	35	Yellow	Soft	1	1	0.4	0.9	0.9	0.3	3	4	4	3	4	3	4	3	3	4	36B	35	Yellow	Soft	1	1	0.4	0.9	0.9	0.2	3	4	4	3	4	4	3	4	3	4	3	4	
37	4273/18	Gynecomastia	37A	37	Yellow	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	4	3	4	37B	39	Yellow	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	4	4	4	4	4	4	4	4	4	
38	4438/18	Adenoid cystic carcinoma of eccrine gland	38B	36	Grey	Firm	1.2	1.2	0.4	1.1	1.1	0.3	3	4	4	3	4	4	4	3	3	4	38A	38	Grey	Firm	1.2	1.2	0.4	1	1	0.3	3	4	4	3	4	4	4	4	4	4	4	4	
39	4167/18	Tubular adenoma	39A	36	Grey	Firm	1.2																																						

Sr. No.	HP. No.	HP Diagnosis	Routine	Marks	Color	consistency	Dimentions Before processing			Dimentions after processing			Cellular outline	Clarity	Integrity of tissue	N:C contrast	Eosinophilia/Granularity	Clarity of nucleus and nucleoli	Clarity of nuclear membrane	Clarity of chromatin	Colour intensity	Uniformity	Microwave	Marks	Color	consistency	Dimentions Before processing			Dimentions after processing			Cellular outline	Clarity	Integrity of tissue	N:C contrast	Eosinophilia/Granularity	Clarity of nucleus and nucleoli	Clarity of nuclear membrane	Clarity of chromatin	Colour intensity	Uniformity						
57	4746/18	Salivary gland (Hemiglossectomy SCC)	57 B	35	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	3	4	3	3	4	57 A	36	Grey	Firm	1.4	1.4	0.4	1.2	1.2	0.3	3	4	4	3	4	3	4	3	4	4	4	4				
58	4343/18	Angiofibroma	58A	35	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	3	4	3	3	4	58B	36	Grey	Firm	1.1	1.1	0.4	1	1	0.2	3	4	4	3	4	3	4	3	4	4	4	4				
59	4887/18	Decidual tissue with hypertrophic muscle	59A	36	Brown	Firm	1.4	1.4	0.4	1.3	1.2	0.3	3	4	4	3	4	3	4	3	4	59B	37	Brown	Firm	1.4	1.4	0.3	1.3	1.2	0.2	3	4	4	3	4	4	3	4	4	4	4	4	4				
60	5032/18	Pleomorphic adenoma	60B	35	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	3	4	3	4	60A	36	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.2	3	4	4	3	4	4	3	4	3	4	4	4	4				
61	4871/18	Immature teratoma	61B	37	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	4	4	3	4	61A	37	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.2	3	4	4	3	4	4	3	4	4	4	4	4	4			
62	4819/18	Mucinous cystadenoca with infarct	62A	36	Brown	Firm	1.4	0.7	0.4	1.3	0.6	0.3	3	4	4	3	4	4	4	4	3	3	4	62B	38	Brown	Firm	1.4	0.7	0.4	1.3	0.6	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4		
63	4813/18	Infected keratinous cyst	63A	36	Brown	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	4	4	3	3	4	63B	38	Brown	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4		
64	4915/18	Borderline phyllodes tumor	64B	36	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	4	4	3	3	4	64A	37	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	3	4	4	4	3	4	4		
65	5186/18	Serous papillary cystadenocarcinoma	65A	36	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	4	4	3	3	4	65B	38	Grey	Firm	1.4	1.4	0.4	1.3	1.2	0.2	3	4	4	3	4	4	3	4	4	4	4	4	4		
66	5205/18	Umbilical fistula	66A	37	Brown	Firm	1.5	1.1	0.4	1.4	1	0.3	3	4	4	3	4	4	4	4	3	4	66B	37	Brown	Firm	1.5	1.1	0.4	1.4	0.9	0.3	3	4	4	3	4	4	3	4	4	4	4	3	4	4		
67	5015/18	Uterus-endometrium	67A	36	Brown	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	3	4	3	4	67B	37	Brown	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	3	4	4	4	4	3	4	4			
68	5105/18	Placenta accrete	68A	36	Brown	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	3	4	3	4	68B	37	Brown	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	4			
69	5122/18	Chronic Pyelonephritis	69A	36	Brown	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	3	4	3	4	69B	37	Brown	Firm	1.4	1.4	0.4	1.2	1.2	0.2	3	4	4	3	4	4	3	4	4	3	4	4	4	4			
70	5094/18	Serous cystadenoma	70B	35	Grey	Firm	1.5	0.6	0.4	1.4	0.5	0.3	3	4	4	3	4	3	4	3	4	70A	36	Grey	Firm	1.5	0.6	0.4	1.4	0.5	0.3	3	4	4	3	4	4	3	4	4	3	4	4	3	4			
71	5058/18	Squamous Cell Carcinoma-Intestine	71B	35	Brown	Firm	1.5	1.5	0.4	1.4	1.4	0.3	3	4	4	3	4	3	4	3	4	71A	36	Brown	Firm	1.5	1.5	0.4	1.4	1.4	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4			
72	5012/18	Leiomyoma	72A	36	Brown	Firm	1.4	1.4	0.3	1.3	1.3	0.3	3	4	4	3	4	3	4	3	4	72B	37	Brown	Firm	1.4	1.4	0.3	1.3	1.3	0.3	3	4	4	3	4	4	3	4	4	3	4	4	3	4	4		
73	5014/18	Hyperplastic cervical epithelium	73A	35	Brown	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	3	4	3	4	73B	36	Brown	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	3	4	4	3	4	4	3	4	4		
74	5061/18	Chronic lymphoid hyperplasia of tonsil	74A	36	Brown	Firm	1.5	1.4	0.3	1.4	1.4	0.2	3	4	4	3	4	3	4	3	4	74B	38	Brown	Firm	1.5	1.4	0.3	1.4	1.3	0.2	3	4	4	3	4	4	3	4	4	3	4	4	4	4	4		
75	5044/18	Mature cystic teratoma	75B	35	Grey	Firm	1.5	0.7	0.4	1.4	0.7	0.3	3	4	4	3	4	3	4	3	4	75A	37	Grey	Firm	1.5	0.7	0.4	1.4	0.6	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4	4		
76	4784/18	Pleomorphic adenoma	76A	35	Brown	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	3	4	3	4	76B	36	Brown	Firm	1.4	1.4	0.4	1.3	1.2	0.3	3	4	4	3	4	4	3	4	4	3	4	4	3	4	4		
77	5050/18	Metastatic IDC with sarcoid granuloma in LN	77B	36	Brown	Firm	1.5	1.1	0.4	1.4	1	0.3	3	4	4	3	4	3	4	3	4	77A	37	Brown	Firm	1.5	1.1	0.4	1.4	1	0.2	3	4	4	3	4	4	3	4	4	3	4	4	4	4	4		
78	5161/18	Compound nevus	78A	36	Grey	Firm	1.5	1.1	0.4	1.4	1	0.3	3	4	4	3	4	3	4	3	4	78B	38	Grey	Firm	1.5	1.1	0.4	1.4	1	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4	4		
79	5045/16	Micropapillary carcinoma of ovary	79B	37	Grey	Firm	1.4	1.1	0.4	1	1	0.3	3	4	4	3	4	3	4	3	4	79A	38	Grey	Soft	1.4	1.1	0.4	1.4	1	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	4			
80	5105/18	Umbilical cord	80B	36	White	Soft	1	0.8	0.4	0.8	0.6	0.3	3	4	4	3	4	3	4	3	4	80A	38	White	Soft	1	0.8	0.4	0.9	0.6	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4	4		
81	5400/18	Cecum ascending colon reactive LN	81B	37	Grey	Firm	1.5	1.5	0.4	1.4	1.4	0.3	3	4	4	3	4	4	4	4	3	4	81A	38	Grey	Firm	1.5	1.5	0.4	1.4	1.3	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	4		
82	5302/18	Normal ovary	82A	36	Grey	Firm	1.5	1.4	0.4	1.4	1.3	0.3	3	4	4	3	4	4	4	4	3	4	82B	37	Grey	Firm	1.5	1.4	0.4	1.4	1.2	0.3	3	4	4	3	4	4	3	4	4	4	4	3	4	4		
83	5310/18	Multiple keratinous cyst on scrotum	83A	35	Brown	Firm	1.5	1.2	0.4	1.4	1.1	0.3	3	4	4	3	4	3	4	3	4	83B	36	Brown	Firm	1.5	1.2	0.4	1.4	1.1	0.3	3	4	4	3	4	4	3	4	4	4	4	3	3	4	4		
84	5308/18	Calcinosis cutis	84B	36	Brown	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	4	4	3	3	4	84A	37	Brown	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	3	4	4	4	4	3	4	4	4
85	5302/18	Corpus luteum cyst of ovary	85A	36	Brown	Firm	1.4	1.4	0.4	1.2	1.2	0.3	3	4	4	3	4	4	4	4	3	3	4	85B	38	Brown	Firm	1.4	1.4	0.4	1.2	1.2	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4	4
86	5288/18	Low grade Endometrial stromal sarcoma	86B	36	Brown	Firm	1.5	1.2	0.4	1.4	1.2	0.3	3	4	4	3	4	4	4	4	3	3	4	86A	38	Brown	Firm	1.5	1.2	0.4	1.4	1.2	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	4	
87	5299/18	Phyllodes tumor	87A	36	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	3	4	3	4	87B	37	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4	4		
88	5216/18	Ovary	88B	36	Grey	Firm	1.4	1.1	0.3	1.3	1	0.3	3	4	4	3	4	3	4	3	4	88A	37	Grey	Firm	1.4	1.1	0.3	1.2	0.9	0.2	3	4	4	3	4	4	3	4	4	3	4	4	4	4	4		
89	5167/18	Fallopian tube	89A	36	Grey	Firm	0.9	0.9	0.3	0.8	0.8	0.2	3	4	4	3	4	3	4	3	4	89B	37	Grey	Firm	0.9	0.9	0.3	0.7	0.7	0.2	3	4	4	3	4	4	3	4	4	4	4	4	4	4			
90	5221/18	Follicular adenoma	90B	35	Grey	Firm	1.4	1.4	0.3	1.3	1.3	0.3	3	4	4	3	4	3	4	3	4	90A	38	Grey	Firm	1.4	1.4	0.3	1.3	1.3	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	4			
91	5186/18	Serous papillary cystadenocarcinoma	91A	35	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	3	4	3	4	91B	36	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	3	4	4	3	4	4	3	4	4		
92	5143/18	Granulomatous mastitis	92B	35	Grey	Firm	1.6	0.8	0.4	1.5	0.7	0.3	3	4	4	3	4	3	4	3	4	92A	36	Grey	Firm	1.6	0.8	0.4	1.5	0.6	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4			
93	5230/18	Endometrioid carcinoma	93A	35	Brown	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	3	4	3	4	93B	36	Brown	Firm	1.3	1.3	0.4	1																			

Sr. No.	HP. No.	HP Diagnosis	Routine	Marks	Color	consistency	Dimentions Before processing			Dimentions after processing			Cellular outline	Clarity	Integrity of tissue	N:C contrast	Eosinophilia/Granularity	Clarity of nucleus and nucleoli	Clarity of nuclear membrane	Clarity of chromatin	Colour intensity	Uniformity	Microwave	Marks	Color	consistency	Dimentions Before processing			Dimentions after processing			Cellular outline	Clarity	Integrity of tissue	N:C contrast	Eosinophilia/Granularity	Clarity of nucleus and nucleoli	Clarity of nuclear membrane	Clarity of chromatin	Colour intensity	Uniformity				
117	5611/18	Fallopian tube (Tubal ectopic pregnancy)	117A	37	Brown	Firm	1.5	1.3	0.4	1.4	1.2	0.3	3	4	4	3	4	4	4	4	4	4	117B	38	Brown	Firm	1.5	1.3	0.4	1.4	1.2	0.3	3	4	4	3	4	4	4	4	4	4	4	4	4	
118	5654/18	Ruptured spleen	118B	36	Black	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	3	4	4	4	4	118A	37	Black	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	
119	5629/18	Fibroadenoma	119B	36	Yellow	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	3	4	4	4	4	119A	38	Yellow	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	
120	18/19	Ileal colostomy	120B	35	Grey	Firm	1.5	1.3	0.4	1.4	1.2	0.3	3	4	4	3	4	3	4	4	4	4	120A	35	Grey	Firm	1.5	1.3	0.4	1.4	1.2	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	
121	23/19	Ovary	121B	37	Brown	Firm	1.6	1.6	0.4	1.4	1.4	0.3	3	4	4	3	4	4	4	4	4	4	121A	38	Brown	Firm	1.6	1.6	0.4	1.4	1.4	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	
122	Jun-19	Endometrium	122A	37	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	4	4	4	4	122B	38	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	
123	23/19	Tuberculosis of Fallopian tube	123A	36	Grey	Firm	1.4	1	0.4	1.3	0.9	0.3	3	4	4	3	4	3	4	4	4	4	123B	36	Grey	Firm	1.4	1	0.4	1.3	0.9	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	
124	85/19	Transurethral Resection of Prostate	124B	36	Grey	Firm	1.2	1.2	0.4	1.1	1.1	0.3	3	4	4	3	4	3	4	4	4	4	124A	38	Grey	Firm	1.2	1.2	0.4	1.1	1.1	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	
125	11A/19	Fibroadenoma	125A	36	Grey	Firm	1.5	1.1	0.4	1.4	1	0.2	3	4	4	3	4	4	4	4	4	4	125B	38	Grey	Firm	1.5	1.1	0.4	1.4	1	0.2	3	4	4	3	4	4	3	4	4	4	4	4	4	
126	69/19	Pleomorphic adenoma	126A	36	Grey	Firm	1.5	1.4	0.4	1.4	1.3	0.3	3	4	4	3	4	4	4	4	4	4	126B	38	Grey	Firm	1.5	1.4	0.4	1.4	1.3	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	
127	76/19	External piles	127B	37	Brown	Firm	1.1	0.9	0.3	1	0.8	0.2	3	4	4	3	4	4	4	4	4	4	127A	38	Brown	Firm	1.1	0.9	0.3	1	0.8	0.2	3	4	4	3	4	4	3	4	4	4	4	4	4	
128	R-1/19	Seminoma embryonal ca and YST	128A	36	Brown	Firm	1.5	1.5	0.4	1.4	1.4	0.3	3	4	4	3	4	4	4	4	4	4	128B	36	Brown	Firm	1.5	1.5	0.4	1.4	1.4	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	
129	Dec-19	Testicular infarct	129B	35	Black	Firm	1.5	1.4	0.4	1.4	1.3	0.3	3	4	4	3	4	3	4	4	4	4	129A	35	Black	Firm	1.5	1.4	0.4	1.4	1.3	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	
130	19/19	Appendix-reactive lymphoid hyperplasia	130A	35	Grey	Firm	1.1	0.6	0.4	0.9	0.5	0.3	3	4	4	3	4	3	4	4	4	4	130B	35	Grey	Firm	1.1	0.6	0.4	1	0.5	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	
131	93/19	Carcinosarcoma of salivary gland	131A	36	Grey	Firm	1.5	1.4	0.4	1.4	1.3	0.3	3	4	4	3	4	3	4	4	4	4	131B	37	Grey	Firm	1.5	1.4	0.4	1.3	1.2	0.2	3	4	4	3	4	4	3	4	4	4	4	4	4	
132	94/19	Chronic Cholecystitis	132B	35	Green	Firm	1.3	0.5	0.4	1.2	0.4	0.3	3	4	4	3	4	3	4	4	4	4	132A	37	Green	Firm	1.3	0.5	0.4	1.2	0.4	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4
133	99/19	Spleen	133A	38	Black	Firm	1.5	1.4	0.4	1.4	1.3	0.3	3	4	4	3	4	4	4	4	4	4	133B	38	Black	Firm	1.5	1.4	0.4	1.4	1.3	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4
134	144/19	Tonsil	134B	36	Grey	Firm	1.2	0.9	0.4	1.1	0.8	0.3	3	4	4	3	4	4	4	4	4	4	134A	38	Grey	Firm	1.2	0.9	0.4	1	0.8	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	4
135	157/19	Ileum	135A	36	Grey	Firm	1.3	0.3	0.3	1.2	0.2	0.2	3	4	4	3	4	4	4	4	4	4	135B	37	Grey	Firm	1.3	0.3	0.3	1.2	0.2	0.2	3	4	4	3	4	4	3	4	4	4	4	4	4	4
136	116/19	Colostomy	136B	36	Grey	Firm	1.3	1.1	0.4	1.2	1	0.3	3	4	4	3	4	3	4	4	4	4	136A	37	Grey	Firm	1.3	1.1	0.4	1.2	1	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4
137	173/19	Cervix	137A	35	Cream	Firm	1.6	1.2	0.3	1.5	1.1	0.2	3	4	4	3	4	3	4	4	4	4	137B	35	Cream	Firm	1.6	1.2	0.3	1.5	1.1	0.2	3	4	4	3	4	4	3	4	4	3	4	4	4	4
138	196/19	Keratinous cyst	138A	36	Grey	Firm	1.4	0.9	0.4	1.3	0.8	0.3	3	4	4	3	4	3	4	4	4	4	138B	37	Grey	Firm	1.4	0.9	0.4	1.3	0.8	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4
139	170/19	Gall bladder	139A	35	Brown	Firm	1.3	0.5	0.4	1.2	0.4	0.3	3	4	4	3	4	3	4	4	4	4	139B	36	Brown	Firm	1.3	0.5	0.4	1.2	0.4	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4
140	105/19	Immature teratoma	140A	37	Grey	Firm	1.5	1.5	0.4	1.4	1.4	0.3	3	4	4	4	4	3	4	4	4	4	140B	39	Grey	Firm	1.5	1.5	0.4	1.4	1.4	0.3	4	4	4	4	4	4	4	4	3	4	4	4	4	4
141	198/19	Placenta	141B	35	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	3	4	4	4	4	141A	37	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	
142	198/19	Umbilical cord	142B	35	Grey	Firm	1.1	0.8	0.4	1	0.7	0.3	3	4	4	3	4	3	4	4	4	4	142A	36	Grey	Firm	1.1	0.8	0.4	1	0.7	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4
143	117/19	Gall Bladder	143B	35	Green	Firm	1.6	0.6	0.4	1.5	0.5	0.3	3	4	4	3	4	3	4	4	4	4	143A	37	Green	Firm	1.6	0.6	0.4	1.4	0.5	0.3	3	4	4	3	4	4	3	4	4	4	4	3	4	4
144	157/19	Inflammatory bowel disease	144A	36	Grey	Firm	1.5	1	0.4	1.4	0.9	0.3	3	4	4	3	4	4	4	4	4	4	144B	38	Grey	Firm	1.5	1	0.4	1.4	0.9	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	4
145	185/19	Cervical polyp	145B	36	Grey	Firm	1.6	1.4	0.4	1.5	1.3	0.3	3	4	4	3	4	3	4	4	4	4	145A	37	Grey	Firm	1.5	1.4	0.4	1.4	1.2	0.2	3	4	4	3	4	4	3	4	4	4	4	4	4	4
146	221/19	Lymphangioma	146A	37	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	3	4	4	4	4	146B	37	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4
147	222/19	Keratinous cyst	147B	36	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	4	4	3	4	4	4	4	147A	38	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
148	223/19	Moderately differentiated endometrial adenocar	148A	35	Grey	Firm	1.5	1.5	0.4	1.4	1.3	0.2	3	4	4	3	4	3	4	4	4	4	148B	37	Grey	Firm	1.5	1.5	0.4	1.4	1.3	0.2	3	4	4	4	4	4	4	4	3	4	4	3	4	4
149	242/19	Acute appendicitis	149B	35	Brown	Firm	1.4	0.8	0.4	1.3	0.7	0.3	3	4	4	3	4	3	4	4	4	4	149A	37	Brown	Firm	1.4	0.8	0.4	1.2	0.7	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4
150	243/19	Perianal sinus	150A	36	Brown	Firm	1.5	1.3	0.4	1.4	1.2	0.3	3	4	4	3	4	3	4	4	4	4	150B	36	Brown	Firm	1.5	1.3	0.4	1.3	1.2	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4
151	270/19	Fibroadenoma	151B	36	Yellow	Firm	1.5	1.4	0.3	1.4	1.3	0.2	3	4	4	3	4	3	4	4	4	4	151A	38	Yellow	Firm	1.5	1.4	0.3	1.4	1.3	0.2	3	4	4	4	4	4	4	3	4	4	4	4	4	4
152	213/19	Symplastic leiomyoma	152A	36	Grey	Firm	1.5	1.4	0.3	1.4	1.3	0.2	3	4	4	3	4	3	4	4	4	4	152B	38	Grey	Firm	1.5	1.4	0.4	1.3	1.2	0.2	3	4	4	3	4	4	3	4	4	4	4	4	4	4
153	5639/18	Tubal ectopic pregnancy	153A	35	Brown	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	3	4	4	4	4	153B	35	Brown																					

Sr. No.	HP. No.	HP Diagnosis	Routine	Marks	Color	consistency	Dimentions Before processing			Dimentions after processing			Cellular outline	Clarity	Integrity of tissue	N:C contrast	Eosinophilia/Granularity	Clarity of nucleus and nucleoli	Clarity of nuclear membrane	Clarity of chromatin	Colour intensity	Uniformity	Microwave	Marks	Color	consistency	Dimentions Before processing			Dimentions after processing			Cellular outline	Clarity	Integrity of tissue	N:C contrast	Eosinophilia/Granularity	Clarity of nucleus and nucleoli	Clarity of nuclear membrane	Clarity of chromatin	Colour intensity	Uniformity					
176	375/19	Lipoma	176B	36	yellow	Soft	1.5	1.4	0.3	1.4	1.3	0.2	3	4	4	3	4	3	4	4	4	4	176A	38	Yellow	Soft	1.5	1.4	0.3	1.4	1.2	0.2	3	4	4	3	4	4	4	4	4	4	4	4	4		
177	371/19	Mucinous adenoca-rectum, sigmoid colon	177B	37	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	4	3	4	4	177A	37	Grey	Firm	1.4	1.4	0.4	1.2	1.2	0.3	3	4	4	3	4	4	4	4	4	4	3	4	4		
178	334/19	Clear cell carcinoma kidney	178B	36	Grey	Firm	1.5	1.2	0.4	1.4	1.1	0.3	3	4	4	3	4	3	4	4	4	178A	39	Grey	Firm	1.5	1.2	0.4	1.4	1.1	0.3	4	4	4	3	4	4	4	4	4	4	4	4	4			
179	347/19	Uterus myometrium	179B	35	Grey	Firm	1.5	1.3	0.3	1.4	1.2	0.2	3	4	4	3	4	3	4	4	4	179A	37	Grey	Firm	1.5	1.3	0.3	1.4	1.2	0.2	3	4	4	3	4	4	3	4	4	3	4	4	4	4		
180	365/19	Dermoid cyst	180A	36	Grey	Firm	1.4	0.5	0.3	1.3	0.4	0.2	3	4	4	3	4	3	4	4	4	180B	36	Grey	Firm	1.4	0.5	0.3	1.3	0.4	0.2	3	4	4	3	4	4	3	4	4	3	4	4	4	4		
181	356/19	Chronic cholecystitis	181A	36	Green	Firm	1.3	1.1	0.4	1.2	1	0.3	3	4	4	3	4	3	4	4	4	181B	38	Green	Firm	1.3	1.1	0.4	1.2	1	0.3	3	4	4	4	4	4	4	4	4	4	4	4	4	4		
182	350/19	Utetus myometrium	182B	35	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	3	4	4	4	182A	37	Grey	Firm	1.3	1.3	0.4	1.2	1.1	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4		
183	401/19	Infiltrating ductal ca breast	183B	37	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	4	4	4	3	4	3	4	4	4	183A	39	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	4	4	4	3	4	4	3	4	4	4	4	4	4	4		
184	372/19	Breast IDC with desmoplasia and infarct	184B	35	Grey	Firm	1.5	1.3	0.4	1.4	1.2	0.3	3	4	4	3	4	3	4	4	4	184A	35	Grey	Firm	1.5	1.3	0.4	1.4	1.2	0.3	3	4	4	3	4	4	3	4	4	3	4	4	3	4		
185	432/19	Complete mole	185B	35	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	3	4	4	4	185A	35	Grey	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	3	4	4	3	4	4	3	4	4	
186	439/19	Fibroadenoma	186B	36	Grey	Firm	1.6	1.3	0.4	1.5	1.2	0.3	3	4	4	3	4	3	4	4	4	186A	38	Grey	Firm	1.6	1.3	0.4	1.5	1.2	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	4		
187	469/19	Leiomyoma	187A	35	Grey	Firm	1.5	1.4	0.4	1.4	1.3	0.3	3	4	4	3	4	3	4	4	4	187B	37	Grey	Firm	1.5	1.4	0.4	1.4	1.2	0.3	3	4	4	3	4	4	3	4	4	4	4	4	3	4	4	
188	435/19	Mature cystic teratoma	188A	36	Grey	Firm	1.5	1.5	0.4	1.4	1.4	0.3	3	4	4	3	4	3	4	4	4	188B	36	Grey	Firm	1.5	1.5	0.4	1.4	1.3	0.3	3	4	4	3	4	4	3	4	4	3	4	4	3	4	4	
189	461/19	Benign fibrous histiocytoma	189A	36	Grey	Firm	1.5	1.3	0.4	1.4	1.2	0.3	3	4	4	3	4	3	4	4	4	189B	38	Grey	Firm	1.5	1.3	0.4	1.3	1.1	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	4		
190	427/19	Glioblastoma multiforme	190A	37	Grey	Firm	1.4	1.3	0.4	1.3	1.2	0.3	3	4	4	3	4	4	4	4	4	190B	39	Grey	Firm	1.4	1.3	0.4	1.3	1.2	0.3	4	4	4	3	4	4	3	4	4	4	4	4	4	4		
191	495/19	Follicular adenoma	191A	36	Grey	Firm	1.5	0.9	0.4	1.4	0.8	0.3	3	4	4	3	4	3	4	4	4	191B	37	Grey	Firm	1.5	0.9	0.4	1.3	0.8	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4	4	
192	467/19	Endometrioid carcinoma	192B	36	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	3	4	4	4	192A	37	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4	4	
193	407/19	Well differentiated SSC	193A	36	Grey	Firm	1.4	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	3	4	4	4	193B	38	Grey	Firm	1.4	1.3	0.4	1.3	1.2	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4	4	
194	445/19	Pancreas	194A	36	Grey	Firm	1.5	1.4	0.4	1.4	1.3	0.3	3	4	4	3	4	3	4	4	4	194B	37	Grey	Firm	1.5	1.4	0.4	1.4	1.3	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4	4	
195	513/19	Endometrioid polyp	195B	35	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	3	4	4	4	195A	36	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	3	4	4	3	4	4	3	4	4	
196	534/19	Tubal ectopic pregnancy	196B	36	Brown	Firm	1.9	1.1	0.4	1.8	1.2	0.3	3	4	4	4	4	3	4	4	4	196A	37	Brown	Firm	1.9	1.1	0.4	1.8	1.2	0.3	3	4	4	4	4	4	4	4	4	3	4	4	3	4	4	
197	539/19	Appendix	197A	37	Grey	Firm	0.8	0.7	0.4	0.7	0.6	0.3	3	4	4	4	4	3	4	4	4	197B	37	Grey	Firm	0.8	0.7	0.4	0.7	0.5	0.3	3	4	4	4	4	4	4	4	4	3	4	4	3	4	4	
198	568/19	Keloid	198A	36	Grey	Firm	1.4	1.4	0.3	1.3	1.3	0.2	3	4	4	4	4	3	4	4	4	198B	37	Grey	Firm	1.4	1.4	0.3	1.3	1.3	0.2	3	4	4	4	4	4	4	4	4	3	4	4	3	4	4	
199	563/19	Leiomyosarcoma	199A	37	Grey	Firm	1.3	1.3	0.3	1.2	1.2	0.2	3	4	4	4	4	3	4	4	4	199B	38	Grey	Firm	1.3	1.3	0.3	1.2	1.2	0.2	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	
200	590/19	Synovial tissue from knee joint	200A	36	Grey	Firm	1.6	0.8	0.4	1.5	0.7	0.3	3	4	4	3	4	3	4	4	4	200B	37	Grey	Firm	1.6	0.8	0.4	1.5	0.7	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4	4	
201	595/19	Tuberculous inflammation-intestine	201A	36	Grey	Firm	1.5	1.5	0.4	1.4	1.4	0.3	3	4	4	3	4	3	4	4	4	201B	38	Grey	Firm	1.5	1.5	0.4	1.4	1.4	0.3	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	
202	560/19	Intestine-diverticulitis	202A	36	Brown	Firm	1.7	1.1	0.4	1.5	1	0.3	3	4	4	3	4	3	4	4	4	202B	38	Brown	Firm	1.7	1.1	0.4	1.5	1	0.3	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4
203	635/19	Sacral region swelling-myelocoele	203A	37	Brown	Firm	1.8	1.4	0.4	1.7	1.3	0.3	3	4	4	3	4	4	4	4	4	203B	37	Brown	Firm	1.8	1.4	0.4	1.6	1.3	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	4	4	
204	607/19	Testis	204B	36	Grey	Firm	1.5	1.5	0.4	1.5	1.3	0.3	3	4	4	4	4	3	4	4	4	204A	38	Grey	Firm	1.5	1.5	0.4	1.5	1.4	0.3	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	
205	623/19	Normal salivary gland (Parotid gland)	205B	36	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	4	4	3	4	4	4	205A	38	Grey	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	
206	627/19	D&C Simple hyperplasia	206B	38	Brown	Firm	1.5	1.3	0.4	1.4	1.2	0.3	3	4	4	4	4	3	4	4	4	206A	38	Brown	Firm	1.5	1.3	0.4	1.4	1.2	0.3	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	
207	648/19	Chronic Pyelonephritis	207B	38	Grey	Firm	1.2	1.2	0.3	1.1	1.1	0.2	3	4	4	4	4	3	4	4	4	207A	38	Grey	Firm	1.2	1.2	0.3	1.1	1.1	0.2	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	
208	675/19	Cervix	208B	36	Grey	Firm	1.3	1.2	0.4	1.1	1.1	0.3	3	4	4	4	4	3	4	4	4	208A	38	Grey	Firm	1.3	1.2	0.4	1.2	1.1	0.3	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	
209	690/19	Fibroadenoma	209B	37	Grey	Firm	1.4	1.3	0.4	1.3	1.2	0.3	3	4	4	4	4	3	4	4	4	209A	38	Grey	Firm	1.4	1.3	0.4	1.3	1.2	0.3	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	
210	698/19	Appendix-reactive lymphoid hyperplasia	210B	37	Brown	Firm	0.9	0.8	0.4	0.8	0.7	0.3	3	4	4	4	4	3	4	4	4	210A	37	Brown	Firm	0.9	0.8	0.4	0.8	0.7	0.3	3	4	4	4	4	4	4	4	4	3	4	4	4	3	4	4
211	701/19	Perianal sinus tract	211A	36	Grey	Firm	1.5	1.4	0.4	1.4	1.3	0.3	3	4	4	4	4	3	4	4	4	211B	38	Grey	Firm	1.5	1.4	0.4	1.3	1.2	0.3	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	
212	726/19	Well differentiated SCC in testis and vas deference	212B	36	Black	Firm	1.4	1.3	0.4	1.3	1.2	0.3	3	4	4	4	4																														

Sr. No.	HP. No.	HP Diagnosis	Routine	Marks	Color	consistency	Dimentions Before processing			Dimentions after processing			Cellular outline	Clarity	Integrity of tissue	N:C contrast	Eosinophilia/Granularity	Clarity of nucleus and nucleoli	Clarity of nuclear membrane	Clarity of chromatin	Colour intensity	Uniformity	Microwave	Marks	Color	consistency	Dimentions Before processing			Dimentions after processing			Cellular outline	Clarity	Integrity of tissue	N:C contrast	Eosinophilia/Granularity	Clarity of nucleus and nucleoli	Clarity of nuclear membrane	Clarity of chromatin	Colour intensity	Uniformity			
239	1203/19	Keloid	239A	35	Brown	Firm	1.5	1.2	0.4	1.4	1.1	0.3	3	4	4	3	4	3	4	3	3	4	239B	35	Brown	Firm	1.5	1.2	0.4	1.3	1.1	0.3	3	4	4	3	3	4	3	4	4	3	4	4	
240	1207/19	Adenomatous goiter	240B	35	Brown	Firm	1.3	1.1	0.4	1.2	1	0.3	3	4	4	3	4	3	4	3	3	4	240A	37	Brown	Firm	1.3	1.1	0.4	1.2	1	0.3	3	4	4	3	4	4	3	4	4	3	4	4	
241	1244/19	Endometrial adenocarcinoma	241A	35	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	3	4	3	4	3	3	4	241B	36	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	3	4	4	3	4	3	4	4	4	
242	1228/19	Dermoid cyst of ovary	242B	37	Brown	Firm	1.5	1.3	0.4	1.4	1.2	0.3	3	4	4	4	4	3	4	4	3	4	242A	38	Brown	Firm	1.5	1.3	0.4	1.3	1.1	0.2	3	4	4	4	4	4	3	4	4	4	4	4	
243	1249/19	Corpus leuteum cyst	243A	36	Brown	Firm	1.4	1.3	0.3	1.3	1.1	0.2	3	4	4	3	4	3	4	4	3	4	243B	38	Brown	Firm	1.4	1.3	0.3	1.3	1.1	0.2	3	4	4	4	4	4	3	4	4	4	4	4	
244	1253/19	Corpus leuteum cyst	244B	35	Brown	Firm	1.5	1.4	0.4	1.3	1.2	0.3	3	4	4	3	4	3	4	3	4	244A	37	Brown	Firm	1.5	1.4	0.4	1.4	1.3	0.3	3	4	4	3	4	4	3	4	4	4	4	4		
245	1303/19	Gartner duct cyst	245A	37	Brown	Firm	1.8	0.7	0.4	1.7	0.6	0.3	4	4	4	3	4	3	4	3	4	245 B	39	Brown	Firm	1.8	0.7	0.4	1.6	0.6	0.3	4	4	4	3	4	4	3	4	4	4	4	4		
246	1201/19	Fibroadenoma	246B	35	Grey	Firm	1.3	1.3	0.3	1.2	1.2	0.2	3	4	4	3	4	3	4	3	4	246A	36	Grey	Firm	1.3	1.3	0.3	1.2	1.2	0.2	3	4	4	3	4	4	3	4	3	4	3	4	4	
247	1233/19	Benign Prostatic Hyperplasia	247A	36	Grey	Firm	1.3	0.9	0.4	1.2	0.8	0.3	3	4	4	3	4	3	4	3	4	247B	38	Grey	Firm	1.3	0.9	0.4	1.2	1.8	0.3	4	4	4	3	4	4	3	4	3	4	4	4	4	
248	1359/19	Pacreas(whipple procedure)	248B	36	Brown	Firm	1.5	1.3	0.4	1.4	1.2	0.3	3	4	4	3	4	3	4	3	4	248A	37	Brown	Firm	1.5	1.3	0.4	1.4	1.2	0.3	3	4	4	3	4	4	3	4	3	4	4	4	4	
249	1376/19	Salivary gland(Hemiglossectomy SCC)	249A	36	Brown	Firm	1.7	1	0.3	1.6	0.9	0.2	3	4	4	3	4	3	4	3	4	249B	37	Brown	Firm	1.7	1	0.3	1.5	0.9	0.2	3	4	4	3	4	4	3	4	3	4	4	4	4	
250	1380/19	Meningothelial meningioma	250B	35	Brown	Firm	1.5	1.3	0.3	1.4	1.2	0.2	3	4	4	3	4	3	4	3	4	250A	37	Brown	Firm	1.5	1.3	0.3	1.4	1.2	0.2	3	4	4	3	4	4	3	4	3	4	4	4	4	
251	1393/19	Fallopian tube(Tubal ectopic pregnancy)	251A	38	Brown	Firm	1.2	1.2	0.4	1	1	0.3	4	4	4	3	4	4	4	4	4	251B	38	Brown	Firm	1.2	1.2	0.4	1	1	0.3	4	4	4	3	4	4	3	4	3	4	4	4	4	
252	1421/19	Papillary thyroid carcinoma	252B	36	Brown	Firm	1.4	1.3	0.4	1.3	1.2	0.3	3	4	4	3	4	4	4	4	4	252A	39	Brown	Firm	1.4	1.3	0.4	1.3	1.2	0.3	4	4	4	3	4	4	3	4	4	4	4	4	4	
253	1444/19	Cervical Lymphnode	253A	36	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	3	3	4	4	4	3	4	253B	37	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	3	3	4	4	3	4	4	4	4	4
254	A125/19	Lung	254A	37	Brown	Firm	1.5	1.1	0.3	1.4	1	0.2	3	4	4	3	4	4	4	4	3	4	254B	37	Brown	Firm	1.5	1.1	0.3	1.4	1	0.2	3	4	4	3	4	4	3	4	4	4	3	4	4
255	A125/19	Kidney	255A	36	Brown	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	3	4	3	4	255B	37	Brown	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	3	4	3	4	4	4	4	
256	A125/19	Heart	256A	35	Brown	Firm	1.3	1.2	0.4	1.2	1.1	0.3	3	4	4	3	4	3	4	3	4	256B	37	Brown	Firm	1.3	1.2	0.4	1.2	1.1	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4	
257	A125/19	Spleen	257A	36	Brown	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	4	4	3	4	257B	38	Brown	Firm	1.4	1.4	0.4	1.3	1.3	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4
258	A125/19	Brain	258A	37	Brown	Soft	1.5	1.5	0.3	1.4	1.4	0.2	3	4	4	3	4	4	4	4	3	4	258B	37	Brown	Soft	1.5	1.5	0.3	1.4	1.4	0.2	3	4	4	3	4	4	3	4	3	4	4	4	4
259	A123/19	Liver	259A	37	Brown	Firm	1.6	1.1	0.3	1.5	1	0.2	3	4	4	3	4	3	4	3	4	259B	37	Brown	Firm	1.6	1.1	0.3	1.5	1	0.2	3	4	4	3	4	4	3	4	3	4	4	4	4	
260	A123/19	Coronary artery	260A	35	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	3	4	3	4	3	4	260B	35	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	3	4	4	3	4	3	4	3	4	4	
261	1528/19	Ectopic pregnancy	261B	37	Brown	Soft	1.5	1.2	0.4	1.4	1	0.3	4	4	4	3	4	3	4	3	4	261A	38	Brown	Soft	1.5	1.2	0.4	1.3	1.1	0.3	4	4	4	3	4	4	3	4	3	4	4	4	4	
262	1812/19	Infiltrating ductal Carcinoma	262A	38	Brown	Firm	1.1	1.1	0.3	1	1	0.2	4	4	4	3	4	3	4	3	4	262B	38	Brown	Firm	1.1	1.1	0.3	1	1	0.2	4	4	4	3	4	4	3	4	3	4	4	4	4	
263	1931/19	Torsion of testis	263B	36	Brown	Firm	1.2	1.2	0.3	1.1	1.1	0.2	3	4	4	3	4	3	4	3	4	263A	38	Brown	Firm	1.2	1.2	0.3	1	1	0.2	4	4	4	3	4	4	3	4	3	4	4	4	4	
264	1962/19	Placenta previa	264A	37	Brown	Firm	1.5	1.3	0.4	1.4	1.2	0.3	4	4	4	3	4	3	4	3	4	264B	39	Brown	Firm	1.5	1.3	0.4	1.4	1	0.3	4	4	4	4	4	4	4	3	4	4	4	4	4	
265	1964/19	Fibrocystic change with inflammation	265A	36	yellow	Firm	1.5	1.1	0.3	1.4	1	0.2	3	4	4	3	4	3	4	4	3	4	265B	38	Yellow	Firm	1.5	1.1	0.3	1.4	1	0.2	4	4	4	3	4	4	3	4	3	4	4	4	4
266	1973/19	Uterus	266B	36	Grey	Firm	1.4	1.1	0.4	1.3	1	0.2	3	4	4	3	4	3	4	3	4	266A	37	Grey	Firm	1.4	1.1	0.4	1.2	1	0.3	3	4	4	3	4	4	3	4	3	4	4	4	4	
267	1982/19	Uterus with leomyoma	267A	37	Brown	Firm	1.3	1.1	0.4	1.2	1	0.3	3	4	4	3	4	4	4	4	3	4	267B	38	Brown	Firm	1.3	1.1	0.4	1.2	1	0.3	3	4	4	3	4	4	3	4	4	3	4	4	4
268	2045/19	Central neurocytoma	268B	36	Brown	Firm	1.4	1.3	0.4	1.2	1.1	0.3	3	4	4	3	4	3	4	3	4	268A	36	Brown	Firm	1.4	1.3	0.4	0	1.1	0.3	3	4	4	3	4	4	3	4	3	4	4	3	4	
269	2093/19	Pleomorphic adenoma	269A	38	Cream	Firm	1.2	1.1	0.4	1.1	1	0.3	3	4	4	4	4	4	4	4	3	4	269B	39	Cream	Firm	1.2	1.1	0.4	1.1	1	0.3	3	4	4	4	4	4	4	4	4	4	4	4	4
270	2081/19	Colloid goiter	270A	36	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	3	4	3	4	3	4	270B	38	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	4	4	4	4	4	4	4	3	4	4	
271	2132/19	Keratinous cyst	271B	36	Brown	Firm	1.3	1.3	0.3	1	1	0.2	3	4	4	3	4	3	4	3	4	271A	38	Brown	Firm	1.3	1.3	0.3	1.1	1.1	0.2	3	4	4	3	4	4	3	4	4	4	4	4	4	
272	2033/19	Acute appendicitis	272A	36	Brown	Firm	0.8	0.6	0.3	0.7	0.5	0.2	3	4	4	3	4	3	4	3	4	272B	37	Brown	Firm	0.8	0.6	0.3	0.7	0.5	0.2	3	4	4	3	4	4	3	4	3	4	4	4	4	
273	2136/19	Adenocarcinoma colon	273A	38	Brown	Firm	1.4	1.3	0.4	1.3	1.2	0.3	3	4	4	3	4	3	4	3	4	273B	38	Brown	Firm	1.4	1.3	0.4	1.2	1.1	0.3	3	4	4	3	4	4	3	4	3	4	4	4	4	
274	2157/19	Fibroadenoma	274B	36	Cream	Firm	1.4	1.3	0.4	1.2	1.1	0.3	3	4	4	3	4	3	4	3	4	274A	37	Cream	Firm	1.4	1.3	0.4	1.1	1.1	0.3	3	4	4	3	4	4	3	4	3	4	4	4	4	
275	2173/19	Follicular adenoma thyroid	275A	36	Brown	Firm	1.2	1.2	0.4	1	1	0.3	3	4	4	3	4	3	4	3	4	275B	37	Brown	Firm	1.2	1.2	0.4	1.1	1.1	0.3	3	4	4	3	4	4	3	4	3	4	4	4	4	
276	2228/19	Hyperplastic myometrium	276B	36	Brown	Firm	1.3	1.1	0.4	1.2	1	0.3	3	4	4	3	4	3	4	3	4	276A	37	Brown	Firm	1.3	1.1	0.4	1.2	1	0.3														

Sr. No.	HP. No.	HP Diagnosis	Routine	Marks	Color	consistency	Dimentions Before processing			Dimentions after processing			Cellular outline	Clarity	Integrity of tissue	N:C contrast	Eosinophilia/Granularity	Clarity of nucleus and nucleoli	Clarity of nuclear membrane	Clarity of chromatin	Colour intensity	Uniformity	Microwave	Marks	Color	consistency	Dimentions Before processing			Dimentions after processing			Cellular outline	Clarity	Integrity of tissue	N:C contrast	Eosinophilia/Granularity	Clarity of nucleus and nucleoli	Clarity of nuclear membrane	Clarity of chromatin	Colour intensity	Uniformity				
302	2779/19	Ulcerated mucosa and inflammation	302B	37	Grey	Firm	1.7	0.7	0.4	1.6	0.6	0.3	3	4	4	3	4	4	4	4	3	4	302A	38	Grey	Firm	1.7	0.7	0.4	1.6	0.6	0.3	3	4	4	3	4	4	3	4	4	4	4	4		
303	2794/19	Trichilemmal cyst	303A	37	Cream	Firm	1.1	0.9	0.4	1.1	0.8	3	3	4	4	3	4	4	4	4	3	4	303B	37	Cream	Firm	1.1	0.9	0.4	1.1	0.7	0.3	3	4	4	3	4	4	3	4	4	4	3	4		
304	2804/19	Serous cystadenoma ovary	304A	37	Cream	Firm	1.1	1	0.4	1	1	0.3	3	4	4	3	4	4	4	4	3	4	304B	38	Cream	Firm	1.1	1	0.4	0.9	0.9	0.2	3	4	4	3	4	4	3	4	4	4	4	4		
305	2809/19	Pleomorphic adenoma	305B	37	Grey	Firm	1.2	1.2	0.3	1.1	1.1	0.2	3	4	4	3	4	4	4	4	3	4	305A	39	Grey	Firm	1.2	1.2	0.3	1.1	1.1	0.2	3	4	4	4	4	4	4	4	4	4	4	4		
306	2816/19	Acute appendicitis	306A	36	Brown	Firm	0.7	0.5	0.3	0.6	0.4	0.2	3	4	4	3	4	3	4	4	3	4	306B	36	Brown	Firm	0.7	0.5	0.3	0.6	0.4	0.2	3	4	4	3	4	4	3	4	3	4	4	3	4	
307	2819/19	Benign ProstaticHyperplasia	307A	36	Grey	Firm	1.4	1.3	0.4	1.3	1.2	0.3	3	4	4	3	4	3	4	4	3	4	307B	37	Grey	Firm	1.4	1.3	0.4	1.2	1.1	0.2	3	4	4	3	4	4	3	4	3	4	4	4	4	
308	2840/19	Cervix	308A	35	Cream	Firm	1.3	1.1	0.3	1.2	1	0.2	3	4	4	3	4	3	4	3	4	308B	36	Cream	Firm	1.3	1.1	0.3	1.2	1	0.2	3	4	4	3	4	4	3	4	3	4	4	3	4	4	
309	2852/19	IDC-Desmoplastic breast tissue	309B	36	Grey	Firm	1.2	1.2	0.3	1.1	1.1	3	3	4	4	3	4	3	4	3	4	309A	36	Grey	Firm	1.2	1.2	0.3	1	1	0.2	3	4	4	3	4	4	3	4	3	4	4	3	4	4	
310	2864/19	Intramuscular hemangioma	310A	35	Brown	Firm	1.1	0.9	0.3	1	0.8	0.2	3	4	4	3	4	3	4	3	4	310B	36	Brown	Firm	1.1	0.9	0.3	1	0.8	0.2	3	4	4	3	4	4	3	4	3	4	4	3	4	4	
311	2862/19	Follicular adenoma	311B	36	Brown	Firm	1.2	1.2	0.4	1.1	1.1	0.3	3	4	4	3	4	4	4	3	4	311A	37	Brown	Firm	1.2	1.2	0.4	1.1	1.1	0.3	3	4	4	3	4	4	3	4	4	4	3	4	4	4	
312	2878/19	Intestine	312A	36	Brown	Firm	1.6	0.5	0.3	1.5	0.4	0.2	3	4	4	3	4	4	4	3	4	312B	37	Brown	Firm	1.6	0.5	0.3	1.5	0.4	0.2	3	4	4	3	4	4	3	4	4	4	3	4	4	4	
313	2906/19	Follicular adenoma	313B	36	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	3	4	4	4	3	4	313A	37	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	3	4	4	3	4	4	4	3	4	4	4	
314	2908/19	Metastatic epithelial malignancy	314A	36	Grey	Firm	1.2	1.2	0.3	1.1	1.1	0.2	3	4	4	3	4	4	4	3	4	314B	36	Grey	Firm	1.2	1.2	0.3	1.1	1.1	0.2	3	4	4	3	4	4	3	4	4	4	3	4	3	4	
315	2914/19	Inflammatory nasal polyp	315A	36	Cream	Firm	1.5	1.5	0.3	1.4	1.3	0.2	3	4	4	3	4	4	4	3	4	315B	36	Cream	Firm	1.5	1.5	0.3	1.4	1.4	0.2	3	4	4	3	4	4	3	4	4	4	3	3	4	4	
316	2923/19	Hashimoto thyroiditis	316B	37	Brown	Firm	1.3	1.2	0.3	1.2	1	0.2	3	4	4	3	4	4	4	3	4	316A	38	Brown	Firm	1.3	1.2	0.3	1.2	1.1	0.2	3	4	4	3	4	4	3	4	4	4	4	4	4	4	
317	2945/19	Chronic cholecystitis	317A	37	Brown	Firm	1.4	0.6	0.4	0.51	0.5	0.3	3	4	4	4	4	3	4	4	3	4	317B	39	Brown	Firm	1.4	0.6	0.4	1.3	0.5	0.3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
318	3005/19	IDC metastasis in LN	318A	36	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	3	4	3	4	4	3	4	318B	36	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	3	4	4	3	4	4	3	4	4	3	4
319	3009/19	IDC metastasis in LN	319A	37	Brown	Firm	1.4	1.4	0.3	1.3	1.3	0.2	3	4	4	3	4	4	4	3	4	319B	39	Brown	Firm	1.4	1.4	0.3	1.2	1.2	0.2	4	4	4	3	4	4	3	4	4	4	4	4	4	4	
320	3049/19	Goiter with cystic change	320A	36	Brown	Firm	1.3	0.6	0.3	1.2	0.5	0.2	3	4	4	3	4	4	4	3	4	320B	37	Brown	Firm	1.3	0.6	0.3	1.2	0.5	0.2	3	4	4	3	4	4	3	4	4	4	3	4	4	4	
321	3055/19	Gynaecomasia	321A	36	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	3	4	4	4	3	4	321B	37	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	3	4	4	3	4	4	4	4	3	4	4	4
322	3062/19	Adenocarcinoma	322B	36	Brown	Firm	1.4	1.2	0.4	1.3	1.1	0.3	3	4	4	3	4	4	4	3	4	322A	38	Brown	Firm	1.4	1.2	0.4	1.2	1.1	0.3	3	4	4	4	4	4	4	4	4	4	4	3	4	4	
323	3059/19	Pilonidal sinus	323A	37	Brown	Firm	1.2	1.1	0.3	1.1	1	0.2	3	4	4	4	4	4	4	3	4	323B	38	Brown	Firm	1.2	1.1	0.3	1.1	1	0.2	3	4	4	4	4	4	4	4	4	4	4	3	4	4	4
324	3094/19	Normal ovaryof mucinous cystadenoma	324A	36	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	4	4	3	4	3	4	324B	38	Brown	Firm	1.1	1.1	0.3	1	1	0.2	3	4	4	4	4	4	4	4	4	4	4	3	4	4	4
325	3103/19	Synovial cyst	325A	36	Brown	Firm	1.5	1.3	0.4	1.4	1.2	0.3	3	4	4	4	4	3	4	3	4	325B	37	Brown	Firm	1.5	1.3	0.4	1.3	1.1	0.2	3	4	4	4	4	4	4	4	3	4	4	3	4	4	4
326	3113/19	Fibroadenoma	326A	36	Grey	Firm	1.3	1.2	0.4	1.2	1.1	0.3	3	4	4	4	4	3	4	3	4	326B	37	Grey	Firm	1.3	1.2	0.4	1.1	1.1	0.3	3	4	4	4	4	4	4	4	3	4	4	3	4	4	4
327	3122/19	Inflmmatory nasal polyp	327B	36	Cream	Firm	1.6	0.7	0.3	1.5	0.5	0.2	3	4	4	4	4	3	4	3	4	327A	38	Cream	Firm	1.6	0.7	0.3	1.5	0.6	0.2	3	4	4	4	4	4	4	4	4	4	3	4	4	4	
328	3150/19	Schwannoma	328B	35	Brown	Firm	1.2	1.2	0.3	1.1	1.1	0.2	3	4	4	3	4	3	4	3	4	328A	37	Brown	Firm	1.2	1.2	0.3	1.1	1.1	0.2	3	4	4	3	4	4	4	4	4	4	4	3	4	4	4
329	3182/19	Basal cell adenoma of parotid gland	329A	37	Brown	Firm	1.3	1.1	0.4	1.2	1	0.3	3	4	4	3	4	4	4	3	4	329B	39	Brown	Firm	1.3	1.1	0.4	1.2	1	0.3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
330	275/20	Chronic pyelonephritis	330A	37	Green	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	4	3	4	330B	38	Green	Firm	1.1	1.1	0.4	1	1	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	4	4
331	562/20	Mature cystic teratoma	331B	36	Cream	Firm	1.6	1.5	0.4	1.5	1.3	0.3	3	4	4	3	4	3	4	4	3	331A	39	Cream	Firm	1.6	1.5	0.4	1.5	1.3	0.3	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4
332	1057/20	Adenomyoma	332A	35	Cream	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	3	4	3	4	332B	38	Cream	Firm	1.3	1.3	0.4	1.2	1.2	0.3	4	4	4	3	4	4	3	4	4	3	4	4	4	4	4
333	1182/20	Dysgerminoma	333A	36	Cream	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	4	3	4	333B	39	Cream	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
334	1242/20	Granulosa cell tumor	334B	37	Yellow	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	4	3	4	334A	39	Yellow	Firm	1.3	1.3	0.4	1.2	1.2	0.3	4	4	4	3	4	4	3	4	4	4	4	4	4	4	4
335	1270/20	Hepatocellular carcinoma	335B	38	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	4	3	4	335A	38	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	3	4	4	4	4	4	4	4	4
336	1344/20	Mammary analogue secretary carcinoma	336A	36	Grey	Firm	1.3	1.3	0.4	1.2	1.2	0.3	3	4	4	3	4	4	4	3	4	336B	39	Grey	Firm	1.3	1.3	0.4	1.1	1.1	0.3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
337	1364/20	Gynecomastia	337B	36	yellow	Firm	1.2	1.2	0.3	1.1	1.1	0.2	3	4	4	3	4	4	4	3	4	337A	38	Yellow	Firm	1.2	1.2	0.3	1.1	1.1	0.2	3	4	4	3	4	4	3	4	4	4	4	4	4	4	4
338	1379/20	Adenocarcinoma colon	338A	37	Cream	Firm	1.3	1.3	0.3	1.2	1.2	0.2	3	4	4	3	4	4	4	3	4	338B	39	Cream	Firm	1.3	1.3	0.3	1.2	1.2	0.2	3</														