

## PHOTOGRAPHS



Figure 6.1 Samsung microwave oven



Figure 6.2 Formalin fixation



Figure 6.3 Automatic tissue processor

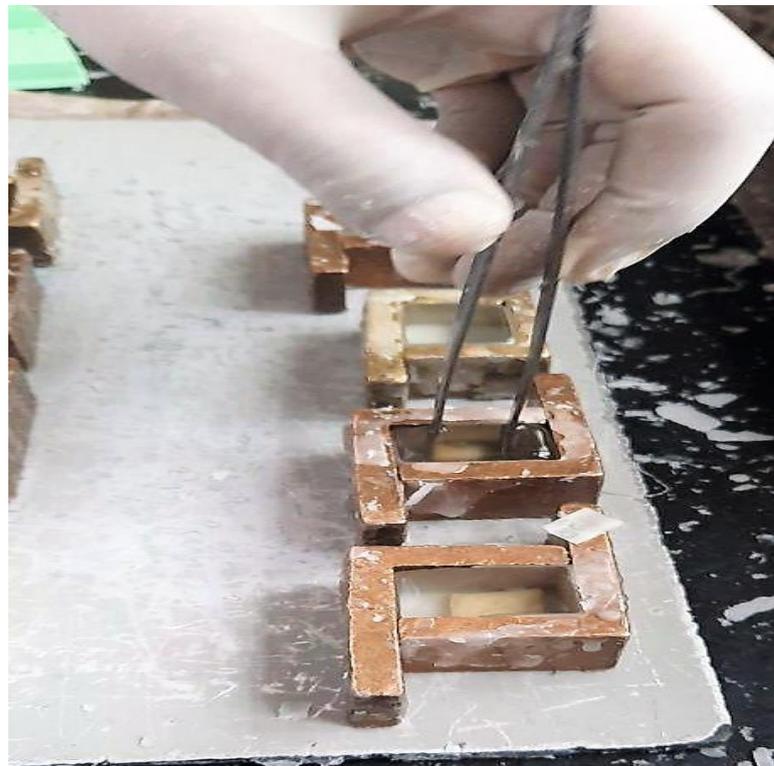


Figure 6.4 Embedding



Figure 6.5 Rotary microtome

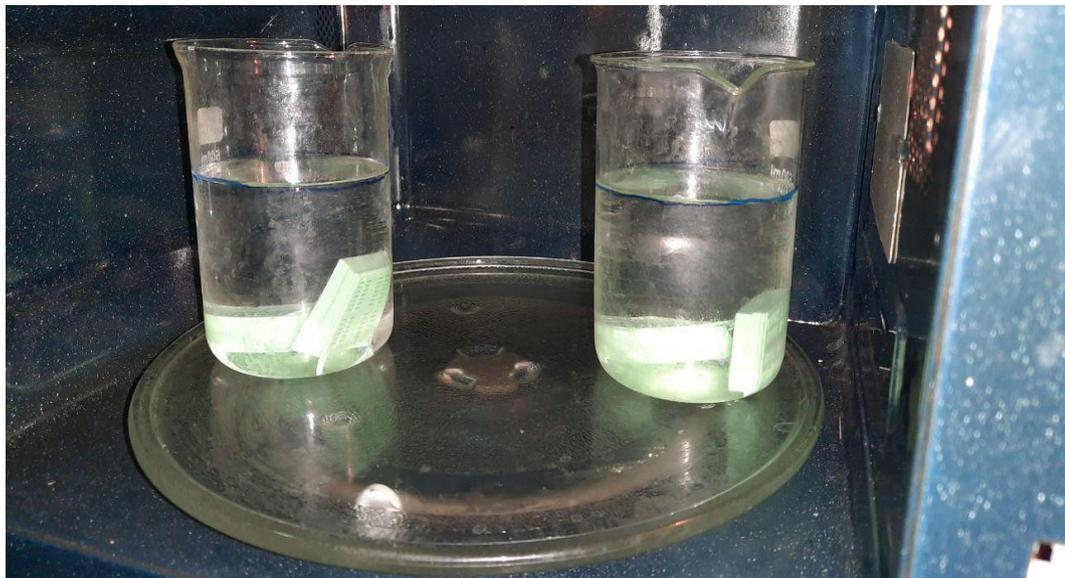


Figure 6.6 four tissues in microwave for processing

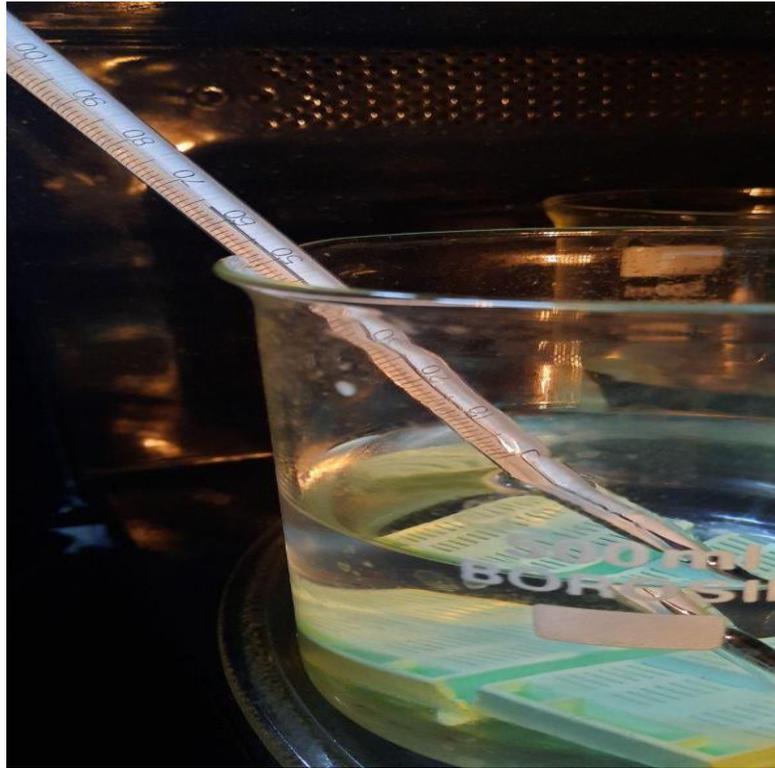


Figure 6.7 Temperature at the end of 1st cycle(dehydration)



Figure 6.8 Temp at the end of 4th cycle(intermedium)



Figure 6.9 Paraffin wax molten on hotplate



Figure 6.10 SLEE Low profile microtome blade

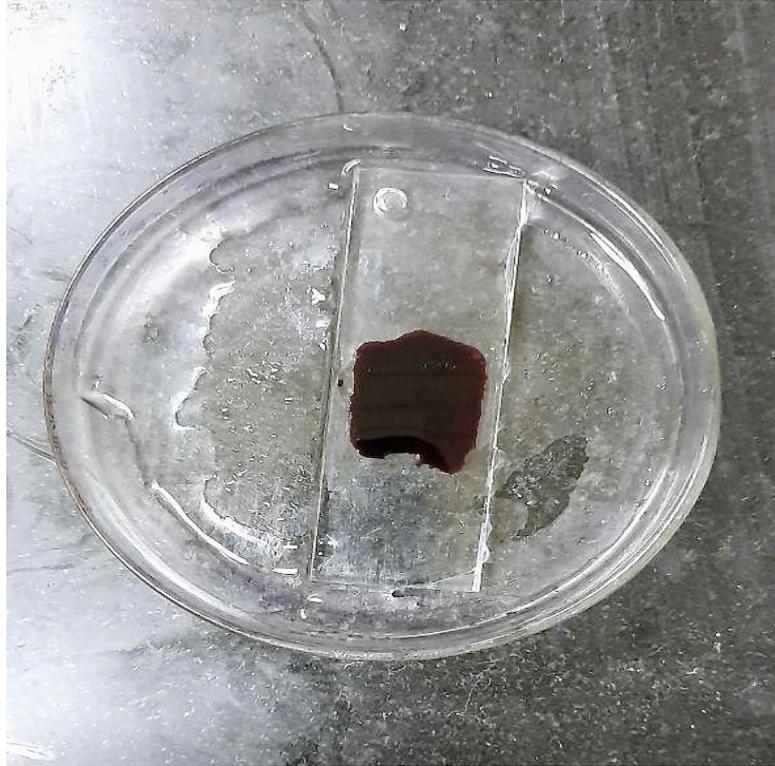


Figure 6.11 H & E staining in petridish by microwave method

**Figure 6.12 Gross Dimensions before and after Processing**

Case Number: 331

Histopathology Number: 562/20

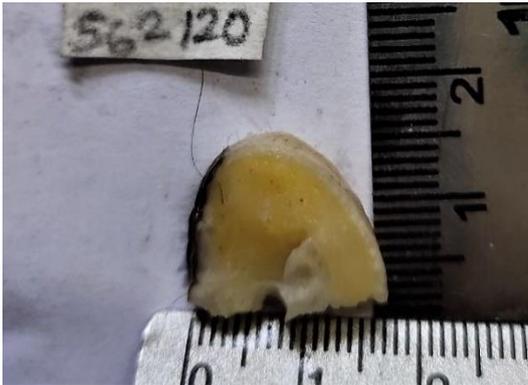
Diagnosis: Mature cystic teratoma

**Dimensions Before Processing**

**Routine method**

1.6 x 1.5 x 0.4

(331B)



**Microwave method**

1.6 x 1.5 x 0.4

(331A)



**Dimensions After processing**

**Routine method**

1.5 x 1.3 x 0.3

(331B)



**Microwave method**

1.5 x 1.3 x 0.3

(331A)



Case Number: 339

Histopathology Number:1423/20

Diagnosis: Transitional cell carcinoma of ovary

**Dimensions Before Processing**

**Routine method**

1.5 x 1.5 x 0.4  
(339A)



**Microwave method**

1.5 x 1.5 x 0.4  
(339B)



**Dimensions After processing**

**Routine method**

1.4 x 1.3 x 0.3  
(339A)



**Microwave method**

1.4 x 1.3 x 0.3  
(339B)



Case Number: 341

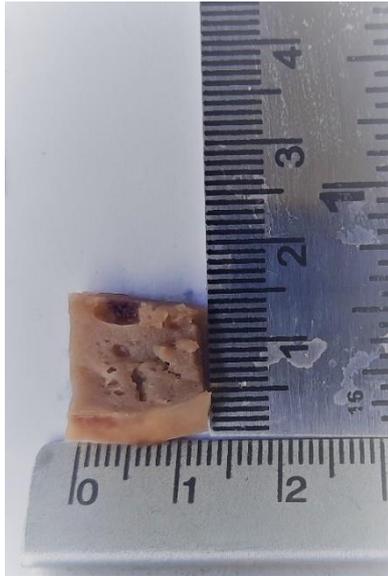
Histopathology Number:5388/19

Diagnosis: Solid pseudopapillary neoplasm of pancreas

**Dimensions Before Processing**

**Routine method**

1.3 x 1.3 x 0.3  
(341B)



**Microwave method**

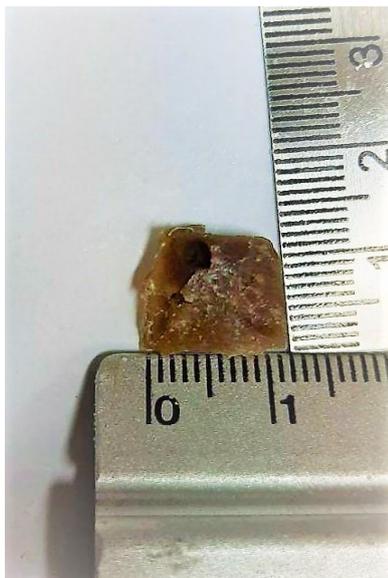
1.3 x 1.3 x 0.3  
(341A)



**Dimensions After processing**

**Routine method**

1.2 x 1.2 x 0.2  
(341B)



**Microwave method**

1.2 x 1.1 x 0.2  
(341A)



Case Number: 348

Histopathology Number:1607/20

Diagnosis:Seminoma of testis

**Dimintions Before Processing**

**Routine method**

1.6 x 1.5 x 0.4  
(348A)



**Microwave method**

1.6 x 1.5 x 0.4  
(348B)



**Dimensions After processing**

**Routine method**

1.5 x 1.5 x 0.3  
(348A)



**Microwave method**

1.5 x 1.5 x 0.3  
(348B)



Case Number: 349  
Histopathology Number: 1695/20  
Diagnosis: Tuberculosis of intestine

**Dimensions Before Processing**

**Routine method**

(2.0 x 1.0 x 0.4)  
(349 B)



**Microwave method**

(2.0 x 1.0 x 0.4)  
(349 A)



**Dimensions After processing**

**Routine method**

(2.0 x 1.0 x 0.3)  
(349 B)



**Microwave method**

(1.7 x 0.9 x 0.3)  
(349 A)

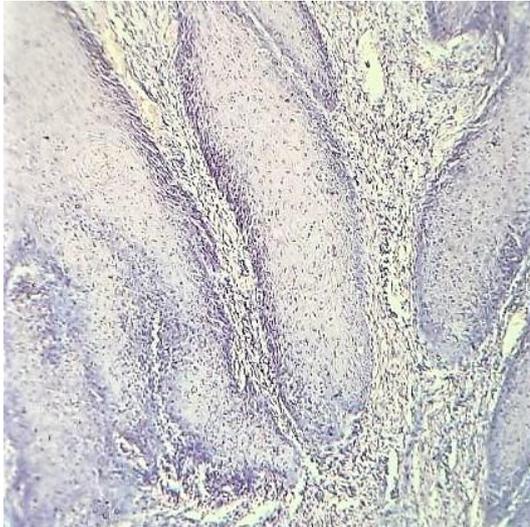


**Figure 6.13 - H and E images**

Case number: 11

HP Number:4057/18

Diagnosis:Squamous cell carcinoma of thigh



**Routine method**

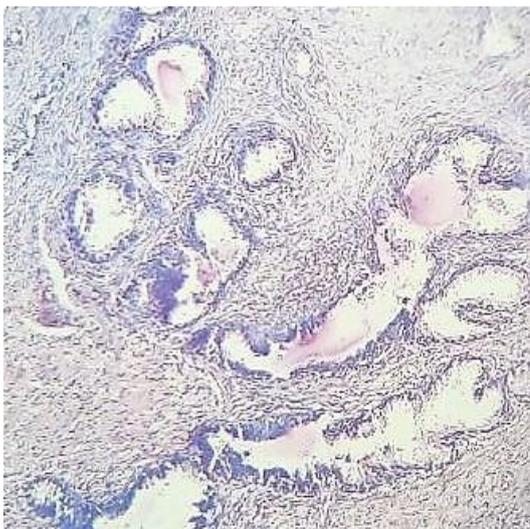


**Microwave method**

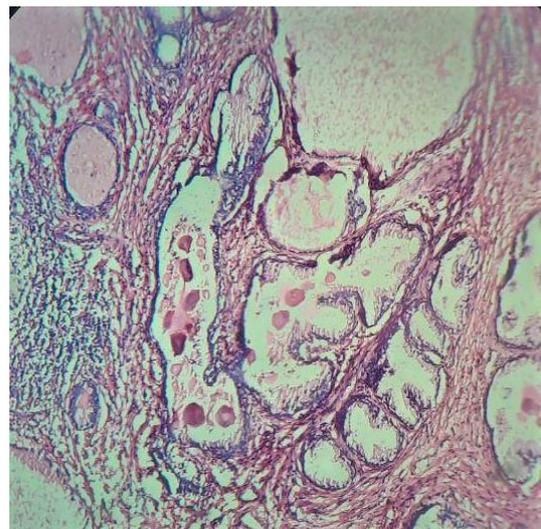
Case number: 25

HP Number:2393/18

Diagnosis: Benign Prostatic Hyperplasia



**Routine method**

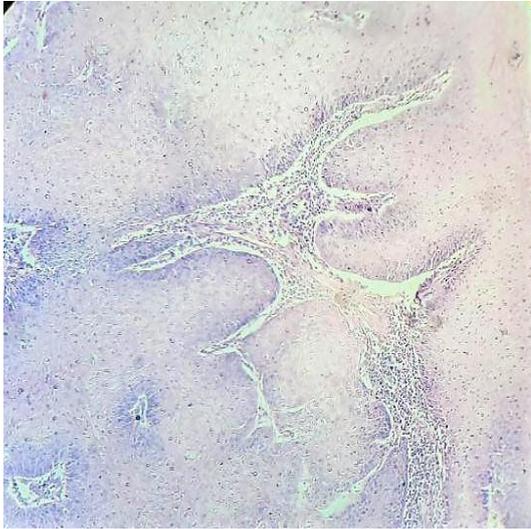


**Microwave method**

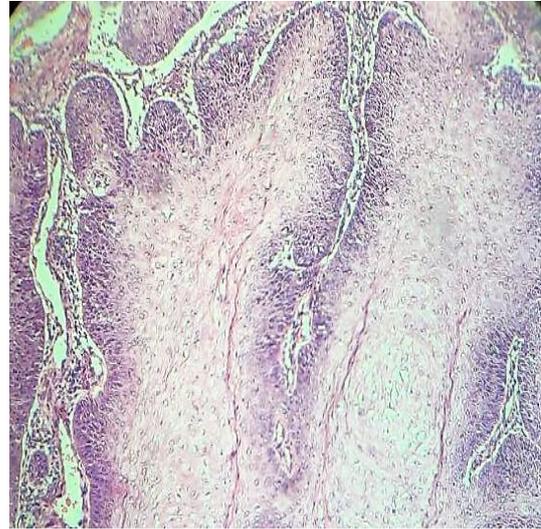
Case number: 26

HP Number:2387/18

Diagnosis:Squamous cell carcinoma



**Routine method**

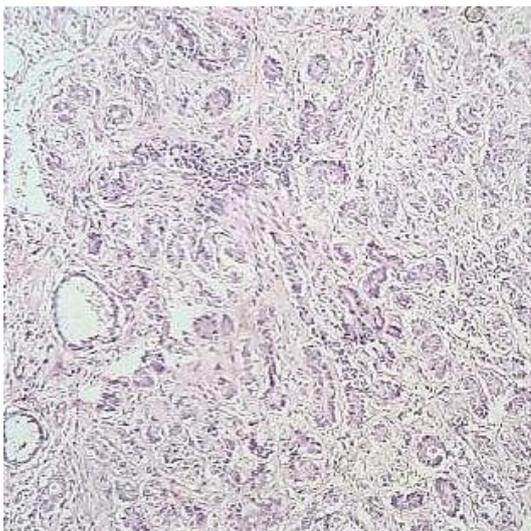


**Microwave method**

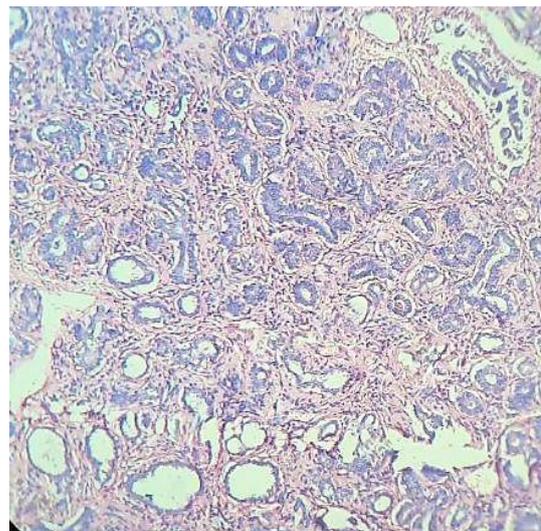
Case number:39

HP Number:4167/18

Diagnosis: Tubular adenoma of breast



**Routine method**

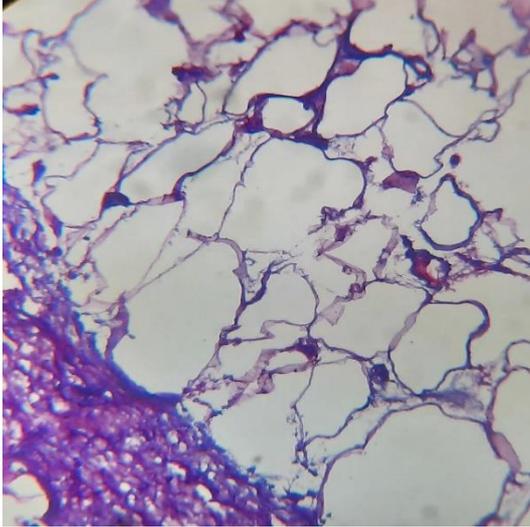


**Microwave method**

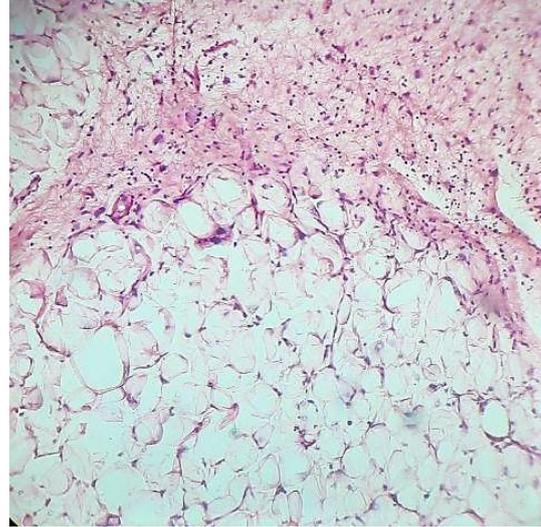
Case number: 53

HP Number:4639/18

Diagnosis: Dedifferentiated liposarcoma



**Routine method**

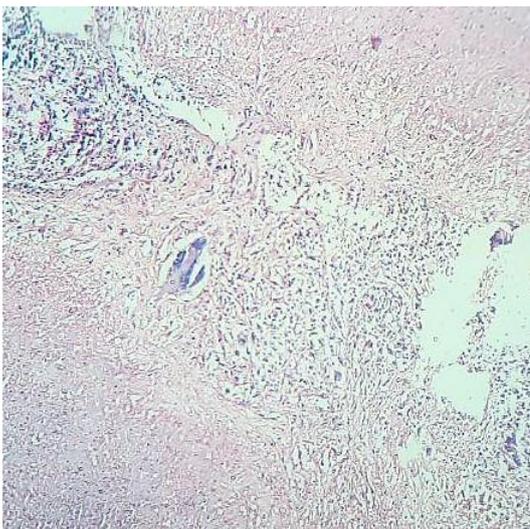


**Microwave method**

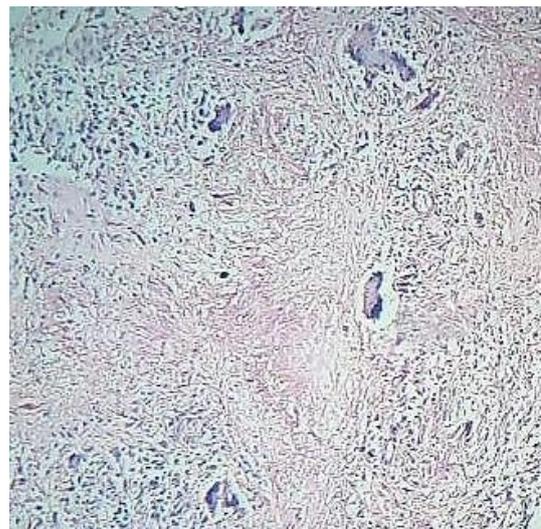
Case number: 55

HP Number:4688/18

Diagnosis: Tuberculosis of lymphnode



**Routine method**

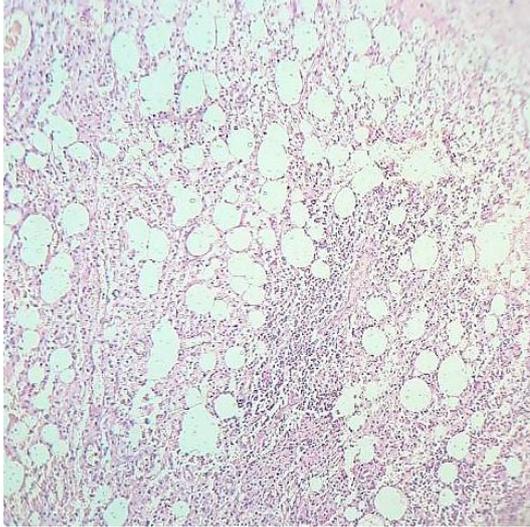


**Microwave method**

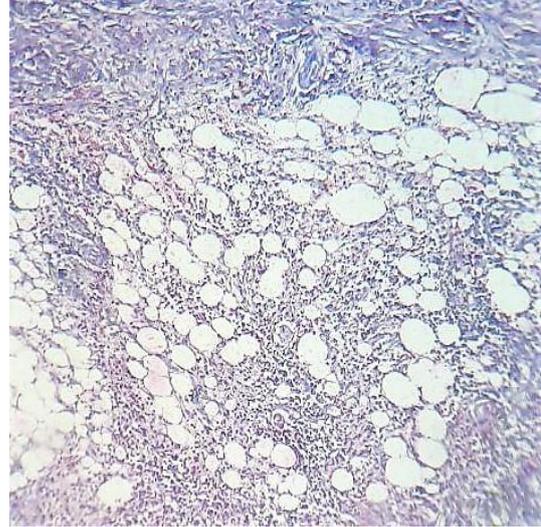
Case number: 66

HP Number:5205/18

Diagnosis:Inflammation in umbilical fistula



**Routine method**

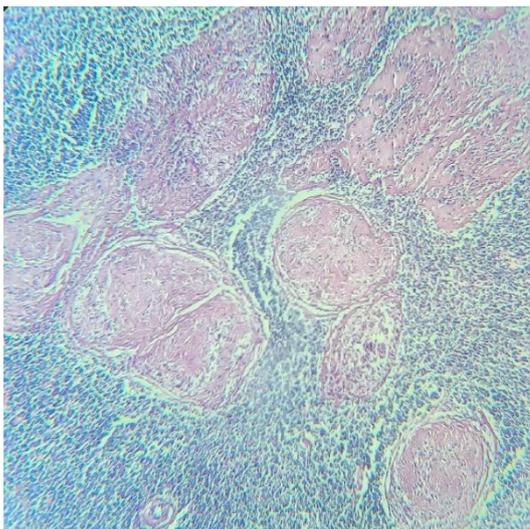


**Microwave method**

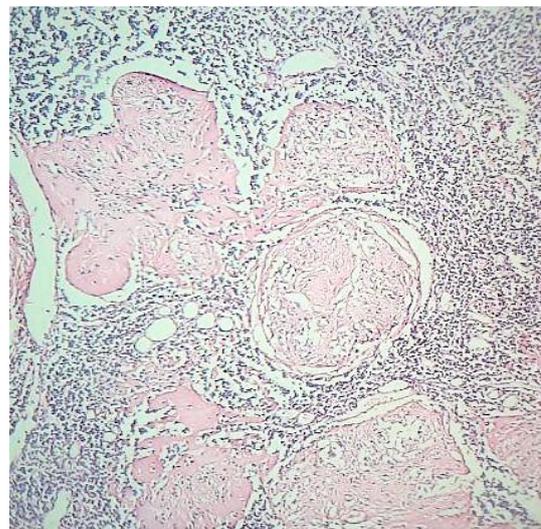
Case number: 77

HP Number:5050/18

Diagnosis:Sarcoid like granuloma in lymphnode(Infiltrating Ductal Carcinoma breast)



**Routine method**

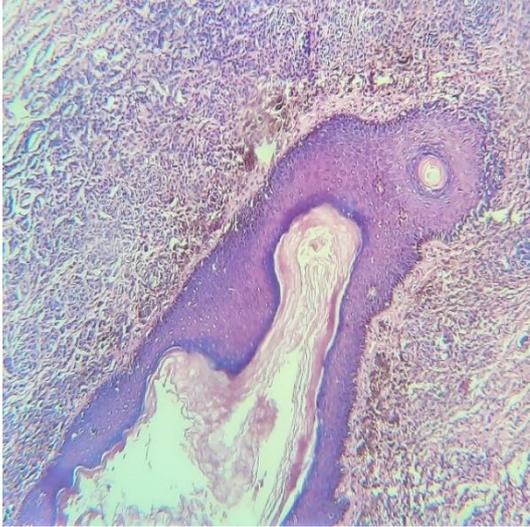


**Microwave method**

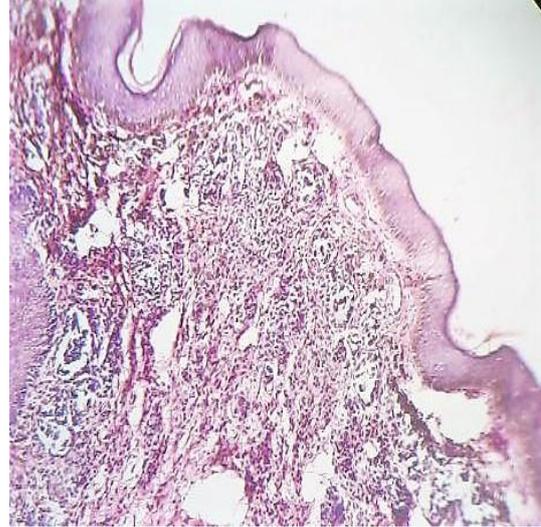
Case number: 78

HP Number:5161/18

Diagnosis: Compound nevus



**Routine method**

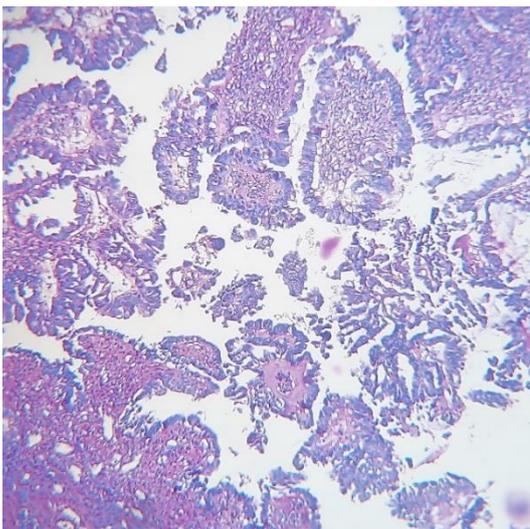


**Microwave method**

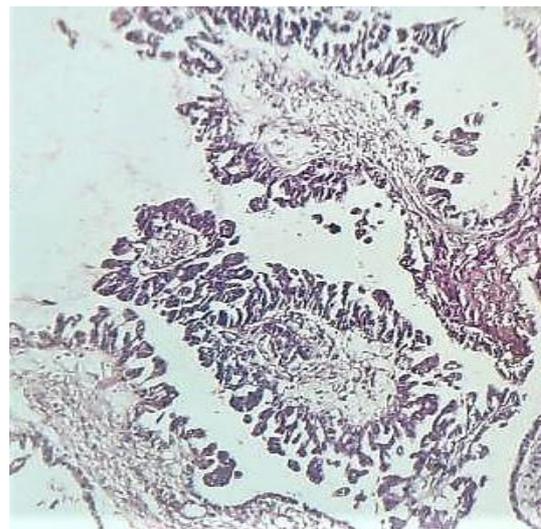
Case number: 79

HP Number:5045/18

Diagnosis: Micropapillary carcinoma of ovary



**Routine method**

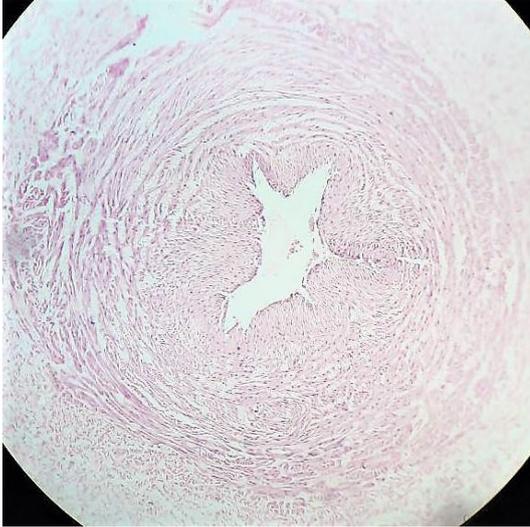


**Microwave method**

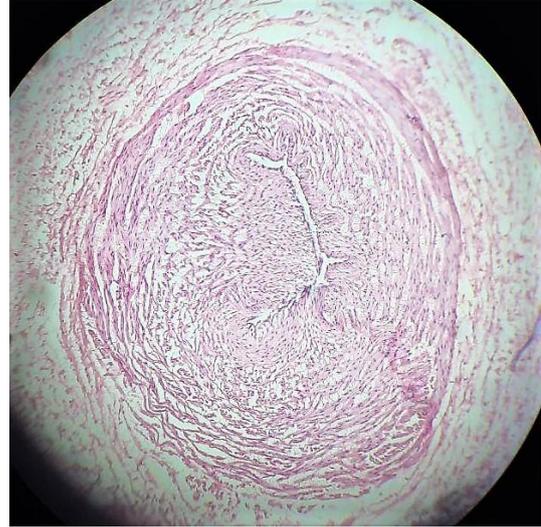
Case number: 80

HP Number:5105/18

Diagnosis:Umbilical cord



**Routine method**

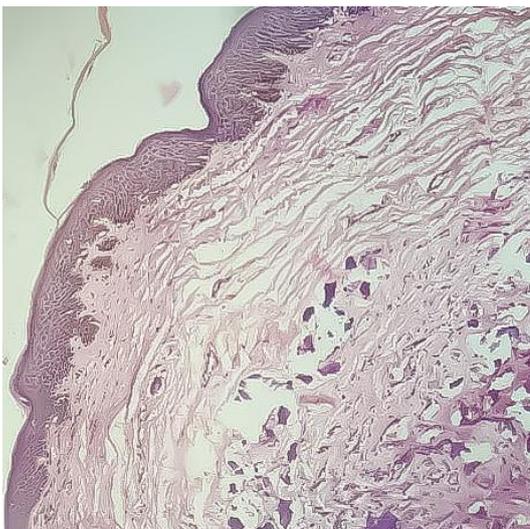


**Microwave method**

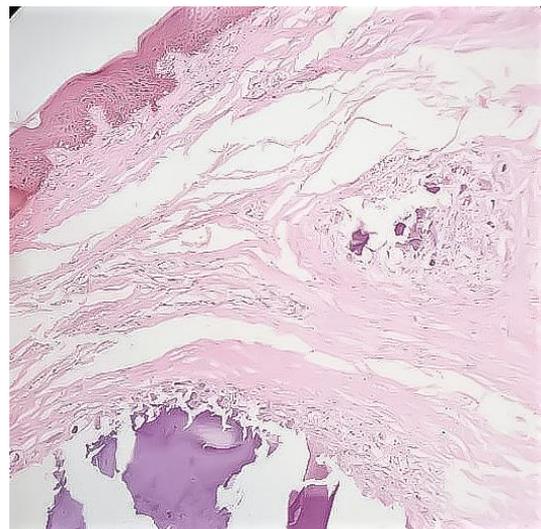
Case number: 84

HP Number:5308/18

Diagnosis: Calcinosis cutis



**Routine method**

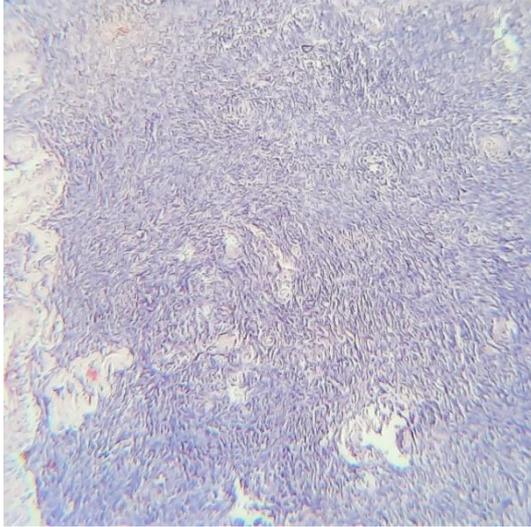


**Microwave method**

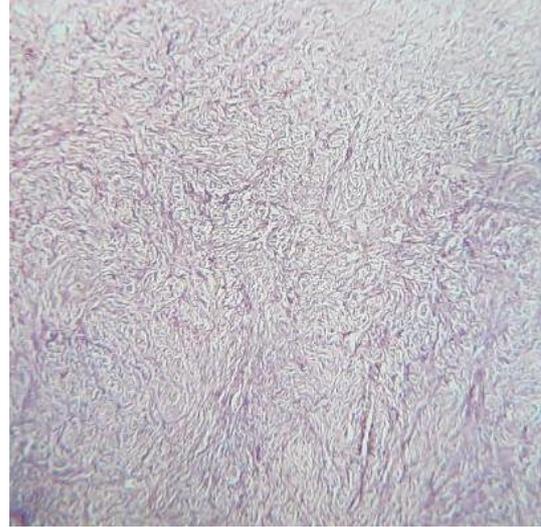
Case number: 82

HP Number:5302/18

Diagnosis:Normal ovary



**Routine method**

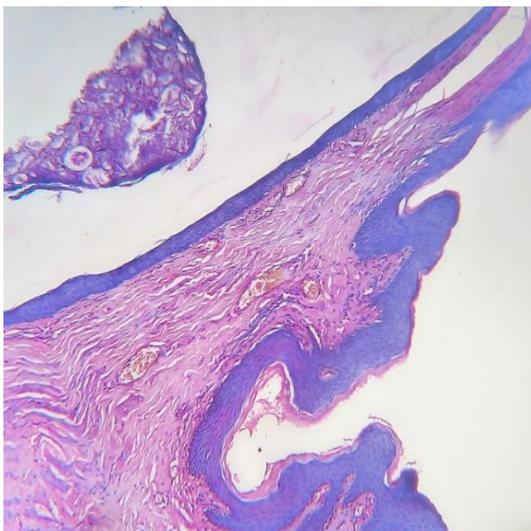


**Microwave method**

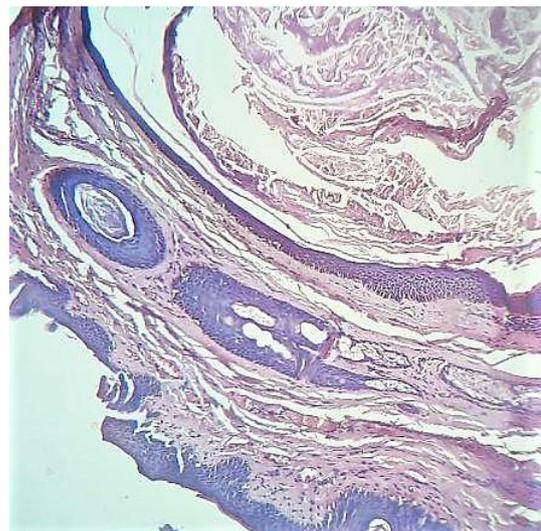
Case number: 83

HP Number:5310/18

Diagnosis:Multiple keratinous cyst on scrotum



**Routine method**

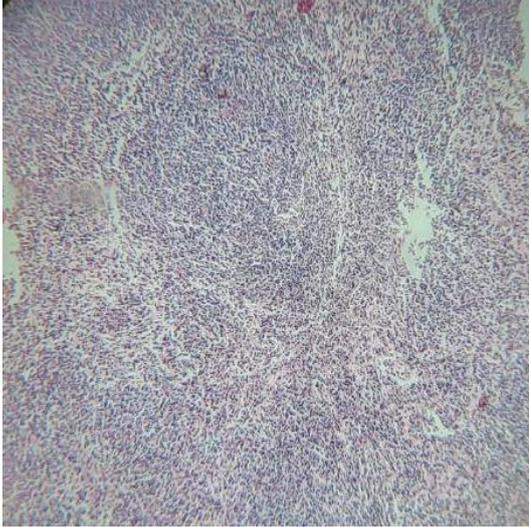


**Microwave method**

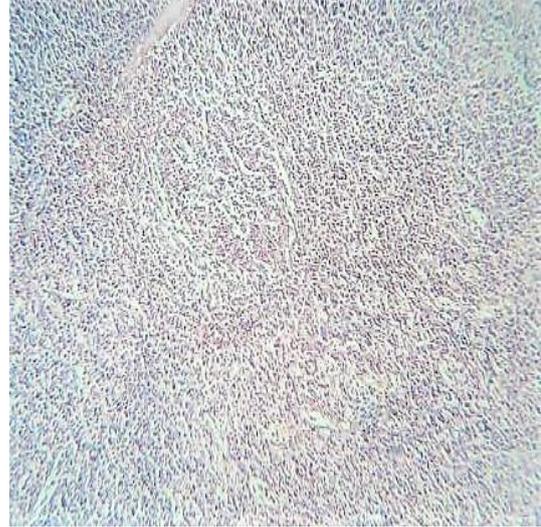
Case number: 104

HP Number:5485/18

Diagnosis: Tonsil



**Routine method**

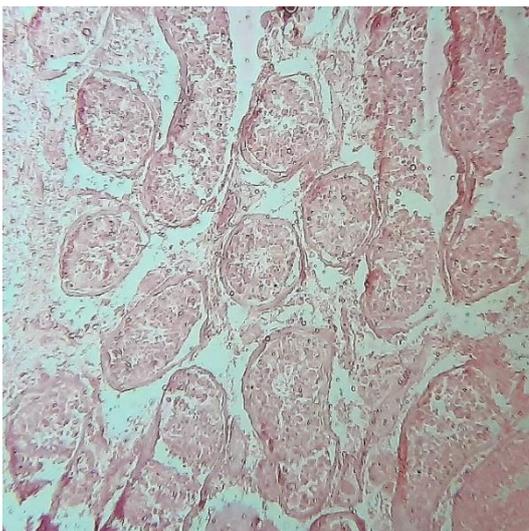


**Microwave method**

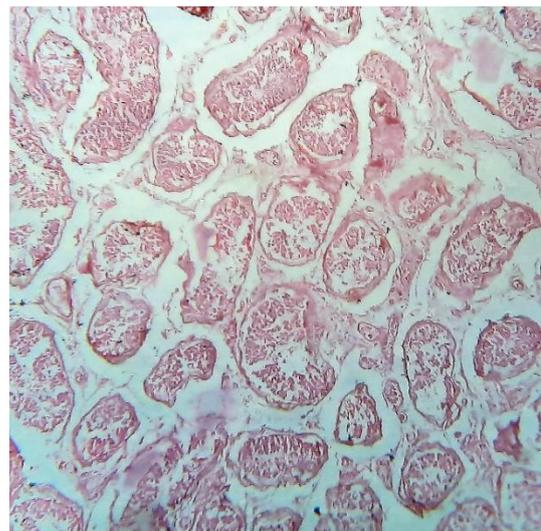
Case number: 129

HP Number:12/19

Diagnosis: Testicular infarct



**Routine method**

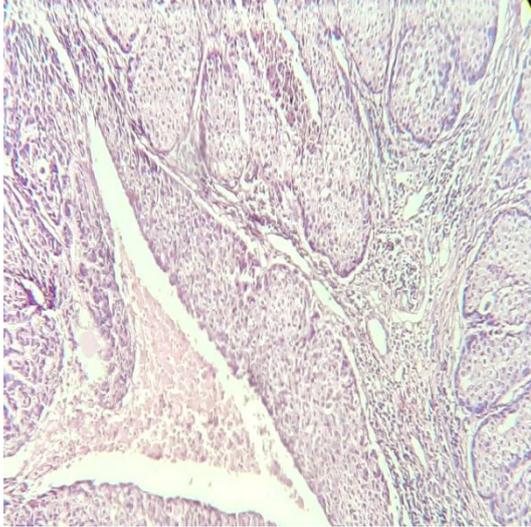


**Microwave method**

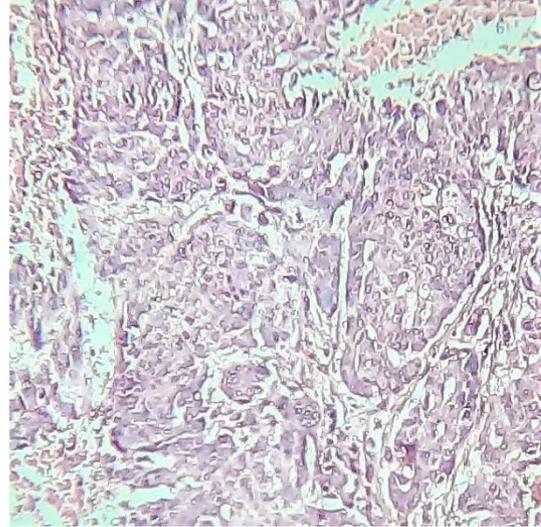
Case number: 131

HP Number:93/19

Diagnosis:Carcinosarcoma of salivary gland



**Routine method**

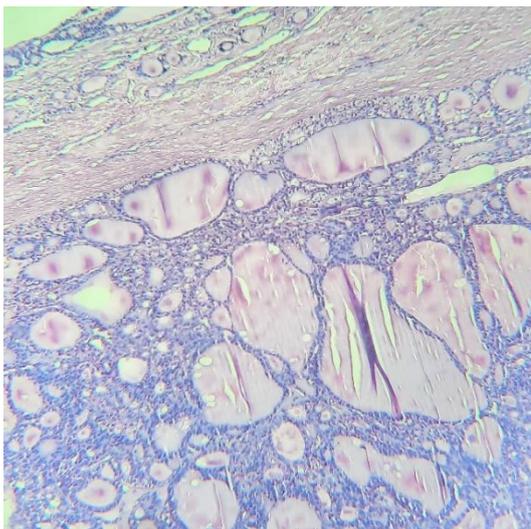


**Microwave method**

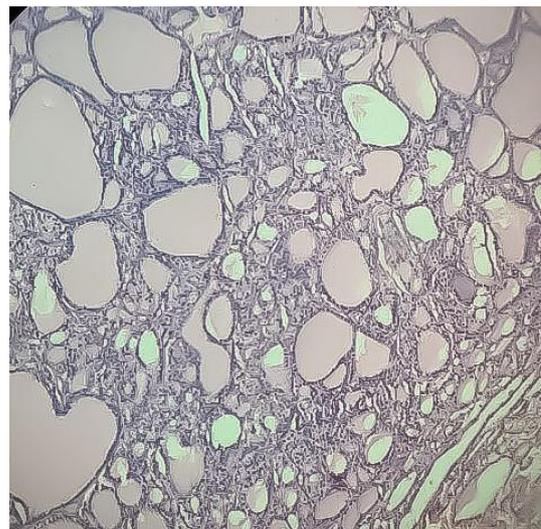
Case number: 191

HP Number:495/19

Diagnosis: Follicular adenoma



**Routine method**

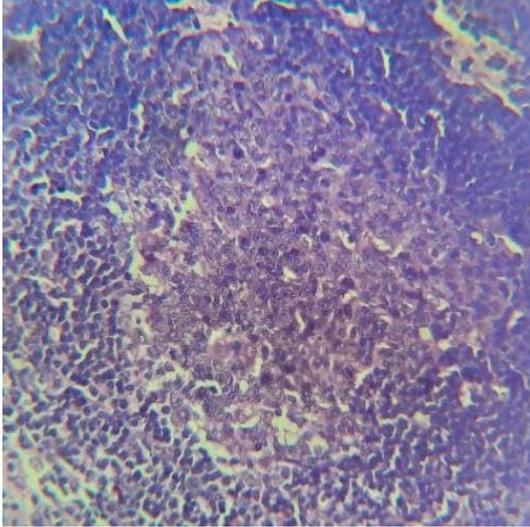


**Microwave method**

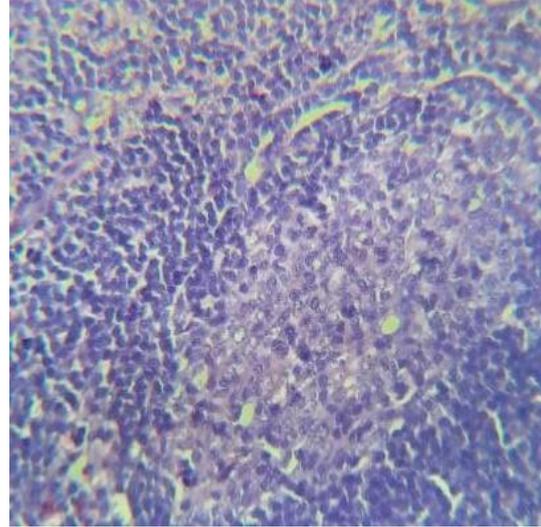
Case number: 134

HP Number:144/19

Diagnosis: Tonsil (Reactive lymphoid hyperplasia)



**Routine method**

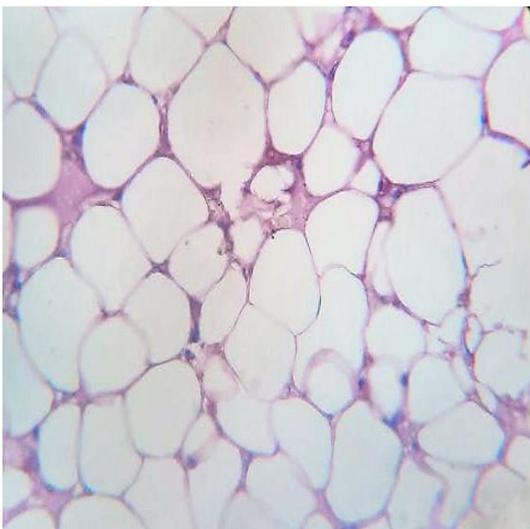


**Microwave method**

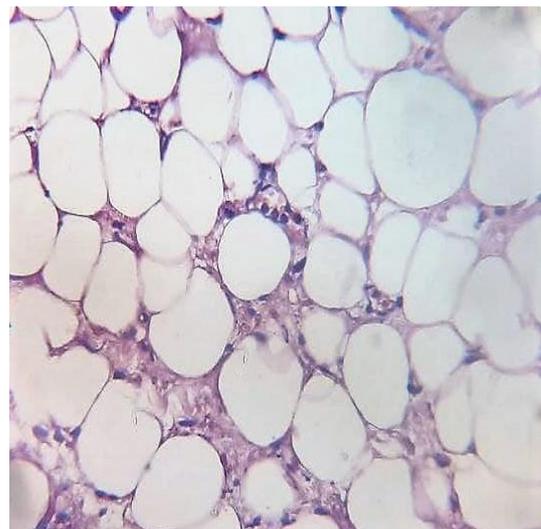
Case number: 113

HP Number:5531/18

Diagnosis: Lipoma



**Routine method**

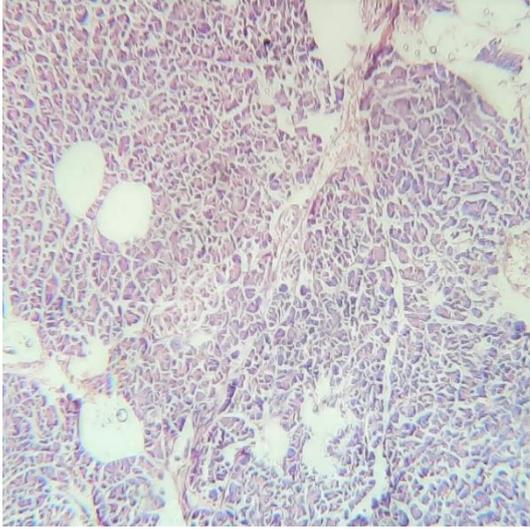


**Microwave method**

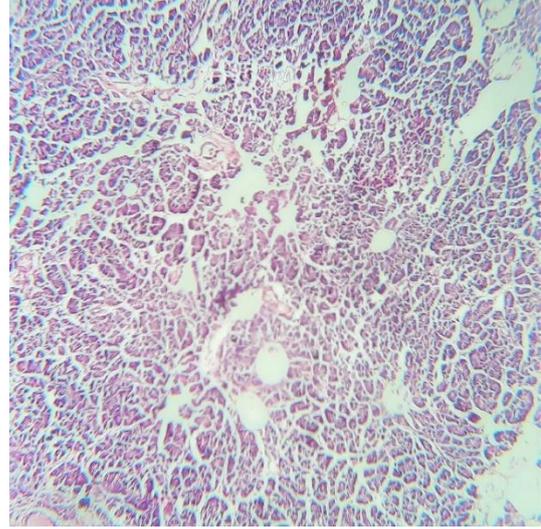
Case number: 194

HP Number:445/19

Diagnosis: Pancreas



**Routine method**

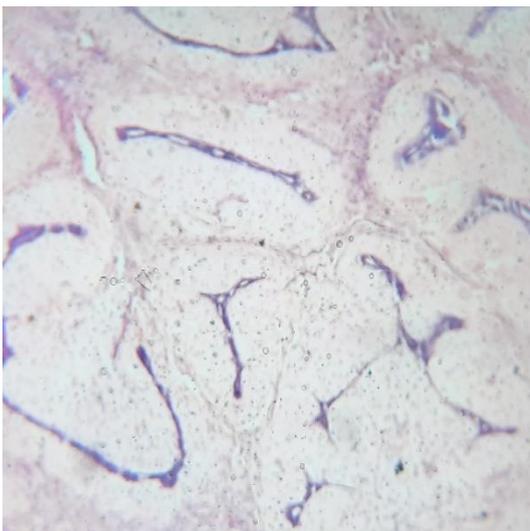


**Microwave method**

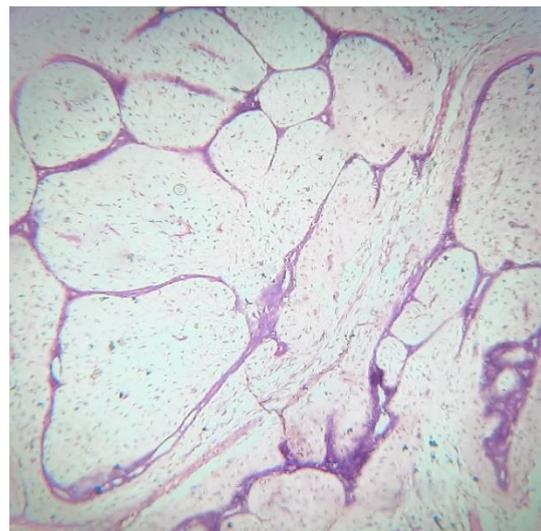
Case number: 216

HP Number:776/19

Diagnosis: Fibroadenoma



**Routine method**

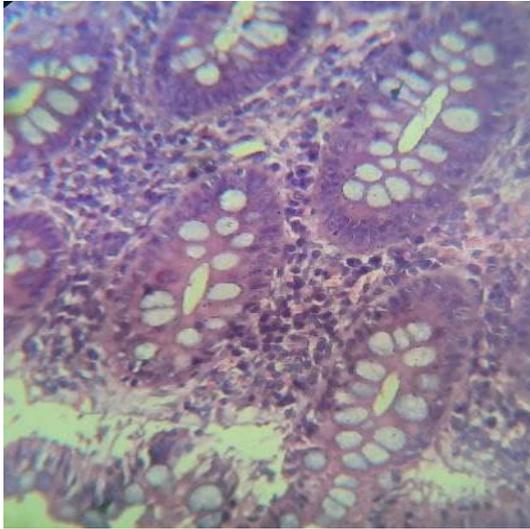


**Microwave method**

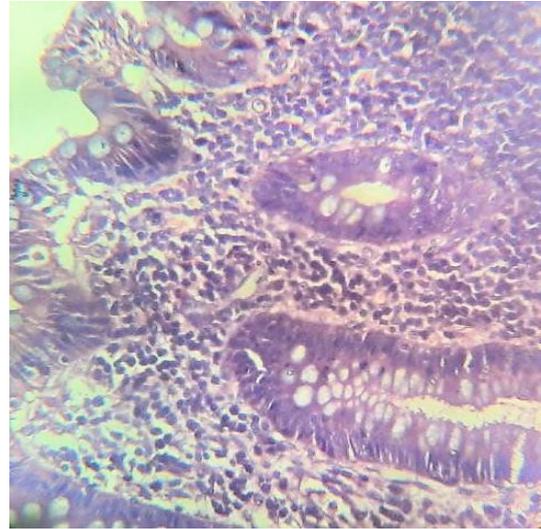
Case number: 233

HP Number:1023/19

Diagnosis: Appendix- Reactive lymphoid hyperplasia



**Routine method**

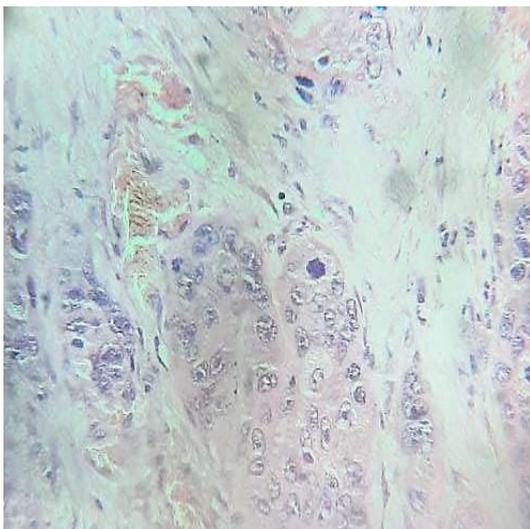


**Microwave method**

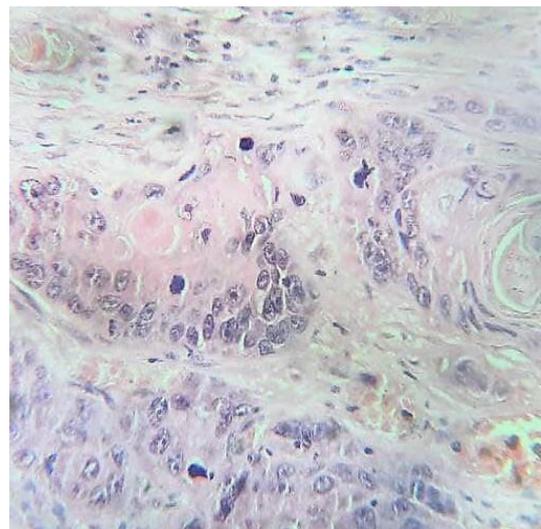
Case number: 294

HP Number:2618/19

Diagnosis: Well differentiated squamous cell carcinoma



**Routine method**

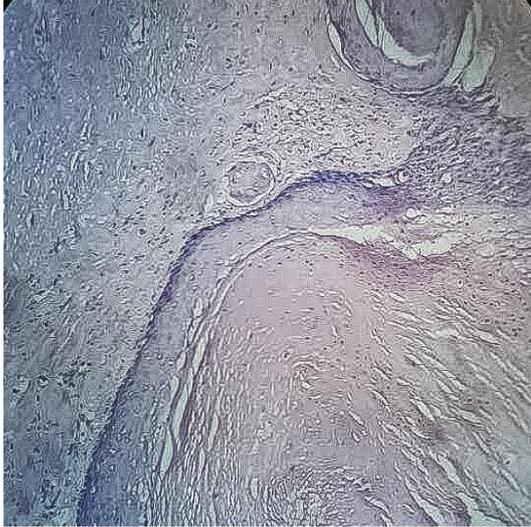


**Microwave method**

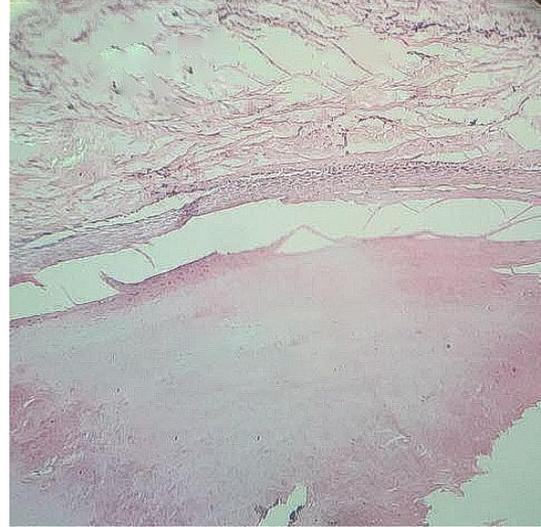
Case number: 303

HP Number:2794/19

Diagnosis: Trichilemmal cyst



**Routine method**

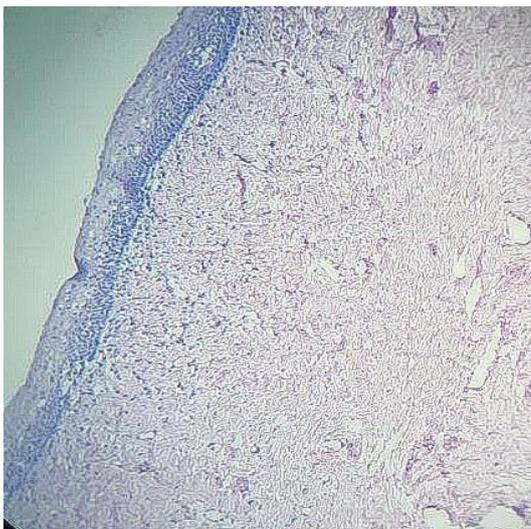


**Microwave method**

Case number: 308

HP Number:2840/19

Diagnosis: Cervix



**Routine method**

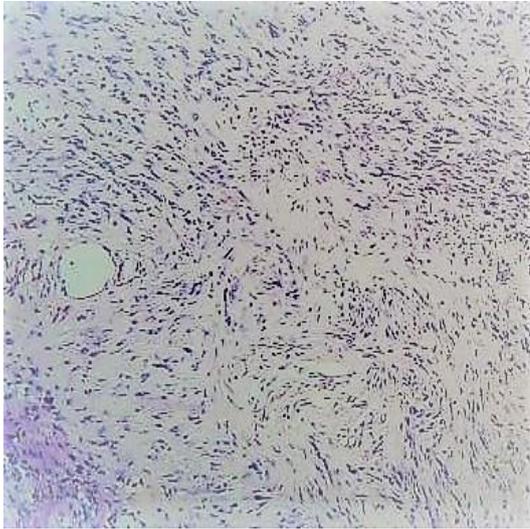


**Microwave method**

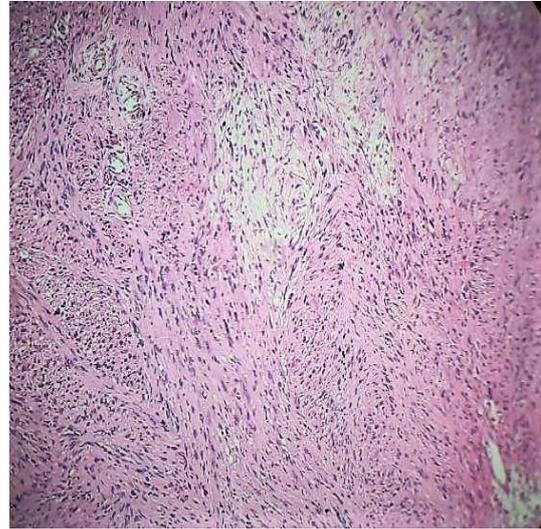
Case number: 328

HP Number:3150/19

Diagnosis:Schwannoma



**Routine method**

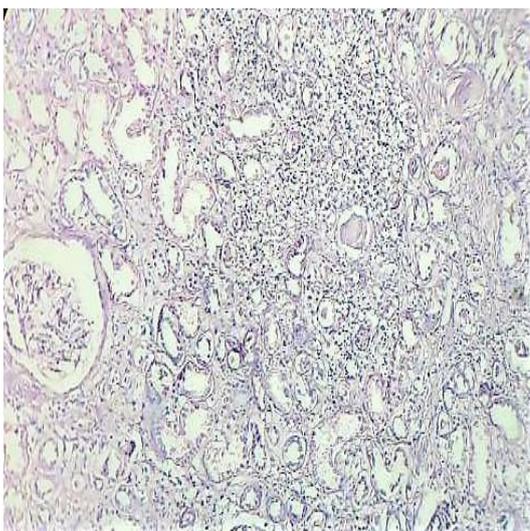


**Microwave method**

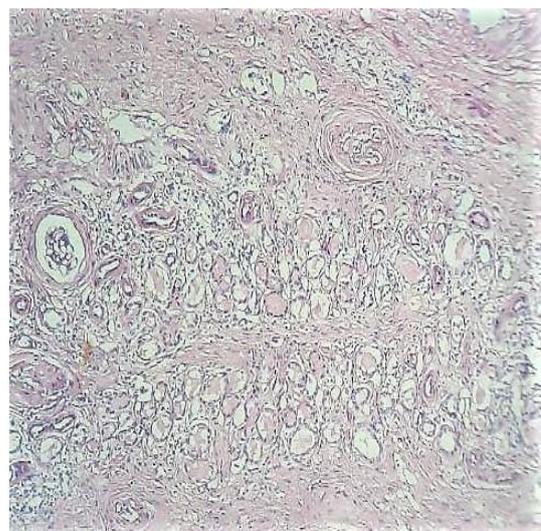
Case number: 330

HP Number:275/20

Diagnosis: Chronic pyelonephritis



**Routine method**

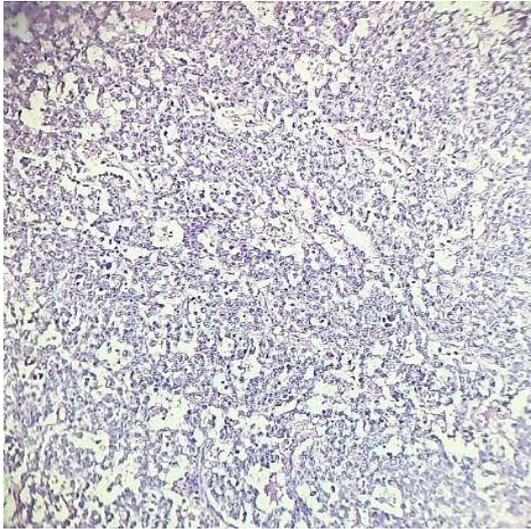


**Microwave method**

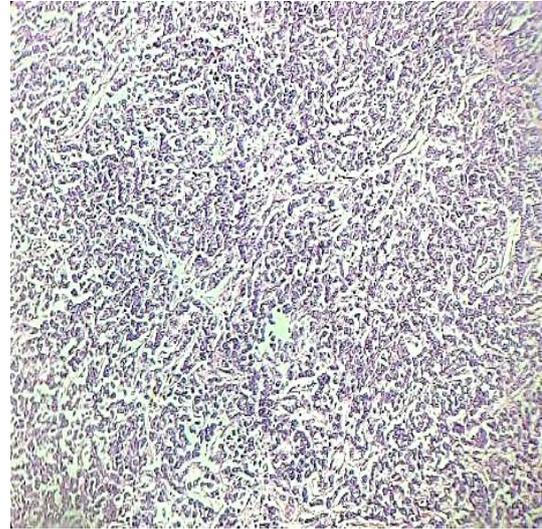
Case number: 333

HP Number:1182/20

Diagnosis:Dysgerminoma



**Routine method**

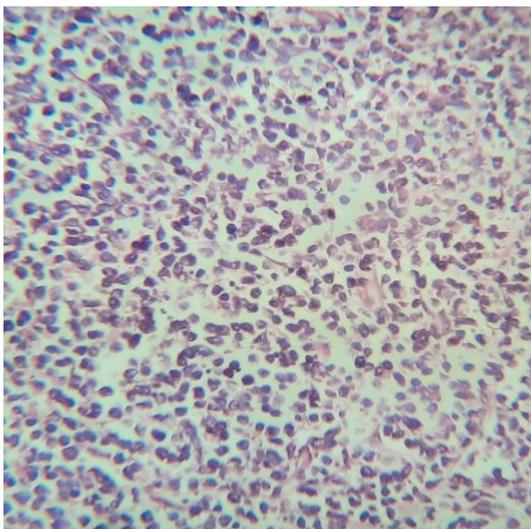


**Microwave method**

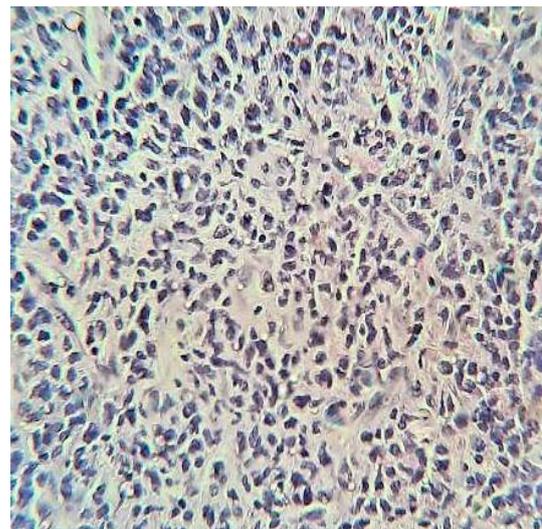
Case number: 347

HP Number:1557/20

Diagnosis: Diffuse large B cell lymphoma of mesentery



**Routine method**

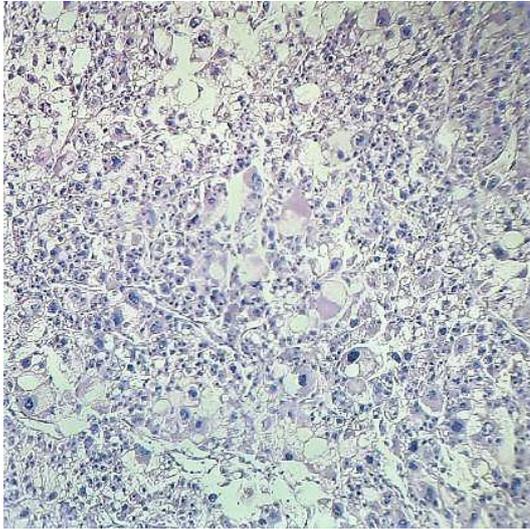


**Microwave method**

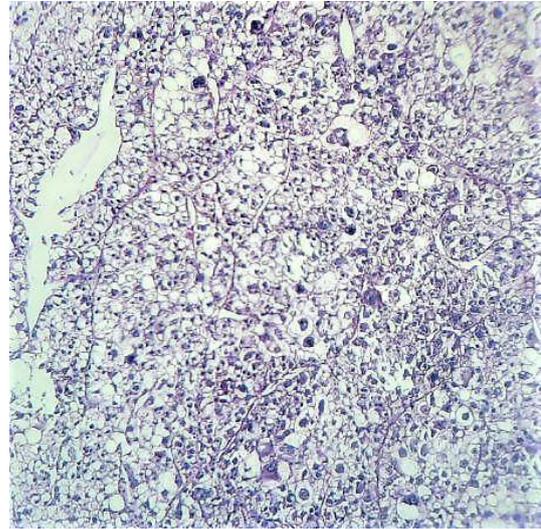
Case number: 335

HP Number:1270/20

Diagnosis:Hepatocellular carcinoma



**Routine method**

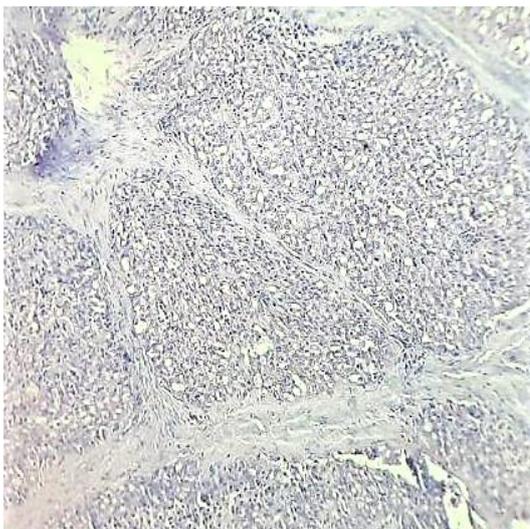


**Microwave method**

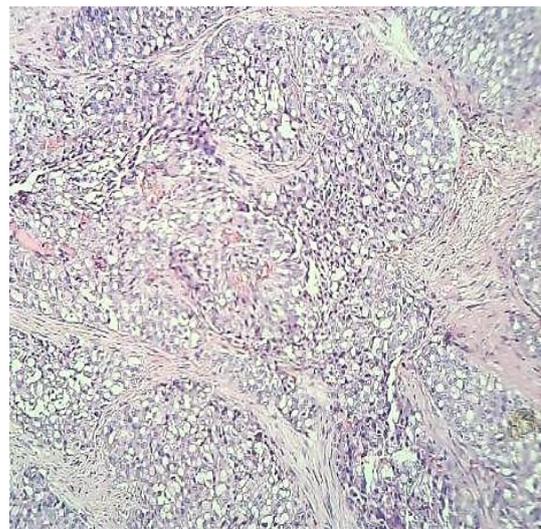
Case number: 336

HP Number:1344/20

Diagnosis: Mammary analogue secretary carcinoma



**Routine method**



**Microwave method**

**Figure 6.14 - Special stain**

**Fontana Massion Stain**

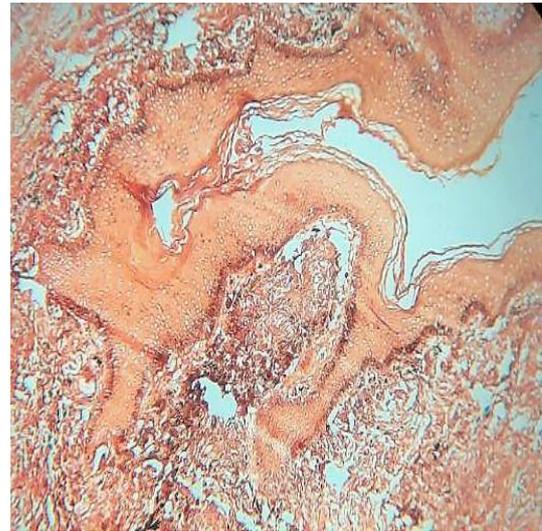
Case number: 78

HP Number:5161/18

Diagnosis: compound nevus



**Routine method**



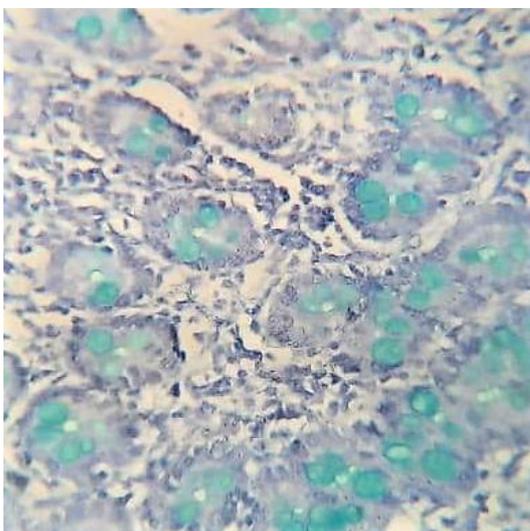
**Microwave method**

**Alcian Blue stain**

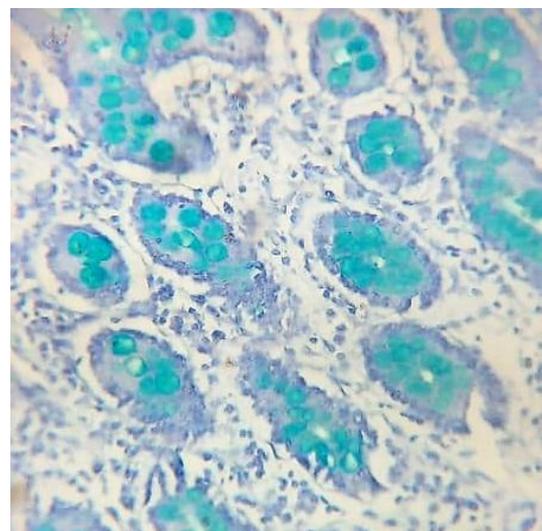
Case number: 99

HP Number:5479/18

Diagnosis: Jejunum



**Routine method**



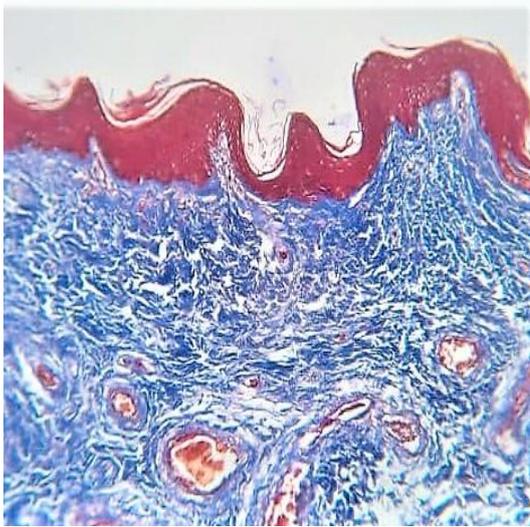
**Microwave method**

**Massion Trichome stain**

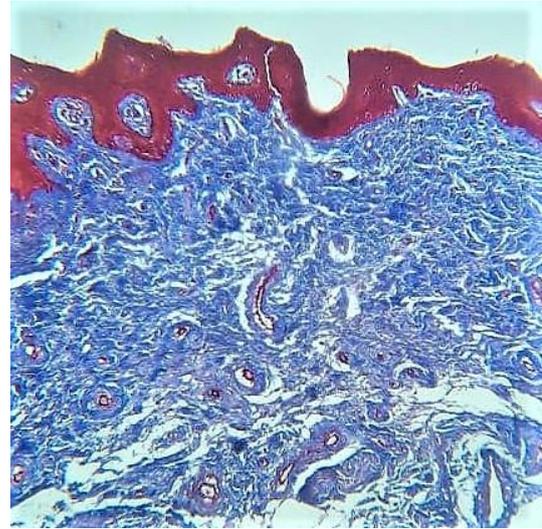
Case number: 298

HP Number:2674/19

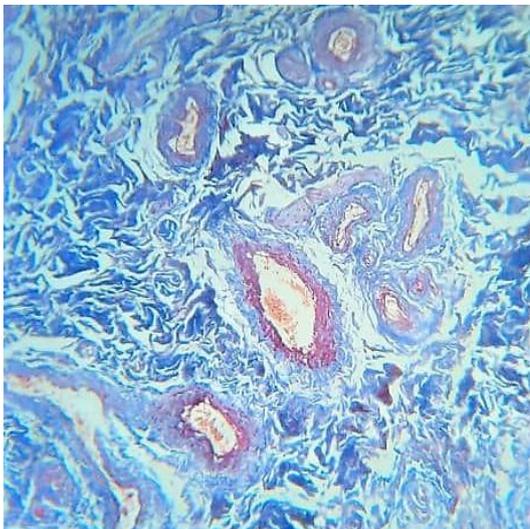
Diagnosis: Skin with underlying connective tissue



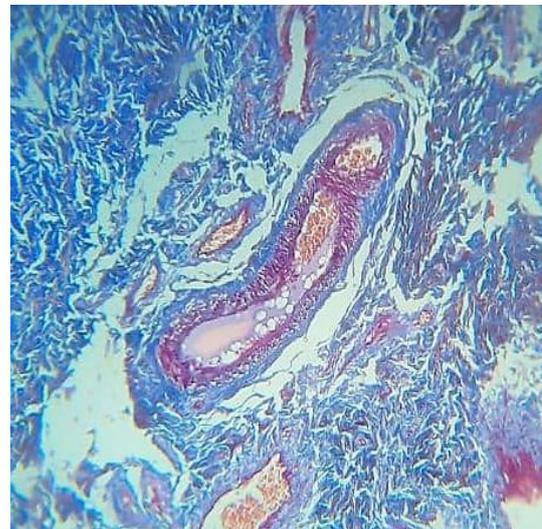
**Routine method**



**Microwave method**



**Routine method**



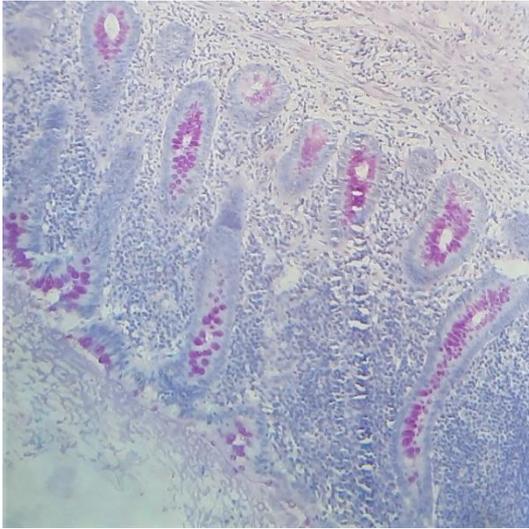
**Microwave method**

**PAS stain**

Case number: 197

HP Number:539/19

Diagnosis: Reactive lymphoid hyperplasia of appendix



**Routine method**



**Microwave method**

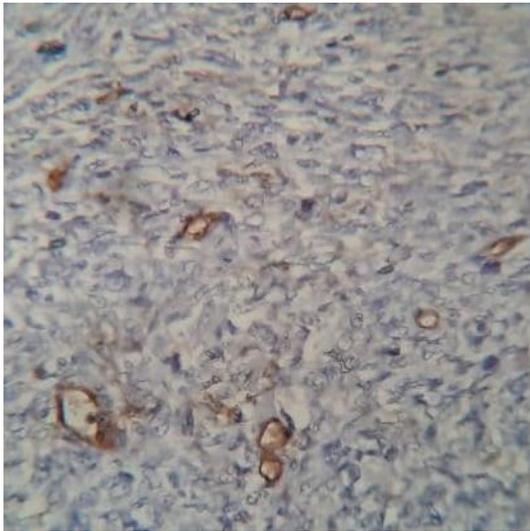
**Figure 6.15 Immunohistochemistry**

**CD 34 IHC Stain**

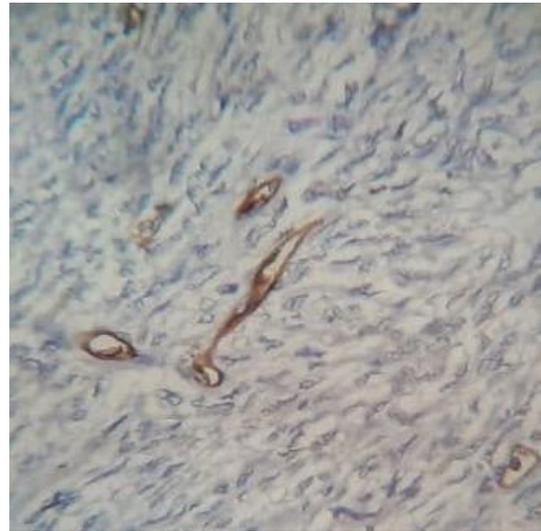
Case number: 64

HP Number:4915/18

Diagnosis:Borderline Phyllodes tumor



**Routine method**



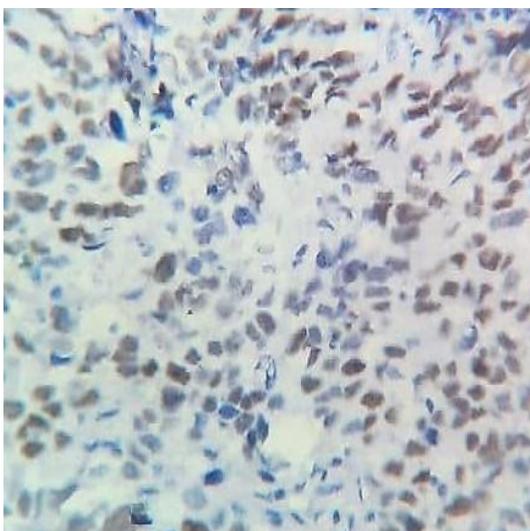
**Microwave method**

**WT1 IHC stain**

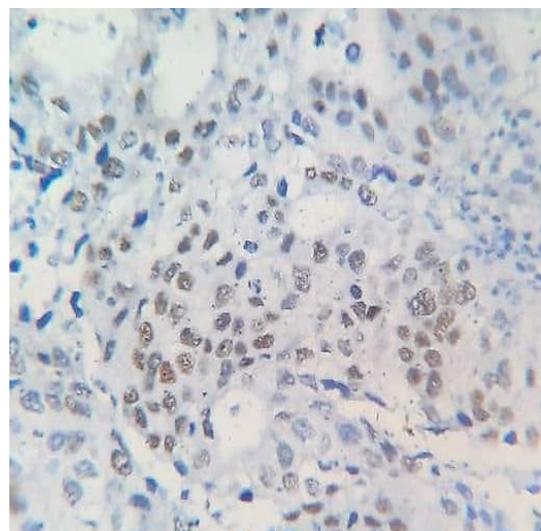
Case number: 91

HP Number:5186/18

Diagnosis: Serous papillary cystadenocarcinoma



**Routine method**



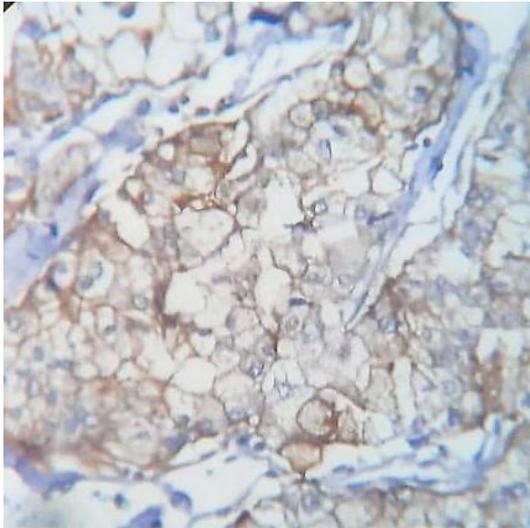
**Microwave method**

**CD 10 IHC Stain**

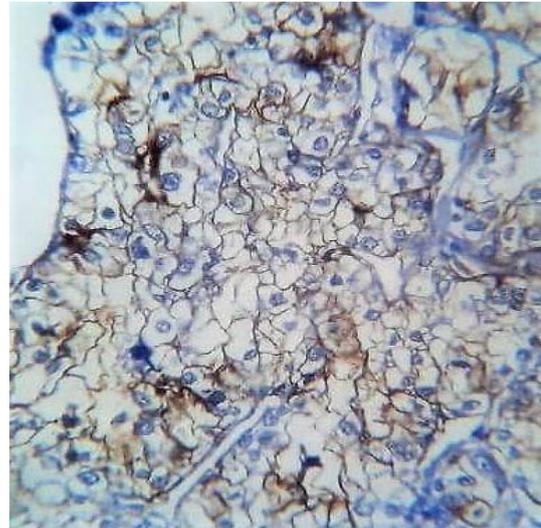
Case number: 178

HP Number:334/19

Diagnosis: Clear cell carcinoma of kidney



**Routine method**



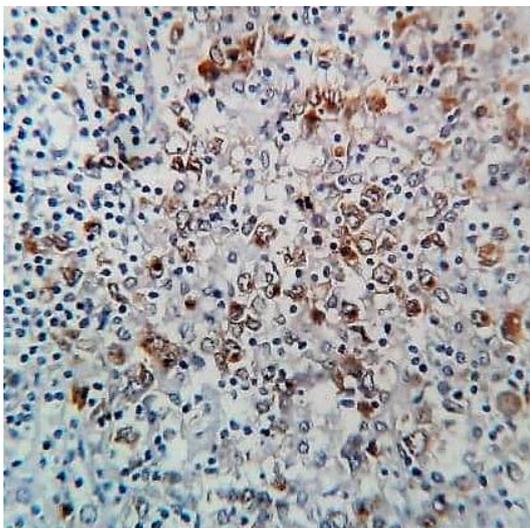
**Microwave method**

**CD 30 IHC stain**

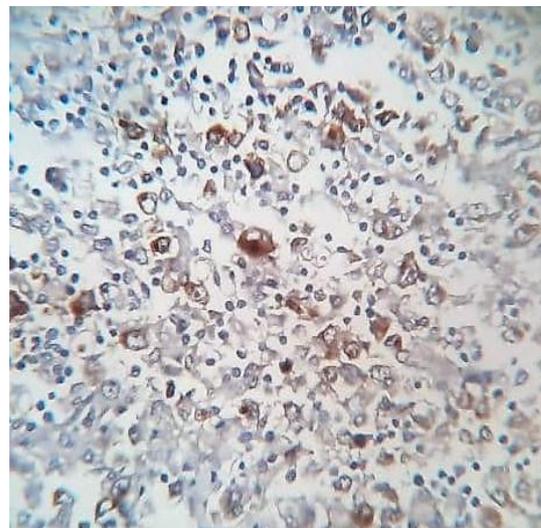
Case number: 237

HP Number: 1137/19

Diagnosis: Hodgkin Lymphoma



**Routine method**



**Microwave method**