

# BSG/TSL GI workshops 2016

EQA011 final response analysis with  
diagnoses

GI Neoplasia case 1

Female 68 years

Oesophagus Tumour T2N0 pre-op staging : No chemotherapy

### CONSULTANTS

Adenoid cystic carcinoma (pT1)	4
Adenocarcinoma (pT1b, pT1bN1)	3
Basaloid squamous cell carcinoma	2
Basaloid carcinoma (pT1)	1

### RESIDENTS

Basaloid squamous cell carcinoma	10
Adenoid cystic carcinoma (pT2, pT1)	6
Adenocarcinoma (with Barrett's)	3
Squamous cell carcinoma	1
Basaloid carcinoma	1
Adenosquamous carcinoma	1

**DIAGNOSIS: BASALOID ADENOSQUAMOUS CARCINOMA  
WITH ASSOCIATED IN-SITU CARCINOMA (pT1pN0pMx, V0,  
R0)**

GI Neoplasia case 2

Male 62 years

Oesophagus tumour. Oesophagectomy- extensively dilated up to 6.5 cm with a polypoid tumour

**CONSULTANTS**

Squamous cell carcinoma (well, moderately differentiated,pT2, pT3) 9

Sarcomatoid carcinoma 1

**RESIDENTS**

Squamous cell carcinoma ( well diff, mod diff)(pT3) 21

Verrucous SCC 1

**DIAGNOSIS: WELL DIFFERENTIATED SQUAMOUS CELL  
CARCINOMA IN ACHALASIA (pT3,pN1,pM1b. V0,R0)**

GI Neoplasia case 3

Female 76 years

Large semi-pedunculated tumour removed endoscopically from the lower oesophagus ? sarcoma

## CONSULTANTS

Sarcomatoid carcinoma	2
Kaposi sarcoma	1
Glomus tumour	1
Squamous cell carcinoma (poorly differentiated)	1
Rhabdomyosarcoma	1
Solitary fibrous tumour	1
Haemangiopericytoma	1
Adenocarcinoma (poorly differentiated)	1
Liposarcoma (poorly differentiated)	1

## RESIDENTS

Malignant fibrous histiocytoma	5
Malignant spindle cell tumour (GIST, Leiomyosarcoma, Pleomorphic sarcoma)	5
Sarcomatoid carcinoma	4
Adenocarcinoma (poorly differentiated)	2
HGIEN	1
Angiosarcoma	1
Fibrosarcoma	1
GIST (epithelioid, malignant)	1
Signet ring carcinoma	1
Squamous cel carcinoma (poorly differentiated)	1

**DIAGNOSIS: CARCINOSARCOMA**

GI Neoplasia case 4

Female 70 years

Large cystic fundic polyp

### CONSULTANTS

Hyperplastic polyp

3

Juvenile polyp

2

Fundic gland polyp (with low, high grade dysplasia - ? Syndrome)

2

No answer

1

Adenomatous polyp (with moderate dysplasia)

1

Adenocarcinoma (papillary, well differentiated)

1

### RESIDENTS

Adenomatous polyp (Tubulovillous, Tubular, villoglandular, intestinal type)

7

Inflammatory polyp

5

Hyperplastic polyp

4

Fundic gland polyp

3

Polyp with early malignancy

1

Gastritis cystica polyposis

1

Juvenile polyp

1

**DIAGNOSIS: CYSTIC FUNDIC GLAND POLYP WITH LOW-GRADE and FOCAL HIGH-GRADE DYSPLASIA (PATIENT WITH FAP)**

GI Neoplasia case 5

Male 65 years

Liver metastasis. Ischaemic bowel with perforation. Small bowel resection

### CONSULTANTS

Large cell neuroendocrine carcinoma (pT3)	4
Neuroendocrine tumour (carcinoid)	4
Invasive adenocarcinoma, carcinoid variant	1
Adenocarcinoma (metastatic)	1

### RESIDENTS

Lymphoma	5
Metastatic cancer/adenocarcinoma	5
Neuroendocrine neoplasia/tumour	4
Carcinoid tumour	3
Adenocarcinoma (poorly differentiated)	2
Small cell carcinoma	2
Neuroendocrine carcinoma	1

**DIAGNOSIS: (WHO grade III) NEUROENDOCRINE  
CARCINOMA (pT4,pN1,pM1. V1,R0)**

GI Neoplasia case 6

Male 50 years

Sigmoid polyp 6 mm

### **CONSULTANTS**

Hyperplastic polyp (microvesicular type)	3
Serrated adenoma/polyp, sessile serrated polyp	3
Tubular, Tubulovillous adenoma (low grade, high grade dysplasia)	2
Invasive adenocarcinoma, carcinoid variant	1
Adenocarcinoma (mucinous)	1

### **RESIDENTS**

Hyperplastic polyp (with mild dysplasia)	8
Inflammatory polyp	6
Serrated adenomatous polyp/sessile serrated polyp/serrated villous adenoma	4
Adenomatous polyp	2
Adenocarcinoma	1
Tubulovillous adenoma	1

**DIAGNOSIS: HYPERPLASTIC POLYP**

## GI Neoplasia case 7

Female 60 years

Previous Hartman's and right hemi-colectomy for colonic carcinoma, 9 years prior. Presently two separate lesions in the descending colon

### CONSULTANTS

Signet ring cell carcinoma (poorly diff. Adenocarcinoma, pT3)	3
Mixed signet ring carcinoma pT3 and mod diff. adenocarcinoma pT1	1
Signet ring cell carcinoma and medullary carcinoma (pT2)	1
Mucinous carcinoma with mod. Diff. Adenocarcinoma	1
Moderately differentiated adenocarcinoma	1
Mucinous carcinoma	1
Clear cell carcinoma	1
Harmatomatous polyp	1

### RESIDENTS

Adenocarcinoma (+mucinous carcinoma, mod diff, with poorly diff) (pT2, pT3)	16
Signet ring cell (adeno) carcinoma (pT2)	3
Malignant melanoma	2
Carcinoid tumour	1

**DIAGNOSIS: TWO TUMOURS – WELL DIFFERENTIATED and POORLY DIFFERENTIATED ADENOCARCINOMA (PATIENT WITH HNPCC - 2 other cancers diagnosed 19 and 9 years prior to this)**



GI Neoplasia case 8

Male 70 years

U. C. not settling on medical management. Previous bad appendicitis

**CONSULTANTS**

Tubular adenoma (with HGD)	2
No answer	2
Inflammatory pseudopolyp	1
Pedunculated villous adenomatous polyp with high grade dysplasia	1
Tubular adenomatous polyp with LGD on background UC	1
Villous adenoma with LGD	1
UC with severe dysplasia and carcinoid carcinoma	1
Hyperplastic polyp with moderate dysplasia	1

**RESIDENTS**

Adenomatous polyp (Tubulovillous, villous, Tubular, LGD, HGD)	14
Inflammatory polyp (with UC)	2
Adenocarcinoma (villo-glandular)	2
Lymphoma	2
Juvenile polyp	1
Crohn's disease	1

**DIAGNOSIS: DYSPLASIA ASSOCIATED LESIONAL MASS (DALM)**

Female 49 years

Bony metastasis - Unknown primary. Perforated colonic mass in pelvis involving upper rectum, sigmoid/transverse colon. Extended left hemicolectomy . Clinical Diagnosis : ? stercoral / diverticular perforation

**CONSULTANTS**

Malignant lymphoid tumour (probably MALTOMA)	1
Plasmacytoma	1
Stercoral colitis	1
No answer	1
Signet ring cell carcinoma (pT3)	1
Non-Hodgkin's lymphoma (IHC required)	1
Diverticulitis with perforation	1
Neuroendocrine tumour	1
Mucinous carcinoma	1
Adenocarcinoma (poorly differentiated)	1

**RESIDENTS**

No answer	8
Adenocarcinoma (signet ring cell)	5
Metastatic carcinoma/signet ring cell carcinoma	2
Leiomyosarcoma	1
Pseudomyxoma peritonei	1
Granular cell tumour	1
Small cell carcinoma	1
chronic non-specific ulcerative necrotising inflammatory lesion	1
Intestinal neuronal dysplasia	1
Plasmacytoma	1
Metastatic Osteosarcoma	1

**DIAGNOSIS: METASTATIC CARICINOMA (FROM LOBULAR, BREAST)**

GI Neoplasia case 10

Male 78 years

Lower 1/3 polyp . Lower anterior resection. Inflamed/scarred anteriorly. ? margins involved

**CONSULTANTS**

Adenocarcinoma (well differentiated, arising in TVA/TA, pT3, pT4 Dukes B2) 7

Papillary carcinoma 1

Adenomatous polyp with HGD and invasive component (pT2, pT3) 1

Peutz Jeghers polyp 1

**RESIDENTS**

Adenocarcinoma (Papillary, villous, serrated, background adenoma)(pT4, pT3, pT2) 22

**DIAGNOSIS:SYNCHRONOUS RECTAL (moderately differentiated)  
and PROSTATIC (Gleason 4+5) ADENOCARCINOMA**

GI Neoplasia case 11

Female 55 years  
Sigmoid colon tumour

### **CONSULTANTS**

Adenocarcinoma (mod diff, pT2, pT3, Dukes' B2)

9

Basosquamous carcinoma

1

### **RESIDENTS**

Adenocarcinoma (cribriform comedo variant, mod diff)(pT2, pT3)

20

Moderately

1

Granular cell tumour

1

**DIAGNOSIS: COLONIC ADENOCARCINOMA WITH ENDOMETRIOSIS**

32

GI Neoplasia case 12

Male 65 years  
Oesophageal Nodule at 31 cm

**CONSULTANTS**

Adenocarcinoma (mod diff pT2, pT3)	3
Leiomyoma	2
Granular cell myoblastoma	2
No answer	2
Ganglioneuroma	1

**RESIDENTS**

Granular cell tumour	12
Leiomyoma	6
GANT	1
Ganglioneuroma	1
Inflammatory	1
No answer	1

**DIAGNOSIS: GRANULAR CELL TUMOUR**

GI Neoplasia case 13

Male 45 years

Giant florid Perianal warts. Urgent histology please. These warts are growing fast enough to be malignant.

**CONSULTANTS**

Condyloma accuminatum (with AIN 3)	6
Squamous cell papilloma	1
Inverted papilloma	1
AIN 3	1
Verrucae with areas of severe dysplasia	1

**RESIDENTS**

Condyloma acuminatum (with ulceration)	7
No answer	5
Squamous papilloma	2
Squamous cell carcinoma (mod diff)	2
Verrucae (vulgaris, negative for dysplasia)	2
Carcinoma in-situ (Bowen's disease)	1
Microinvasive carcinoma	1
AIN 3	1
Squamous papilloma (with dysplasia)	1

**DIAGNOSIS: Buschke-Lowenstein tumour**

GI Neoplasia case 14

Male 85 years  
Right hemicolectomy for caecal cancer

**CONSULTANTS**

Adenocarcinoma (moderately, poorly diff, pT2)	4
Medullary (adeno) carcinoma	3
Lymphoepithelioma like carcinoma	1
Non-Hodgkin's Lymphoma	1
MALToma	1

**RESIDENTS**

Adenocarcinoma (poorly diff,)(pT3)	5
No answer	5
Non-Hodgkin's lymphoma/malignant lymphoma (with lymphoplasmacytic differentiation)	3
MALToma	2
Medullary (adeno) carcinoma	2
Leiomyosarcoma	2
High grade neuroendocrine tumour	1
Carcinoid tumour	1
Squamous cell carcinoma (poorly diff)	1

**DIAGNOSIS: Poorly differentiated colonic carcinoma with high tumour infiltrating lymphocyte count – marker of MMR-deficiency**

GI Soft tissue case 1

Male 55 years

Oesophageal polyp from cricopharyngeum to GOJ. Smooth surface.

### CONSULTANTS

Fibrolipoma	3
Lipoma	3
No answer	2
Liposarcoma (well diff)	1
ATLT	1

### RESIDENTS

Lipoma	13
Fibrolipoma	5
Liposarcoma (pleomorphic)	2
Atypical lipoma	1
Fibrovascular polyp	1

**DIAGNOSIS: GIANT FIBROLIPOMA (diagnosis of well differentiated liposarcoma based on MDM2 positivity on immunohistochemistry)**



GI Soft tissue case 2

Male 35 years

Nodule at 35cm distal oesophagus

### **CONSULTANTS**

Granular cell tumour

3

No answer

2

Granular cell tumour coexisting with SCC

1

Leiomyoma (benign mesenchymal tumour

1

SCC

1

Organising oesophagitis

1

Dermatofibroma

1

### **RESIDENTS**

Granular cel tumour

6

Giant muscular hypertrophy

5

Leiomyoma

3

Squamous cell carcinoma

2

Lipoma

2

Leiomyosarcoma

1

Pleomorphic sarcoma

1

Oesophagitis

1

Squamous papilloma

1

**DIAGNOSIS: GRANULAR CELL TUMOUR with pseudo-epitheliomatous hyperplasia.**

GI Soft tissue case 3

Male 55 years

Resection of oesophageal stricture

### **CONSULTANTS**

Haemangioma

2

No answer

2

Myxoma

1

Leiomyosarcoma (myxoid)

1

Carcinosarcoma/sarcomatoid carcinoma

1

GIST (IHC required)

1

Benign fibrovascular polyp

1

Angiomyofibroma

1

### **RESIDENTS**

GIST (malignant)

6

Leiomyoma

3

Pleomorphic sarcoma/Malignant spindle cell tumour

3

Cavernous haemangioma

3

Alveolar soft part sarcoma

2

GIST

2

Leiomyosarcoma

1

Desmoid tumour

1

Oesophageal

1

Granulomatous tissue with muscular hypertrophy

1

Fibromatosis

1

No answer

1

**DIAGNOSIS: EPITHELIOID HAEMANGIOENDOTHELIOMA**

GI Soft tissue case 4

Female 74 years

Gastric polyp ?hyperplastic

### **CONSULTANTS**

No answer

3

Inflammatory fibroid polyp

2

Angiolymphoid hyperplasia with eosinophilia

1

Fundic polyp

1

Hyperplastic polyp with LGD

1

Kaposi sarcoma

1

Eosinophilic oesophagitis (probably parasitic)

1

### **RESIDENTS**

Leiomyoma

5

Inflammatory pseudotumour/inflammatory fibroid polyp/proliferative fasciitis

4

Hyperplastic polyp

3

HP associated severe chronic gastritis with IM and dysplasia

2

Liposarcoma

2

Kaposi sarcoma

2

Inflammatory polyp (submucous)

2

Juvenile polyp

1

Brunner gland hyperplasia/harmatoma

1

**DIAGNOSIS: INFLAMMATORY FIBROID POLYP**

GI Soft tissue case 5

Female 59 years

Excision of GIST from the stomach - 5cm

### CONSULTANTS

GIST (epithelioid - signet ring cell type)(intermediate risk)

6

No answer

2

Schwannoma (cuff of lymphoid aggregates present IHC)

1

Leiomyoma

1

### RESIDENTS

GIST (Miettinen group 5, intermediate risk)

20

Leiomyoma

2

**DIAGNOSIS: SCHWANNOMA (typical rim of lymphoid aggregates)**

32

GI Soft tissue case 6

Female 73 years

Total gastrectomy, 20cm lobulated lesion in the wall of the stomach

### CONSULTANTS

GIST (epithelioid)(high risk)(malignant)	3
No answer	2
Solitary fibrous tumour	1
Adenocarcinoma (difuse Infiltrating)	1
Epithelioid haemangioendothelioma	1
Schwannoma	1
Liposarcoma (well diff)	1

### RESIDENTS

GIST (epithelioid)	9
No answer	5
Liposarcoma (de-differentiated, well differentiated)	3
GIST (malignant, high risk)	2
Leiomyoma	2
Sarcoma	1

**DIAGNOSIS: GASTRO-INTESTINAL STROMAL TUMOUR**

GI Soft tissue case 7

Male 44 years

History of neurofibromatosis. 6cm mass in small bowel - resected.

### CONSULTANTS

Malignant peripheral nerve sheath tumour	3
No answer	2
GIST (neural type)	2
Leiomyoma	1
Neurofibroma	1
Schwannoma (S100 to confirm)	1

### RESIDENTS

Neurofibroma (plexiform type)	6
Schwannoma (cellular)	4
Malignant peripheral nerve sheath tumour/Malignant spindle cell tumour	3
GIST (benign)	3
Liposarcoma	2
Leiomyoma	2
Kaposi sarcoma	1
Lymphoma coexisting with MPNST	1

**DIAGNOSIS: GASTRO-INTESTINAL STROMAL TUMOUR**

GI Soft tissue case 8

Male 48 years

Sessile polyp in colon.

### **CONSULTANTS**

GIST (malignant)

3

No answer

2

Leiomyoma (location in muscle layer - check for other masses)

2

Benign mesenchymal neoplasm

1

Myoepithelioma

1

Leiomyosarcoma (poorly diff)

1

### **RESIDENTS**

Leiomyoma (cellular, atypical, mitotically active)

10

GIST

3

GIST (malignant)(epithelioid)

2

Malignant spindle cell tumour/histiocytic sarcoma

2

Leiomyosarcoma

2

Carcinosarcoma

1

Benign mesenchymal neoplasm

1

Inflammatory pseudotumour

1

**DIAGNOSIS: LEIOMYOSARCOMA**

GI Soft tissue case 9

Male 78 years

Colon cancer - large nodule from mesentery

## CONSULTANTS

No answer

3

GIST (Ex-epithelioid, IHC)(high risk)

2

PECOMA

1

Kaposi sarcoma

1

Neuroendocrine tumour

1

Metastatic mesenchymal neoplasm

1

Liposarcoma (poorly diff)

1

## RESIDENTS

Carcinoid/neuroendocrine tumour

6

Malignant vascular tumour/angiosarcoma

3

Inflammatory fibroid polyp

2

GIST (malignant)(metastatic)

2

Neuroendocrine carcinoma

2

Metastatic carcinoma

1

Metaplastic carcinoma

1

Haemangiopericytoma

1

GIST

1

No answer

1

Lymph node metastatic adenocarcinoma

1

PEComa (perivascular epithelioid cell tumour)

1

**DIAGNOSIS: PARAGANGLIOMA**

32



GI Soft tissue case 10

Male 91 years

Anorectal polyp - ?benign/malignant

## CONSULTANTS

No answer

2

Squamous cell carcinoma

1

Stercoral proctitis

1

Intraepithelial

1

Benign ancient change

1

Perineurioma

1

Malignant melanoma

1

Angiosarcoma

1

Adenocarcinoma (poorly diff)

1

## RESIDENTS

Squamous cell carcinoma (mod diff, poorly diff)

8

Adenocarcinoma (mod diff, poorly diff, malignant polyp)

4

Melanosis coli

2

MPNST (low grade)

2

Malignant

1

GIST

1

No answer

1

than do my I sarcoma

1

Proctors

1

Gangliocytic paraganglioma

1

**DIAGNOSIS: MALIGNANT MELANOMA**

GI Soft tissue case 11

Female 34 years  
Retrorectal tumour

### **CONSULTANTS**

Ganglioneuroblastoma	2
Ganglioneuroma	2
No answer	2
GANT	1
Neurofibroma	1
Angiomyolipoma	1
Myoma	1

### **RESIDENTS**

Benign neural tumour/Neurofibroma/Neurofibromatosis	7
Fibromatosis/Fibroma	4
Ganglioneuroma	4
Leiomyoma	2
Rhabdomyosarcoma	1
Inflammatory myofibroblastic tumour	1
Schistosomiasis	1
Myxoma	1
Solitary fibrous tumour	1

**DIAGNOSIS: GANGLIONEUROMA**

GI Soft tissue case 12

Female 66 years  
Retrorectal tumour

### CONSULTANTS

Rhabdomyosarcoma (poorly differentiated, pleomorphic)	5
No answer	3
AT/RT	1
Pleomorphic sarcoma	1

### RESIDENTS

Squamous cell carcinoma (poorly diff.)	5
Carcinoma (poorly differentiated)	2
No answer	2
Liposarcoma (dedifferentiated with heterologous rhabdomyosarcoma)	2
Lipoma	2
Inflammatory myofibroblastic tumour	1
Leiomyosarcoma	1
Alveolar soft part sarcoma	1
Malignant Peripheral Nerve Sheath Tumour	1
Epithelioid sarcoma	1
Metaplastic carcinoma	1
Oncocytic carcinoma	1
Rhabdomyosarcoma (pleomorphic)	1
Malignant lymphoma	1

**DIAGNOSIS: SARCOMATOID/DE-DIFFERENTIATED CHORDOMA**

## PARTICIPANTS

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