



18TH ICRO PG TEACHING PROGRAM

27TH & 28TH SEPTEMBER 2014

RCC, Trivandrum
QUIZ

Question No 1

Most accurate investigation for loco regional staging of oesophageal cancer is

- a) CT Scan
- b) OGD Scopy
- c) EUS
- d) MRI Scan

Question No 2

AJCC suggests minimum number of nodes to be harvested during oesophageal surgery for accurate staging as

- a) 7
- b) 18
- c) 23
- d) 30

Question No 3

Commonest cause of mortality in Ivor Lewis operation is

- a) Pulmonary Atelectasis
- b) Anastomotic leak
- c) Thoracic duct injury
- d) Subdiaphragmatic collection

Question No 4

Overall survival is increased by what percentage in MAGIC trial

- a) 3 %
- b) 10 %
- c) 7 %
- d) 13 %

Question No 5

Gebski metanalysis has shown survival advantage in neoadjuvant chemotherapy to the tune of

- a) 3 %
- b) 5 %
- c) 7 %
- d) 10 %

Question No 6

ToGA Trial tested

- a) Chemotherapy
- b) Radiation
- c) Cetuximab
- d) Transtuzumab

Question No 7

What is the incidence of supraclavicular LN in M/3 Ca Oesophagus

- a) 2 %
- b) 4 %
- c) 6 %
- d) 10 %

Question No 8

In intraluminal BT, doses are specified from

- a) 0.5 cm from surface of applicator
- b) 1 cm from the mid source / mid dwell position
- c) 0.5 cm from the mid source / mid dwell position
- d) 1 cm from surface of applicator

Question No 9

Patients with Barrett's Oesophagus are at high risk for Oesophageal adenocarcinoma with annual rate of neoplastic transformation of

- a) 5 %
- b) 3 %
- c) 0.5 %
- d) 2.5 %

Question No 10

The GTV to CTV margin → longitudinal and radial in CROSS trial for carcinoma esophagus

- a) 3 to 5 cm and 2cm
- b) 4 to 5 cm and 1 cm
- c) 4 to 5 cm and 1 cm
- d) 3 to 5 cm and 1 cm

Question No 11

For lymph nodes → GTV to CTV for carcinoma esophagus

- a) 1 to 1.5 cm
- b) 0.5 to 1 cm
- c) 0.5 cm
- d) 1cm

Question No 12

All the following statements about postoperative radiotherapy is true EXCEPT

- a) Margins of 5 cm above and below the presurgical gross tumour volume
- b) 2-cm margin to cover the mediastinal lymph nodes medially and laterally
- c) Superior margin extended at least 2 cm above the anastomotic site
- d) Boost fields minimum 2 cm margins around the surgical bed

Question No 13

Treatment failure isolated outfield recurrence rate of lymph nodes without tumor progression and distant metastasis was

- a) 10 %
- b) 8 %
- c) 15 %
- d) 5 %

Question No 14

Prognostic factor for adenocarcinoma gastroesophageal junctions includes

- a) Siewert's type post-operative residual disease
- b) Siewert's type and TNM status
- c) TNM status and post-operative residual disease
- d) Siewert's type, post-operative residual disease and TNM status

Question No 15

Siewert's typing is helpful in the case of

- a) Planning surgical management
- b) Prognosis
- c) Planning adjuvant treatment
- d) Planning preoperative radiotherapy

Question No 16

Adenocarcinoma of which site is commonly associated with Barrett's oesophagus

- a) Siewert's type 1
- b) Siewert's type 2
- c) Siewert's type 3
- d) Siewert's type 4

Question No 17

Which is the most accurate investigation for evaluating locoregional disease in adenocarcinoma gastroesophageal junction

- a) Endoscopic ultrasound
- b) CT Scan
- c) PET-CT Scan
- d) Laproscopy

Question No 18

Gold standard for radical surgery for stomach cancer is

- a) D1
- b) D2
- c) D3
- d) D4

Question No 19

Main imaging modality for staging stomach cancer is

- a) USS
- b) EUS
- c) CECT
- d) PET scan

Question No 20

Number of lymphnodes – goal of examination by pathalogist should include at least

- a) 10 nodes
- b) 12 nodes
- c) 15 nodes
- d) 18 nodes

Question No 21

TNM staging of Stomach cancer- which one is correct

- a) N1- Metastasis in 1 regional lymph node
- b) N2- Metastasis in 2-6 regional lymph nodes
- c) N3- Metastasis in 7 or more regional lymph nodes
- d) N3a- Metastasis in 7-15 regional lymph nodes

Question No 22

Tumor invasion of Muscularis Propria in gastric cancers is Staged as

- a) T_{1a}
- b) T_{1b}
- c) T₂
- d) T₃

Question No 23

Study stating non-inferiority of EOX regime is

- a) CALGB 80101
- b) MAGIC
- c) Dutch CRITICS
- d) REAL - 2



Question No 24

No of courses of 5FU+Leucovorine in INT-0166 are

- a) 3
- b) 4
- c) 5
- d) 6

Question No 25

Adjuvant treatment for adenocarcinoma stomach is not recommended for

- a) p T₁N₁M₀
- b) p T₂N₀M₀
- c) p T₃N₂M₀
- d) p T₃N₀M₀

Question No 26

The nodes anterior to gastric body are called

- a) para cardiac lymph nodes
- b) gastric nodes
- c) pre pyloric nodes
- d) devoid of any nodal tissue

Question No 27

Lymph nodes posterior to greater curvature are

- a) Lower esophageal nodes
- b) Splenic hilar nodes
- c) Superior pyloric nodes
- d) mediastinal nodes

Question No28

Which of the following lymph node group are NOT LIKELY to be present after a total gastrectomy

- a) para cardiac nodes
- b) Greater curvature nodes
- c) lesser curvature nodes
- d) all of the above



Question No 29

Ideal no of lymph nodes to be harvested in colorectal cancer

- a) 7
- b) 12
- c) 8
- d) 10

Question No 30

Lymph node metastasis at IMA root is

- a) N_1
- b) M_1
- c) N_2
- d) T_4

Question No 31

Correct statement is..

- a) TME should be done for all the rectal cancers only
- b) TME should be done for distal rectal cancers only
- c) TME is recommended for mid & distal rectal cancers
- d) None of the above

Question No 32

TME is associated with

- a) Autonomic nerve disruption
- b) Lower rate of local recurrence
- c) Higher rate of rectal wall perforation
- d) Higher rate of bleeding

Question No 33

Chemotherapy increases survival in metastatic colorectal cancer

- a) < 6 months
- b) < 12 months
- c) < 18 months
- d) < 24 month

Question No 34

Which agent is not used in adjuvant setting of colorectal malignancies

- a) Oxaliplatin
- b) Bevacizumab
- c) 5 FU
- d) Leucovorine

Question No 35

Which of the following methods of DNA repair is characteristic of double stranded DSSB

- a) EBR
- b) MR
- c) HR
- d) All of the above

Question No 36

One of the following is an example of non receptor tyrosine kinase

- a) EGFR
- b) PDGFR
- c) FGFR
- d) JKR

Question No 37

Which of the following is an ATP mimic

- a) Imatinib
- b) HHT
- c) Ara C
- d) Hydroxyurea

Question No 38

Which of the following is an example of PARP inhibitor

- a) Rhomidipsin
- b) Sorafinib
- c) Olaparib
- d) Ponatinib

Question No 39

Targeted agent approved in the adjuvant treatment of CRC

- a) Cetuximab
- b) Bevacizumab
- c) Panitumumab
- d) None of the above

Question No 40

KRAS testing should be done before using

- a) Bevacizumab
- b) Paninumumab
- c) Regorafenib
- d) Afibercept



Question No 41

Hypertension is a side effect for which of the following drug

- a) Cetuximab
- b) Bevacizumab
- c) Panitumumab
- d) Regorafenib

Question No 42

Dose of panitumumab is

- a) 6mg/kg q 2weeks
- b) 6mg/kg q 3weeks
- c) 8mg/kg q 3weeks
- d) 6mg/kg q 2weeks

Question No 43

Neoadjuvant chemoradiation in locally advanced rectal cancers

- a) Improves overall survival alone
- b) Improves local control alone
- c) Improves local control and overall survival
- d) Neither improves local control or survival

Question No 44

For low lying locally advanced local cancers investigation of choice for T staging

- a) CT Scan Pelvis
- b) MRI Pelvis
- c) USG Pelvis
- d) TRUS

Question No 45

For CRM +ve rectal cancers the radiotherapy plan would be

- a) RT alone 5X5 Gy followed by surgery next week
- b) RT alone 50 Gy/25 # followed by surgery after 6 weeks
- c) Concurrent chemoradiation 50 Gy/25 # followed by surgery after 6 weeks
- d) Chemotherapy (4#) followed by surgery after 6 weeks

Question No 46

Combining multidrug regime with CapOx to neo-adjuvant RT results in

- a) Better loco-regional control
- b) Better overall survival
- c) Better tumor downstaging
- d) Increased acute toxicity

Question No 47

Preoperative chemoradiation compared to post-operative chemoradiation has

- a) Increased acute toxicities
- b) Decreased acute toxicities
- c) Decreased late toxicities
- d) No difference in toxicities

Question No 48

External iliac lymph node is included in the target volume in all the situations except

- a) Tumor extends to prostate and seminal vesicle
- b) Mid rectal tumors
- c) Tumour involves vagina
- d) Tumour involves anal canal

Question No 49

Lateral limit of target volume in conventional technique is

- a) 2 cm lateral to medial pelvic brim
- b) 1.5 cms lateral to medial pelvic brim
- c) Just lateral to medial pelvic brim
- d) Medial to pelvic brim

Question No 50

RTOG CTV A includes all except

- a) rectum and mesorectum
- b) internal iliac node
- c) presacral area
- d) external iliac node



Commonly used conduit after oesophageal resection is**

- a) Stomach
- b) Colon
- c) Jejunum
- d) Skin tubes

In Mc Keown Oesophagectomy the anastomosis is made**

- a) Intrathoracic above the carina
- b) Intrathoracic below the carina
- c) Subdiaphragmatic
- d) In the neck

Question No 1

MAGIC Trial is used in which setting**

- a) Preop chemoradiation in squamous
- b) Preop chemoradiation in adeno
- c) Preop chemo in squamous
- d) Preop chemo in adeno



Japanese trial which compared adjuvant chemotherapy and preoperative chemotherapy***

- a) JCOG 9204
- b) JCOG 9907
- c) JCOG 9314
- d) JCOG 9124



In the RTOG 85-01 trial the local failure at 2 year after CRT alone in Ca Oesophagus was**

- a) 35 %
- b) 47 %
- 60 %
- c) 25 %



Which of the following are not associated with an increased risk of oesophageal and GEJ Cancer**

- a) Bloom's Syndrome
- b) Fanconi Anemia
- c) Howel – Evan's Syndrome
- d) Non of the above

Siewert classifies gastroesophageal junction tumors into***

- a) 4 types
- b) 5 types
- c) 2 types
- d) 3 types

Station 7 of lymphnode stations for stomach cancer is**

- a) Left gastric
- b) Left gastro-epiploic
- c) Coeliac
- d) Hepatic artery



Which one is not a part of combination of the drug S₁ **

- a) Tegafur
- b) Gimeracil
- c) Oteracil
- d) Olaparib



Carcinoma stomach is one of the commonest tumors seen as per national cancer registry in which state*

- a) Delhi
- b) Barshi
- c) Chennai
- d) Kolkata

**Lymph node groups included in target volume for post-op
RT of subtotal gastrectomy includes all except****

- a) Celiac axis group of lymph nodes
- b) Splenic hilar group
- c) Left Renal Hilar
- d) Peripyloric group



The information needed for volume delineation in gastric cancers **

- a) Endoscopic ultrasound/radiologic imaging
- b) Complete surgical notes and histopathology
- c) All of the above
- d) None of the above



Lymph node ratio refers to**

- a) Proportion of lymph nodes in colorectal region out of total lymph nodes in the abdomen
- b) Proportion of negative nodes compared to total no of lymph nodes in region
- c) Proportion of positive nodes out of lymph nodes harvested
- d) None of the above



Example of TKI are all the following except**

- a) Imabtinib
- b) Nilotinib
- c) Dasatinib
- d) HHT



Aflibercept is approved in which line of mCRC**

- a) 1st line
- b) 2nd line
- c) 3rd line
- d) Can be used in all three lines